



UNIVERSITY OF DUBLIN

Trinity College  
Calendar Part 2

*Graduate Studies and Higher Degrees*

2012/2013

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 2012/2013*.

Where the *Consolidated Statutes 1966* are amended or repealed, then references in this *Calendar* to the provisions of the *1966 Statutes* shall be construed as references to the relevant amendments or replacements, as the case may be.

#### **DEAN OF GRADUATE STUDIES**

Professor Veronica Campbell, B.Sc. (Edin), Ph.D. (Lond), F.T.C.D. (2004)

#### **STAFF OF THE GRADUATE STUDIES OFFICE**

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Helen Thornbury, B.A. (D.C.U.), M.A. (N.U.I.)

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The Graduate Studies Office is open:

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Afternoons: 2 p.m. - 4 p.m.

The Graduate Studies Office maintains a web site:

[http://www.tcd.ie/Graduate\\_Studies/](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 (Chairperson) - Prof. Veronica Campbell  
The Associate Dean of Research – Prof. Vinny Cahill

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

School of Biochemistry and Immunology – Prof. Derek Nolan  
School of Business – Prof. Martin Fellenz  
School of Chemistry – Prof. Isabel Rozas  
School of Computer Science and Statistics – Prof. Simon Wilson  
School of Dental Science – Prof. Ebrahim Al-Awadhi  
School of Drama, Film and Music – Prof. Melissa Sihra  
School of Education – Prof. Conor McGuckin  
School of Engineering – Prof. Henry Rice  
School of English – Prof. Sam Slote  
School of Genetics and Microbiology – Prof. Timothy Foster  
School of Histories and Humanities – Prof. Martine Cuypers  
School of Languages, Literatures and Cultural Studies – Prof. Jürgen Uhlich  
School of Law – Prof. Neville Cox  
School of Linguistic, Speech and Communication Sciences – Prof. Christer Gobl  
School of Mathematics – Prof. John Stalker  
School of Medicine – Prof. John Gormley  
School of Natural Sciences – Prof. Anna Davies  
School of Nursing and Midwifery – Prof. Anne-Marie Brady  
School of Pharmacy and Pharmaceutical Sciences – Prof. Lidia Tajber  
School of Physics – Prof. Mauro Ferreira  
School of Psychology – Prof. Kevin Tierney  
School of Religions, Theology and Ecumenics – Prof. Gillian Wylie  
School of Social Sciences and Philosophy – Prof. Tim Hicks  
School of Social Work and Social Policy – Prof. Stephanie Holt

### *Representatives of the Graduate Students' Union*

The President of the Graduate Students' Union – Mr Martin McAndrew  
The Vice-President of the Graduate Students' Union – Mr Andrew McEwan

## IN ATTENDANCE

### *Ex Officio*

Keeper of Readers' Services – Mr Trevor Peare  
Information System Services Representative – Ms Lee Mills  
CAPSL Representative – Ms Alexandra Anderson

Administrative Officer Graduate Studies Office – Ms Jennifer Hill (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 1*

## 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 joining 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.

## II. LIST OF HIGHER DEGREE AND GRADUATE COURSES (ALPHABETICAL)

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\* Direct entry is possible to this postgraduate diploma course.

### III. IMPORTANT DATES

#### REGISTRATION

##### September

Registration for all Postgraduate Students	Online registration
Orientation Meeting for New Postgraduate Students	14 <sup>th</sup> September 2012

##### March

New Entrant Registration	Online registration
Continuing Registration	Online registration

**N.B.** Registration may proceed only when all outstanding fees and other charges have been paid and received by College and when invitation to register has been issued.

#### AWARDS (closing dates for application)

Postgraduate Research Studentships	1 <sup>st</sup> May 2013
Ussher Awards	1 <sup>st</sup> May 2013

#### TRAVEL GRANTS

Trinity Trust Travel Grants

For travel between:	Deadline for receipt of application:
15 <sup>th</sup> September - 14 <sup>th</sup> December	1 <sup>st</sup> September 2012
15 <sup>th</sup> December - 14 <sup>th</sup> March	1 <sup>st</sup> December 2012
15 <sup>th</sup> March - 14 <sup>th</sup> June	1 <sup>st</sup> March 2013
15 <sup>th</sup> June - 14 <sup>th</sup> September	1 <sup>st</sup> June 2013

## IV. TRINITY COLLEGE DUBLIN – ACADEMIC STRUCTURE 2012/2013

(Please note that the definitive academic structure appears in  
the *University of Dublin Calendar Part 1 2012/2013*)

### **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
  - Sociology
- 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:

(i) 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.

In November 2007, the University Senate approved a new degree award of Master in Science (Research) with a Latin title Magister in Scientiis (Indagatio) [M.Sc. (Ind.)] for implementation from 2007/08.

(ii) 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 subdivision.

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.

In November 2007, the University Senate approved a new degree award of Master in Science (Studies) with a Latin title Magister in Scientiis (Studia) [M.Sc. (St.)] for implementation from 2007/08.

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 10 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	List of Higher Degree Titles
Section 8	Postgraduate Awards and Travel Funds
Section 9	Postgraduate Degree and Diploma Courses Annual Fees
Section 10	Index

The regulations in Sections 1 and 8 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.

### 1.3 *Academic year and terms 2012-2013*

The academic year begins on 27<sup>th</sup> August 2012. It is divided into three terms, Michaelmas term (27<sup>th</sup> August – 14<sup>th</sup> December), Hilary term (14<sup>th</sup> January – 5<sup>th</sup> April), Trinity term (8<sup>th</sup> April – 28<sup>th</sup> June). The period in Michaelmas term and Hilary term 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
	88 – internet-based
Cambridge Certificate of Advanced English	Grade C
Cambridge Certificate of Proficiency in English	Grade C
Pearson Test of English	PTE Academic: a minimum score of 63 (with no section score below 59)

### 1.6 *Application*

Before entry to a research programme leading to a higher degree, application for registration as a graduate student must be made on line at [www.tcd.ie/courses](http://www.tcd.ie/courses)

Before entry to a taught course of study leading to a Masters degree or postgraduate or higher diploma, application for registration as a graduate student must be made on line at [www.tcd.ie/courses](http://www.tcd.ie/courses). 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 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.

Registration for graduate students will commence after 20<sup>th</sup> August 2012 for the academic year 2012-13. Graduate students admitted to the appropriate postgraduate register on 1<sup>st</sup> March are required to register from 1<sup>st</sup> March 2013 and, where continuing registration is required, should re-register by the same date annually.

A charge of €212 will be imposed for late registration (i.e. levied on students who fail to register during their allotted registration period). Students who do not register by 15<sup>th</sup> November 2012 will be deemed to be withdrawn and services such as library and e-mail accounts may be suspended. In such circumstances postgraduate students must apply to the Dean of Graduate Studies for re-admission and pay a replacement fee of €358 (€212 late registration fee and €146 re-admission fee).

In the case of graduate students admitted to the appropriate postgraduate register on 1<sup>st</sup> March, a charge of €212 will be imposed for late registration (i.e. levied on students who fail to register during their allotted registration period). Postgraduate students who do not register by 15<sup>th</sup> May 2013 will be deemed to be withdrawn and services such as library and e-mail accounts may be suspended. Postgraduate students must apply to the Dean of Graduate Studies for re-admission and pay a replacement fee of €358 (€212 late registration fee and €146 re-admission fee).

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.

### 1.9 *Registration for a second degree/postgraduate diploma/additional module(s)*

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 (or an additional module) will be of academic benefit to a graduate student's research 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 course (or make a case to the supervisor to be allowed to take up the additional module). 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 (or additional modules) 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 *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).

### 1.11 *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: <https://www.tcd.ie/research/dean/>

### 1.12 *Acceptance of Regulations*

During the registration process, all graduate students will confirm, among other things, that they have been provided with a link to the Board's general regulations for graduate students 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.

### 1.13 *Garda Vetting Policy*

Students on courses with clinical or other professional placements may be required to undergo Garda vetting procedures prior to commencing placements. If, as a result of the outcome of the Garda vetting procedures, a student is deemed unsuitable to attend clinical or other professional placement, he/she may be required to withdraw from his/her course. Students should also be aware, that given the duration of degree programmes, the University reserves the right, at its discretion, to require certain groups of students to undergo a further Garda Vetting process or alternatively to provide an enhanced disclosure by the completion of an affidavit during the course of their degree programme.

### 1.14 *Change of Address*

Registered graduate students must immediately inform the Student Records Office and inform their Director of Teaching and Learning (Postgraduate) of change of address, to 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 9. The College Calendar Part 1 must therefore be consulted for a definitive 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 he/she 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 September graduate students must pay the prescribed fee by 31<sup>st</sup> August, or within seven days of being notified of their acceptance on the register (if notified after 24<sup>th</sup> August). Students accepted on the register at 1<sup>st</sup> March 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 on or before 31<sup>st</sup> January 2013 (30<sup>th</sup> June 2013 for graduate students who register in March). Instalments received after the due date and before the end of February (end of July in the case of March registrants) will be subject to a late payment charge of €212. If the second instalment is not paid by the end of February 2013 (end of July 2013 in the case of March registrants) an additional late payment charge of €146 will be applied giving a total late payment charge of €358 which must be paid together with the balance of fees due.

#### 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 and/or 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/or 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. A re-admission request from the student to the Dean of Graduate Studies is required prior to re-registration if permission has been granted for medical reasons. Students who for reasons of ill-health, or other grave cause, have been allowed to go "off-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 resume their studies at the designated time 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 *Fitness to Study*

Where the Dean of Graduate Studies has serious concerns about a student's fitness to study, the Dean may require that student to undergo a medical examination or assessment for the purpose of obtaining an opinion as to the student's fitness to study.

#### 1.19 *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 two weeks before the expected date of birth and end not earlier than four 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 four 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 four 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 four weeks only. Students requiring more extended periods must apply to go "off-books" (see this Section Paragraph 1.17).

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 four 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.

#### 1.20 Coursework

Students may be required to perform coursework as part of the requirements of their course of study. The assessment of coursework may be based on essays, tests and assessments, attendance at practical classes and field trips, keeping and submitting practical books, carrying out of laboratory or field projects, and the satisfactory completion of professional placements. The Faculty, School or Department, as appropriate, publishes its requirements for satisfactory performance of coursework on Faculty or School noticeboards and/or in handbooks and/or other course materials.

#### 1.21 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.

#### 1.22 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, papers, notes, memoranda, mobile phones 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,

\*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.

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 1.25).

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

1. All graduate students have the right to discuss their examination, assessment and dissertation performance with the appropriate academic members of staff as arranged for by the Course Co-ordinator/Director.

2. Graduate students are entitled to view their scripts when discussing their 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 examination, assessment and dissertation results and having discussed these and their performance with the appropriate academic staff members, graduate students may request that their results be reconsidered, within four 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, assessment or dissertation.

6. In all three cases (a)-(c) above, the request will be made in the first instance to the Course Co-ordinator/Director, who will discuss the request with the relevant parties and attempt to find a resolution; In the case of (a) above, the decision of the Course Co-ordinator/Director is final.

7. In the case of (b) and (c) above, if the Course Co-ordinator/Director does not grant the request, the student may ask that the relevant School committee consider their request. In submitting such a case for reconsideration of results, graduate students must state under which of (b) and/or (c) the request is being made. If the student is dissatisfied with the way in which his/her request was handled, he/she may write to the Dean of Graduate Studies, clearly stating under which of (b) and/or (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. The decision of the Dean of Graduate Studies is final.

7. 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 and dissertations, but also any written information directly related to the completion and marking of any assessment exercise written or otherwise performed.

Examination scripts and other complete written assessment materials relating to work done in an earlier year that have 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.

### 1.24 *Appeals process for Graduate Students*

1.24.1 *General.* Every School will have a defined appeals process, with one or more appeals committees to hear student cases relating to decisions made at a School level. These include: i) appeals against the decision of a taught postgraduate course committee; and ii) appeals against the decision of a School research transfer/confirmation panel.

Appeals against the decision of the examiners of a research thesis will be made in the first instance to the Dean of Graduate Studies. Appeals against the decision of a School appeals committee will be made to the Dean of Graduate Studies.

Appeals by postgraduate students against the decision of the Dean of Graduate Studies will be made to the Academic Appeals Committee for Graduate Students (Taught) for taught graduate students or to the Academic Appeals Committee for Graduate Students (Research) for research graduate students - See Paragraph 1.24.7.

The Academic Appeals Committee for Graduate Students (Taught or Research) will refer its recommendation to the University Council for approval. If the Academic Appeals Committee for Graduate Students (Taught or Research) upholds a graduate student's appeal, then its recommendations must be fully implemented. Where the Academic Appeals Committee for Graduate Students (Taught or Research) cannot arrive at a decision, or where the graduate student is dissatisfied with the decision of the Committee, he/she may seek redress from the Visitor.

It should be noted that no appeals committee can overturn the examiners' academic verdict on the work as presented. Only changes of a procedural nature can be recommended. An appeal other than an *ad misericordiam* appeal cannot be made against the normal application of College academic regulations approved by the University Council.

**1.24.2 Representation.** The student is entitled to have representation appropriate to the formality of the appeal hearing – i.e., a supervisor, other appropriate academic staff member (who is not a relative), a Graduate Students' Union representative, or an advisor from the Postgraduate Advisory Service. When the Academic Appeals Committee for Graduate Students (Taught or Research) hears an appeal, the graduate student must attend and be accompanied by an appropriate representative to support the case.

**1.24.3 Conflict of Interest.** Conflicts of interest will be avoided throughout all stages of the Postgraduate Appeals process (i.e., no person from the relevant course committee or an examiner or supervisor should serve on the appeals committee; when the Dean of Graduate Studies is also the supervisor, examiner or lecturer, a pro-Dean will be appointed).

**1.24.4 Appealing the decision of a taught postgraduate course committee.** Where a graduate student has failed on the coursework component, and feels that there are mitigating circumstances, he/she may make a request, in writing, to the Course Co-ordinator/Director for permission to repeat the examination(s) and/or assessment(s). The reasons for the request must 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.

Where a graduate student has passed the coursework component but has failed on the assessment of the dissertation (including an oral examination), and is dissatisfied with the manner in which the dissertation was examined, he/she may make a request, in writing, to the Course Co-ordinator/Director. The reasons for the request must be clearly stated and supported where necessary by documentary evidence.

If the Course Co-ordinator refuses to grant a request, the student may make an appeal to the relevant School appeals committee. If the School appeals committee refuses to grant the appeal, or the student is not satisfied with the outcome of the appeal process, he or she may appeal the decision of the School in writing to the Dean of Graduate Studies, clearly stating under what grounds of (i) to (iii) listed in Paragraph 1.24.7 below they are appealing and what remedy they are seeking. If the Dean of Graduate Studies denies the appeal, the student may appeal this decision to the Academic Appeals Committee for Graduate Students (Taught) – see Paragraph 1.24.7.

**1.24.5 Appealing the decision of a PhD transfer/confirmation panel.** Where a transfer or confirmation panel interview has been held, and the panel has determined that a student may not transfer to, or continue on the PhD register, the student may appeal in the first instance to the relevant School appeals committee. The grounds for the appeal must be clearly stated and supported where necessary by documentary evidence. If the student is granted another interview, the decision of the panel in that case will be final.

If the School appeals committee refuses to grant the appeal, or the student is not satisfied with the outcome of the appeal process, he or she may appeal the decision of the School in writing to the Dean of Graduate Studies, clearly stating under what grounds of (i) to (iii) listed in Paragraph 1.24.7 below they are appealing and what remedy they are seeking. If the Dean of Graduate Studies denies the appeal, the student may appeal this decision to the Academic Appeals Committee for Graduate Students (Research) – see Paragraph 1.24.7.

**1.24.6 Appealing the decision of the examiners of a research thesis.** Where a *viva voce* examination of a thesis has been held, and the examiners' reports state that the thesis has been referred back for extensive revision, or the award of a lower degree or outright failure is recommended, the student may appeal the decision of the examiners in writing to the Dean

of Graduate Studies, clearly stating under what grounds of (i) to (iii) listed in Paragraph 1.24.7 below they are appealing and what remedy they are seeking. If the Dean of Graduate Studies denies the appeal, the student may appeal this decision to the Academic Appeals Committee for Graduate Students (Research) – see Section Paragraph 1.24.7.

**1.24.7 Academic Appeals Committees for Graduate Students.** The Academic Appeals Committee for Graduate Students (Taught) will consider appeals arising out of examinations, and other academic circumstances, from registered taught postgraduate students. The membership of the Academic Appeals Committee for Graduate Students (Taught) is outlined in *Calendar Part 1, General Regulations and Information*. Where possible, cases relating to postgraduate students will be heard at the same times as for undergraduates. The Academic Appeals Committee for Graduate Students (Research) will consider appeals arising out of research examinations (to include the final thesis examination and the transfer/confirmation processes), and other academic circumstances, from registered research postgraduate students. The membership of the Academic Appeals Committee for Graduate Students (Taught or Research) should not include any current members of the Graduate Studies Committee.

An appeal will only be heard by the Academic Appeals Committee for Graduate Students (Taught or Research) where the 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.

Appellants must first have pursued the course of action most appropriate to their case - see paragraphs 1.24.4 to 1.24.6 above. The Academic Appeals Committee for Graduate Students (Taught or Research) will not consider appeals concerning decisions made more than 4 months previously, except in the most exceptional circumstances.

Appeals to the Academic Appeals Committee for Graduate Students (Taught or Research) must be made in writing by an appropriate representative or by the student alone. Appellants must use the correct procedural form, must indicate the precise grounds (i to iii above) upon which the appeal is being made and must clearly state what remedy they are seeking (e.g., special supplemental exam, permission to repeat the transfer process, referral or re-examination of the thesis). At the hearing the Dean of Graduate Studies will attend to defend his/her decision in these cases. The graduate student must attend and is entitled to present her/his own case if this is desired, with the support of an appropriate representative.

Further information and appeal forms are available from the Graduate Studies Office.

## 1.25 *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 the 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) will arrange an informal meeting with the student, the student's Supervisor or other appropriate representative, and the academic staff member concerned, to put their suspicions to the student and give the student the opportunity to respond.

7. If the Director of Teaching and Learning (Postgraduate) 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 Director of Teaching and Learning (Postgraduate) 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 Director of Teaching and Learning (Postgraduate) 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).

#### 1.26 *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.

### 1.27 *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 1.27.1 to 1.27.7:

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

Those who hold this award have been able to demonstrate, through a variety of assessment procedures:

- 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.

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

Those who hold this award have been able to demonstrate, through a variety of assessment procedures:

- 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.

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

Those who hold this award have been able to demonstrate, through a variety of assessment procedures:

- 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.

#### 1.27.4 *Research Doctorates (Level 10, National Framework of Qualifications):*

Research doctorates should continue to be known as Doctor in Philosophy. Those who hold this award have been able to demonstrate, through a variety of assessment procedures:

- 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 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 which extends the frontiers of knowledge by developing a body of work, some of which merits publication in national or international refereed publications
- that they can communicate with their peers, 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 contexts, scientific, technological, social or cultural advancement.

#### 1.27.5 *Professional Doctorates (Level 10, National Framework of Qualifications):*

Professional doctorates should be known by a specific title. Those who hold this award have been able to demonstrate, through a variety of assessment procedures including practice:

- a systematic comprehension of a field of study and practice, and mastery of the skills and methods of research associated with that field
- that they have the ability, either singly or as part of a team, to conceive, design, implement and adapt a process of research with scholarly integrity, rigour and discrimination, which may involve the development of new skills, techniques, tools, materials, or practices
- that they are capable of critical analysis, evaluation and synthesis of new and complex ideas and practices
- that they have made some 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 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, professional and practice contexts, scientific, technological, social or cultural advancement
- that they can be expected to receive professional accreditation and recognition, where this is available, within their appropriate areas of expertise.

#### 1.27.6 *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.

#### 1.27.7 *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.

#### 1.28 *Credit weighting of courses*

The European Credit Transfer and Accumulation System (ECTS) represents 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.

#### 1.29 *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 available for download at <http://www.tcd.ie/vpcao/administration/records-awards/application-for-conferral-of-degree.php>. The form must be returned so as to reach the Student and Graduate Records Office not later than the specified closing date for a Commencements session. A Commencements fee of €114) must accompany the application form. Higher degrees must have the approval of Council and Board fourteen days prior to the first date of the Commencements ceremonies. From the 2012-13 academic year the Commencements fee will be charged as a once-off payment to be levied at the same time as the tuition fee. The Commencements fee will be fully refundable to all students who become ineligible to proceed with conferral. Any student who has an appeal underway that could have implications for their degree result is advised not to proceed with degree conferral until the outcome of the appeal has been confirmed.

#### 1.30 *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 8).

#### 1.31 *The Library*

Readers, including all graduate students, are admitted to the Library reading rooms on production of a current Identity Card and 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 ceteraque Bibliothecae supellectilem sic tractaturum, ut supresse quam diutissime possint. Promitto etiam quod neque ipse liberum aliquem asportabo, sponte corumpam, 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.'

#### *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. ( i x ) 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 to 2007 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 Committee on Student Conduct and Capacity, 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 within one month following their examinations. The Library will return records of books and fines outstanding to the Student and Graduate Records Office, for the purpose of alerting students to their obligation to clear their Library records so that they may proceed to Commencements.

#### 1.32 *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.

### 1.33 *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.

### 1.34 *The submission of theses and dissertations*

1.34.1 *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.

1.34.2 *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 he/she deems it necessary.

1.34.3 *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.

1.34.4 *Length.* A thesis must be written concisely. Dissertations submitted in part-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.

1.34.5 *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.

1.34.6 *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.

1.34.7 *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).

1.34.8 *Declaration and online access*:

a) The thesis must contain immediately after the title page the following declaration signed by the author:

*I declare that this thesis has not been submitted as an exercise for a degree at this or any other university and it is entirely my own work.*

*I agree to deposit this thesis in the University's open access institutional repository or allow the Library to do so on my behalf, subject to Irish Copyright Legislation and Trinity College Library conditions of use and acknowledgement.*

b) In the case of a thesis for which the work has been carried out jointly; the declaration must have a statement that it includes the unpublished and/or published work of others, duly acknowledged in the text wherever included.

c) Open access electronic theses are freely available over the World Wide Web for users to read, copy, download, and distribute subject to Irish Copyright Legislation and Trinity College Library conditions of use and acknowledgement. Withheld access will be implemented, as applicable, according to the terms detailed in 1.34.15.

d) A digital repository is an online, searchable, web-accessible database containing works of research deposited by scholars, the purpose of which is both increased access to scholarship and long-term preservation.

1.34.9 *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.

1.34.10 *Acknowledgement*: A formal statement of acknowledgements must be included in the thesis.

1.34.11 *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).

1.34.12 *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.

1.34.13 *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.

1.34.14 *Access to theses*: One bound copy of every thesis approved for a higher degree is lodged in the custody of the Librarian in the University Library. An electronic copy is deposited in the University's open access institutional repository. A thesis so approved may be made available by the Library under terms and conditions relating to appropriate use subject to Irish Copyright Legislation and Trinity College Library conditions of use and

acknowledgement either through the University's institutional repository or by way of the printed copy.

1.34.15 *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 enquiries 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. (Ind.)).

Research students are required to comply with requirements to attend generic and discipline-specific courses as specified in local handbooks, which should be made available to each student on entry, subject to those requirements not being in conflict with general Calendar Part 2 regulations.

#### 2.2 *Admission to the Research Register*

Candidates are normally required to possess a good honours degree (*i.e.* an upper second class (2.1) or first class honours 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.

The University Council approved on 7 May 2008 that from the academic year 2008/09 new research entrants with appropriate academic qualifications are normally admitted directly to year one on the Ph.D. register by the Dean of Graduate Studies on the recommendation of the applicant's prospective supervisor supported by the relevant Director of Teaching and Learning (Postgraduate).

Prospective supervisors may recommend on academic grounds that their new research entrants should be admitted to the Masters register on year one in the first instance, with a view to undergoing a transfer process to the Ph.D. register normally within the first eighteen months of registration. Research applicants may also choose to apply to be accepted to the Masters' register with a view to submitting a Masters' thesis.

Applicants with a lower second class (2.2) honours degree (or less) 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 before Admission to the Research Register*

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 he/she 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 honours 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 he/she may proceed to the postgraduate register. The fees payable are set out in Section 9.

#### 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.

Research students conducting a project involving collaboration between academia and an enterprise will address an aspect of research that emerges from and contributes to the research questions of the relevant enterprise. A suitably qualified co-supervisor from the enterprise must be identified at time of application and will be nominated by the relevant Head of School for adjunct status in TCD for the duration of the student's registration. The co-

supervisor will not be re-numerated. For such research projects the student is permitted to conduct some of the research within the enterprise's premises. All matters concerning intellectual property must be agreed in advance between TCD and the enterprise.

#### 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.

#### 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 *Probation, Progress and Continuing Registration on the Research Register*

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 transferable and discipline-specific modules as are laid down by the graduate programme director or the supervisor in consultation with the appropriate programme director or Director of Teaching and Learning (Postgraduate). 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](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 the 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*

The Principal 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 Principal Supervisor shall also give the students all possible assistance regarding access to the material, equipment and other resources essential to their research. Principal 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.

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 individual shall be the Principal Supervisor and that person should be in the School in which the student is registered. The Co-Supervisor, if appointed, must be willing and qualified to assume the role of the Principal Supervisor if the latter becomes indisposed. If no Co-Supervisor has been

appointed and a Principal Supervisor takes a temporary leave of absence or sabbatical of longer than 3 months' duration, a temporary Acting Supervisor must be appointed by the Director of Teaching and Learning (Postgraduate). Adjunct and Assistant Supervisors may also be appointed to contribute additional advice and guidance of a purely academic nature, the extent and parameters of which may vary and should be negotiated with the student and supervisor(s).

## 2.9 *Eligibility to Supervise Research Students*

Eligibility criteria for the four different categories of supervisors is as follows:

(i) The *Principal Supervisor* must be a Professor, Associate Professor, Senior Lecturer, Lecturer or Senior Research Fellow, including those with Research and Clinical titles. Members of the academic staff on contract may be a Principal Supervisor, but in such cases a Co-Supervisor must also be appointed from among the permanent academic staff; A Co-Supervisor is not required for members of staff on contracts of indefinite duration or contracts which extend beyond the maximum period of the student's registration (i.e., 2 years for a Masters, 4 for a PhD). A Principal Supervisor may not be appointed if they are due to take a leave of absence/sabbatical during the first year of the student's registration.

(ii) The *Co-Supervisor* must be a Professor, Associate Professor, Senior Lecturer or Lecturer, including those with Research and Clinical titles. Members of the academic staff on contract may be a Co-Supervisor, but only if they are on a contract of indefinite duration or a contract which extends beyond the maximum period of the student's registration (i.e., 2 years for a Masters, 4 for a PhD).

(iii) A Research Fellow or a contract academic staff member who holds a Ph.D. degree or equivalent may be nominated as an *Assistant Supervisor*.

(iv) A visiting academic, a part-time non-permanent member of the academic staff, or an emeritus staff member listed in the University Calendar may be nominated as an *Adjunct Supervisor*. A case may be made to the Dean of Graduate Studies for the appointment of an adjunct supervisor external to College on an honorary basis. The adjunct supervisor may not necessarily be from a university background; e.g., they could be from a company (perhaps in a research role) or cultural agency. However, in this case a CV must be submitted along with a description of their proposed contribution to the supervision of the student.

Exceptionally, and only after consultation with the Dean of Graduate Studies, other categories of individuals may be nominated to one of these supervisory roles.

## 2.10 *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. 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.

## 2.11 *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).

#### 2.12 *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 to 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 the written support of the Supervisor. Students on the full-time research register who obtain full-time employment relevant to their research after having completed the first year on the Ph.D. register may apply in writing to the Dean of Graduate Studies to transfer to the part-time register for the remainder of their registration, which may not in this case extend beyond year 5 on the part-time Ph.D. register in total. Such applications must have the written support of the supervisor endorsed by the Director of Teaching and Learning (Postgraduate). Students on the full-time research register may not transfer to the part-time register during or for the final year of their registration.

The minimum period of time on the part-time register is 3 years. If a student on the part-time register leaves before they have completed 6 years on the register, they will be required to pay the difference in fees between the total part-time fees they have already paid and the equivalent full-time fees that they would have been charged during that time on the register, up to a maximum of the 4 years full-time fee.

Students entering or continuing on the part-time register may not at any point transfer to the full-time register.

#### 2.13 *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 two and four years respectively (see this Section Paragraphs 2.18, 2.19 and 2.22). 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 and must have a strong recommendation from the Director of Teaching and Learning (Postgraduate).

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 1.17).

#### 2.14 *Confirmation of the continuation on the Ph.D. register*

A stringent process of academic assessment for all Ph.D. students to confirm their continuation on the Ph.D. register shall normally be arranged within the first eighteen months of registration extended by a further year for Ph.D. students on the part-time register from year 1. The process is to be approached positively and constructively by all parties as an essential part in the student's learning experience.

The Ph.D. confirmation process requires the student to prepare a Ph.D. *confirmation report*; the confirmation 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 confirmation report is made available to the Supervisor with sufficient time for the Supervisor to read it and provide comments. The use of paid professional copy editing services for the preparation of the confirmation report is not permitted and will be considered a breach of the confirmation regulations. In certain exceptional cases, students registered with the College disability service may, following consultation with the Dean, be permitted to avail of paid professional copy editing services.

The student shall be invited to attend a Ph.D. *confirmation interview*. The Ph.D. *confirmation 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 Ph.D. confirmation panel may be drawn only from academic staff eligible to supervise (see Section 2, Paragraph 2.9). Although the Director of Teaching and Learning (Postgraduate) makes the final decision about membership of the Ph.D. confirmation 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 Ph.D. confirmation panel, but it is expected that the Supervisor (and Co-Supervisors) should be present at the interview. When necessary, an external discipline expert may be appointed. The Supervisor's attendance at the interview ensures that he or she is aware of the panel's critique of the student's work.

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

A student may appeal the result of a Ph.D. confirmation interview. See Section 1, Paragraph 1.24.

## 2.15 *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.

The transfer process shall normally be arranged within the first eighteen months of registration, extended by a further year for Ph.D. students on the part-time register from year one. 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 use of paid professional copy editing services for the preparation of the transfer report is not permitted and will be considered a breach of the transfer regulations. In certain exceptional cases, students registered with the College disability service may, following consultation with the Dean, be permitted to avail of paid professional copy editing services.

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 Section 2, Paragraph 2.9). 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. When necessary, an external discipline expert may be appointed. 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 report to be written and transfer interview to be held again as soon as possible thereafter, (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. See Section 1, Paragraph 1.24.

#### 2.16 *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 use of paid professional copy editing services for the preparation of a Masters or doctoral thesis is not permitted and will be considered a breach of the examination regulations. In certain exceptional cases, students registered with the College disability service may, following consultation with the Dean, be permitted to avail of paid professional copy editing services.

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 to the Dean of Graduate Studies (a standard nomination form is issued by the Graduate Studies Office). Two external examiners must be nominated in the case of candidates who are members of staff of the University. In other exceptional circumstances where it is not possible to nominate an internal examiner, a case may be made to the Dean of Graduate Studies for two external examiners to be appointed. The external examiner should be a recognised independent expert in the candidate's field of study. The external examiner should not be a collaborator in the candidate's research, nor be a recent graduate of the College. The internal examiner must be a member of the academic staff, and cannot be the candidate's supervisor. The internal examiner should not be a collaborator in the student's research. 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. The Dean of Graduate Studies is the final arbiter regarding the suitability of examiners. 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.

A *viva voce* examination is a normal requirement of the examination of a Ph.D. candidate. For a Masters examination a *viva voce* 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 has overall responsibility for organising it. Requests from the candidate for a *viva voce* will be considered by the Dean of Graduate Studies. It is the Internal Examiner's responsibility, in conjunction with the School administrative staff and Director of Teaching and Learning (Postgraduate), to arrange the date of, and accommodation for, the *viva voce*. The *viva voce* should normally be chaired by the Director of Teaching and Learning (Postgraduate) who may delegate that role to a head of discipline or other senior academic to act as an independent Chair.

The role of the Chair is to clarify College regulations, where appropriate, and to ensure that the *viva voce* is conducted in a courteous and professional manner. The Chair must intervene if the examiners do not adhere to these regulations. While there is no specified length for a *viva voce* examination, when examination exceeds 2.5 hours the Chair should offer the student and examiners a comfort break of 10 minutes.

The conduct of the examination is the responsibility of the examiners, in consultation with the Chair of the *viva voce*. The only parties who may be involved in any discussion of the proposed result of the thesis under examination prior to the *viva voce* are as follows: the internal and external examiners and the Chair. 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 he/she 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) 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, (iv) a lower degree be awarded, if necessary following minor corrections to the thesis or (v) the thesis be failed. 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), will attempt to achieve an agreement between examiners on the course to be adopted. If agreement is not reached, the Dean of Graduate Studies will propose that new examiners be appointed. All reports will be 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 will 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 9). 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.

## 2.17 *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. A student may appeal the decision of the examiners (see Section 1 Paragraph 1.24 for further details). Appeals will be entertained only on the grounds stated above in Section 1 Paragraph 1.24 *i.e.* in cases amounting to a reasonable claim that the examination was unfair. The candidate's name is then withheld from Council until after the hearing of the appeal.

In cases where re-examination is recommended it should be the work as originally submitted (or of the most recent examined version if revisions were carried out). If the student wishes to decide if the original or revised version should be examined this will be taken into account, but the Dean of Graduate Studies or the relevant appeals committee (depending on the level of the appeal) will make the final decision.

#### **Master in Letters (M.Litt.)**

2.18 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, geography 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 two 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 three years.

#### **Master in Science (M.Sc. (Ind.))**

2.19 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 two 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 three years.

The degree of Magister in Scientiis (Indagatio) M.Sc. (Ind.) will be conferred upon students who successfully complete Master in Science research programmes.

#### **Doctor in Philosophy (Ph.D.)**

2.20 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.

2.21 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.

2.22 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 four 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 six years (unless the student has changed over from the full-time register in which case the maximum combined period on the full-time and part-time register is five years in total (see Paragraph 2.12).

#### **(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 September. 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 is payable by all candidates on a one-off basis (See Section 9 for details). 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 appointed 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 have the power to question the candidate upon his/her work, either in writing or by *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, the Dean of Graduate Studies 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.Ch.Dent., D.Clin.Psych., D.Couns.Psych., D.Ed., LL.M., M.A.I., M.A.I. (recurrent education), M.A.O., M.B.A., M.Ch., M.D., 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 an exit Postgraduate Diploma when the taught component of the course has been satisfactorily completed. 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 who have opted to receive a P.Grad.Dip. may apply to submit subsequently for the corresponding Masters degree. Following completion of the Masters requirements the student will inform the Registrar of his/her intention to rescind the P.Grad.Dip. and have the credit obtained during the P.Grad.Dip. integrated into the Masters degree. The student will be required to submit the original P.Grad.Dip. and/or any duplicates that have been issued. The time limit for applying to complete the credits required for the Masters degree will normally be up to 5 years following completion of the P.Grad.Dip. In exceptional circumstances, a longer time limit may be considered by the Dean of Graduate Studies. This arrangement is not available to students who exit with the P.Grad.Dip. as a consequence of failing to attain the pass requirements of the Masters. 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 with 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 must apply in writing to the Dean of Graduate Studies, with the support of their Course Co-ordinator/Director for permission to re-register on a continuation year. If the request is approved, the graduate student must pay the relevant annual fee.

### 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. The Course Co-ordinator/Director will then make representations to the Dean of Graduate Studies requesting 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 *Examination of Dissertation*

Graduate students who require an extension on the submission date of their dissertation (on medical or *ad misericordiam* grounds) must contact their Course Co-ordinator/Director prior to the submission date and must provide documentary evidence to support their case. Such extensions will be at the discretion of the course committee. Where a course requires graduate students to undertake an oral examination of the dissertation work, this will take place before the examination board meeting takes place. Dissertations may be graded fail/pass/pass with distinction. Graduate students who have achieved a pass / pass with distinction for their dissertation may, subject to the approval of the course committee, be granted a one-month extension free of fees for minor revisions / corrections prior to submitting the final hardbound copy of the dissertation. No extensions to this period will be permitted.

Where failure of a dissertation is contemplated and an oral examination has not been held as a matter of course, graduate students are entitled to an oral examination. This must take place prior to, or during the examination board meeting. The candidate must be informed of the reason for the oral examination. Candidates who have attended an oral examination as a matter of course may not avail of another. The format of an oral examination is at the discretion of the course committee.

### 3.8 *Assessment and progression regulations*

The following regulations apply in all courses of study leading to the award of a Masters degree or Postgraduate Diploma.

1. Graduate students must obtain credit for each academic year of their course 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 may be required to attend a *viva voce* examination. Courses may follow one of two assessment models: either (a) where the final mark is based on a credit-weighted average of the mark awarded in each module; or (b) where the overall credit-weighted average mark for taught modules contributes 40%, and the dissertation or research element contributes 60%, to the final mark. 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.

2. To qualify for the award of the Masters degree, students must, as a minimum<sup>1</sup> and in addition to 3.8.1 above,

- (i) achieve an overall pass mark<sup>2</sup> which is normally the credit-weighted average mark for all taught modules taken, and
  - (ii) achieve a pass mark in all modules designated non-compensatable, and
  - (iii) achieve a pass mark in the research element or dissertation, and
  - (iv) either<sup>3</sup> (a) pass taught modules amounting to 60 credits, or (b) pass modules amounting to at least 50 credits and achieve a minimum mark of 40% (or 30% where the pass mark is 40%) in any failed module(s).
- (iv) Students failing to pass taught modules according to 3.8.2.(iv) above may present for supplemental examination or re-submit required work within the duration of the course, if and as provided for in the course regulations.
- (v) Students who, following the supplemental examination or re-assessment, have failed to pass taught modules according to 3.8.2.(iv) above will be deemed to have failed overall, and may apply to repeat the course.
- (vi) Students who have passed taught modules according to 3.8.2.(iv) above, but who do not achieve a pass mark in the research element or dissertation, will be deemed to have failed overall. Such students may apply to repeat the year or may be awarded the associated Postgraduate Diploma, where this is provided for in the course regulations.

3. In order to qualify for the award of Masters with Distinction<sup>4</sup> students must as a minimum, either

- (i) achieve a final overall average mark for the course of at least 70% and a mark of at least 70% in the dissertation or research element, or
- (ii) achieve a mark of at least 70% in the dissertation or research element, and achieve at least 68% in the unrounded overall average mark for the taught modules, where modules amounting to at least half of the credits attaching to the taught modules (normally 30 credits) each have a mark of at least 70%.

A distinction cannot be awarded if a candidate has failed any credit during the period of study.

3.9. Students who have passed taught modules according to 3.8.2.(iv) above, but who do not choose to complete the dissertation or research element, may be awarded the associated Postgraduate Diploma, where this is provided for in the course regulations. 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.

<sup>1</sup> Regulations applying in individual courses are set out in the relevant course entries in the following sections of this publication and in course handbooks.

<sup>2</sup> A pass mark of 50% applies in most taught postgraduate courses. In certain courses, the pass mark is 40%. In some courses, modules are graded pass/distinction/fail, without the use of numerical marks. Students should consult the relevant course handbook for detailed information on the pass/fail threshold applying in respect of their registered course of study.

<sup>3</sup> Credit requirements may vary in courses carrying more than 90 credits overall. Students should consult the relevant course handbook for detailed information.

<sup>4</sup> Dissertations may be graded fail/pass/pass with distinction. Regulations applying in individual courses are set out in the relevant course entries in the following sections of this publication and in course handbooks.

1. To qualify for the award of the Postgraduate Diploma, students must, in addition to 3.8.1 above,
    - (i) achieve an overall pass mark which is the credit-weighted average mark for all modules taken, and
    - (ii) achieve a pass mark in all modules designated non-compensatable, and
    - (iii) either (a) pass modules amounting to 60 credits, or (b) pass modules amounting to at least 50 credits and achieve a minimum mark of 40% (or 30% where the pass mark is 40%) in any failed module(s).
  2. In order to qualify for the award of Postgraduate Diploma with Distinction students must, in addition to 3.9.1 above, either
    - (a) achieve an overall credit-weighted average mark of at least 70% across all modules, or
    - (b) achieve at least 68% in the overall credit-weighted average mark and achieve a minimum mark of 70% in individual modules which together amount to at least half of the required credits for the award of the Postgraduate Diploma associated with the student's registered course.
- 3.10 The following information relates to all examination results:
1. All postgraduate examination results are published anonymously under a student's registered number.
  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-books*

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 endorsed by the Director of Teaching and Learning (Postgraduate) in the student's School. 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 Co-ordinator. 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') if permission had been granted for medical reasons. This application must be supported by the Director of Teaching and Learning (Postgraduate) concerned and/or the Supervisor/Course Co-ordinator/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 1.24.

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 (D.Ch.Dent.)
- Professional Doctorate in Education (D.Ed.)
- Doctor in Clinical Psychology (D.Clin.Psych.)
- Doctor in Counselling Psychology (D.Couns.Psych.)
- Doctor in Medicine (M.D.)
- Master in Business Administration (M.B.A.)

Master in Dental Science (M.Dent.Sc.)  
Master in Education (M.Ed.)  
Master in Engineering (M.A.I.)  
Master in Engineering (M.A.I.) Recurrent Education  
Master in Fine Art (M.F.A.)  
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 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 expectations of graduate students as members of the academic and general community. This charter may be viewed on the College website at <http://www.tcd.ie/about/policies/>.

### 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

- activity which brings the College into disrepute,
- misconduct in relation to examinations, libraries, and the use of other College facilities, services, and accommodation,
- disruption of the normal operation of activities within the College, and
- 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 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 Committee on Student Conduct and Capacity. 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 Committee on Student Conduct and Capacity.

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:

- Conduct which does, or is liable to cause, violence to person or damage to property.
- 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.
- Seriously interfering with, or unreasonably impeding members of the College in carrying out their duties.
- Theft, fraud or misapplication in connection with funds or property of any kind in College.
- Offences in connection with degrees or diplomas or annual examinations or tests conducted by the College.
- Falsification or serious misuse of University records, including degree or diploma parchments.
- False pretences or personation of others, within or without the College, in connection with academic attainments or financial awards.
- 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.
- (o) Actions of students responsible for, or contributing to, the activities of student publications and/or student societies and/or sports clubs which may be injurious to the health, safety and welfare of any person.

5. The Committee on Student Conduct and Capacity consists of members of the academic staff and of the technical, administrative and support 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 Committee on Student Conduct and Capacity, or conduct initial hearings into the most serious offences.

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.

### 5.3 *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*

(a) Only recognised societies and clubs, the Students' Unions, College publications and other bona fide College organisations may advertise in College. It is the responsibility of all the officers and staff of the capitated bodies and of all the committee members of all societies, clubs, publications and other bona fide College organisations to be aware of the regulations and guidelines covering poster and advertising material in College.

(b) In the interest of creating an inclusive and safe College environment care should be taken to ensure that any images or content comply with the College dignity and respect policy and do not create an offensive or hostile environment for an individual or group in College, particularly in relation to any of the nine protected equality grounds. Attention is drawn to the relevant legislation, the Equal Status Act (2000-2010), the Employment Equality Act (1998-2010) and the Prohibition of Incitement to Hatred Act (1989). It is the College's policy to protect freedom of expression and intellectual enquiry and to ensure that they are exercised in such a way as to not interfere with the rights of others, or breach the laws of the State.

(c) Posters advertising specific events organised by recognised societies and clubs, the Students' Unions, College publications and other bona fide College organisations should not identify, explicitly or implicitly access to free or cheap alcohol as a primary incentive to attendance. Posters produced by or on behalf of these aforementioned bodies should not display alcoholic beverages or products either specifically or generically. ( d )

Notices may not exceed 42 x 29.7 cm (A3) 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 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. Posters and notices advertising events or activities in College may not be fixed to the walls of buildings, lamp posts, litter bins or benches.

### 5.5 *Sale or distribution of printed matter*

(a) 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 Students' Unions

or material issued by an authorised society or club of the College including tickets for any function organised by those societies.

(b) 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 and Social Sciences 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 student newspaper, its editor.

(c) Notwithstanding 10 (a) and (b) above promotional material in the form of flyers or leaflets may not be freely distributed by the Students' Unions or by any authorised society or club of the College with the exception of the period of Freshers' Week and the respective election campaign periods of the Students' Union and the Graduate Students' Union. At all other times promotional material in the form of flyers or leaflets must be confined to the stands available to Students' Unions and all authorised societies and clubs of the College, in the concourses of the Arts and Social Sciences Building, the Hamilton Building and the Smurfit and Panoz Institutes. It is absolutely prohibited to distribute promotional material on campus on behalf of external outlets. (d) It is forbidden to leave printed matter such as student newspapers or magazines in bundles in any external area of College.

#### 5.6 *Erection of stalls in College*

Stalls may **NOT** be erected in College except in the foyer of the Arts and Social Sciences Building and the Hamilton Building by arrangement with the Campus Superintendent and the Senior Dean.

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

#### 5.7 *Banners*

Banners may only be erected with the approval of the Senior Dean at the following locations: Front Arch (east), the Arts and Social Sciences Building ramp (north) and the Pearse Street Gate (viaduct).

#### 5.8 *Collecting boxes*

Collecting boxes can only be used with the prior permission of the Senior Dean.

#### 5.9 *Sale of goods*

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

#### 5.10 *Booking of rooms for events*

Individuals or groups wishing to hold events on College property (indoor or outdoor) on or off the main campus are required to make an application, normally five working days in advance, at the Enquiries Office, West Theatre. Permission to host such events is sought from the Junior Dean. Permission to hold an event likely to give rise to a need for additional security must be sought from the Junior 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 an event 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 an event, the plans for which turn out to require special security, will be grounds for refusing permission for that event.

Bookings for meetings in the O'Reilly Institute must be made in advance with the Director of the Office of Trinity Research & Innovation.

#### 5.11 *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.

#### 5.12 *Universal access pathways*

The universal access pathways in the cobbled areas in College are primarily intended to accommodate pedestrians, particularly those with disabilities. Vehicles are prohibited from parking on these pathways and cyclists must give way to pedestrians using the pathways.

Impeding access to or on the pathways through the positioning of vehicles or fixtures (such as signs) is also prohibited.

5.13 *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.

5.14 *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.

5.15 *Amplifying equipment*

Radios, loudspeakers and other amplifying equipment may **NOT** be used in public areas within the College precincts without the permission of the Junior Dean. 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.

5.16 *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.

5.17 *Bicycles*

Bicycles may not be parked on the centre walk in Parliament Square. It is forbidden to park bicycles in hallways, staircases, or landings of houses. Bicycles must not be ridden either through the Front Gate, the Arts Building entrance or the new entrance at Pearse Street East. Bicycles must be parked in the bicycle racks provided.

5.18 *Derelict vehicles*

Any derelict or unlicensed motorcar, motorcycle or bicycle will be removed by the College authorities after fourteen days' notice has been placed thereon.

5.19 *Concerts, dances and parties*

The Students' Union and any College society or club planning to hold a concert or gig in College must apply for permission to do so at least eight days in advance of the function. Permission is granted by the Junior 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 five working days in advance. Application form available from the Junior Dean's website at [http://www.tcd.ie/Junior\\_Dean/Parties/index.php](http://www.tcd.ie/Junior_Dean/Parties/index.php).

5.20 *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.

5.21 *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.

5.22 *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/her authority, in the event of a breach of any condition of such approval.

#### 5.23 *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.

#### 5.24 *Sports clothing*

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

#### 5.25 *Roofs and attics*

College roofs and attic spaces are out of bounds.

#### 5.26 *Waste management and recycling*

It is a College offence to deposit litter or other waste in any location within the College perimeter other than in the designated litter bins or other waste disposal units provided on campus. It is also an offence to use College waste management or recycling facilities to dispose of personal, domestic waste of any kind – whether recyclable or not. 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.

#### 5.27 *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 Students' Union who will provide advice on accommodation in Dublin. Generally, private rented accommodation is in reasonable supply. An accommodation advisory service operates from late August to the end of Freshers' Week to assist students seeking private accommodation.

Comprehensive information is available on the College website at <http://www.tcd.ie/Accommodation>.

**5.27.1 *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 700 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 four week period during February/March.

Applications for rooms in College will be accepted from full-time students registered for postgraduate degree course. Ordinarily, applications will not be accepted from students registered for diploma courses. Where a degree course is jointly delivered with another institution, applications will be accepted from students in those years that the course is delivered by Trinity College. There is normally a considerable demand for rooms.

Most of the allocations of College rooms for the coming academic year are made in May. Graduate students are notified electronically. 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.

**5.27.2 *Accommodation in Trinity Hall***: Trinity Hall at Dartry near Rathmines is 4 km (2½ miles) from the centre of Dublin. It is on a number of direct bus routes, the LUAS tramline, and is within easy cycling distance of the College. Part of the grounds form the University of Dublin Botanic Garden.

Undergraduates in all years, visiting students and postgraduates will be considered

for accommodation at Trinity Hall. New entrants and particularly students entering their first year are advised to apply to Trinity Hall. Applications should be made by students after they have been issued with a student ID number.

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 at Trinity Hall. These rooms are designed for students who are capable of independent living and are not suitable for students requiring assisted 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 received a College ID number. Vacancies may occur during the year and interested graduate students should keep in touch with the office at Trinity Hall.

5.27.3 *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 may retain their rooms until the morning following final May examinations, provided that they inform the Registrar of Chambers, or the Warden of Trinity Hall respectively, before the commencement of annual examinations 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 receive a discount equivalent to one third of the rent of a standard room. 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 5.27.1. 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 may be given as detailed below.

A. Four weeks' written notice is given to the Accommodation Office which is received on or before the first working day of December, with the room vacated by 1 January.

In this case the licensee will also be liable for rental and utility charges for a further period of four weeks after the expiry of the initial notice period.

In the event that the licensee vacates before the expiry of the required period of notice, the licensee still remains liable for the rental and utility charges for the full notice period. After the expiry of the period of notice, the licensee is liable for the rental and utility charges for a further period of four weeks.

The four week liability may be reduced to the length of time the place remains vacant during that period in the following circumstances:

(a) Where the departing resident introduces a new applicant who is acceptable to the relevant College Officer to take up occupancy.

(b) Where the place is filled by another applicant. In such cases where there is more than one vacancy, vacancies will be filled in rotation in the order in which they arise.

B. Where the room is to be vacated on or after 1 January, four weeks' written notice must be given to the Accommodation Office. In this case the licensee remains liable for the full cost of all rental and utility charges to the end of the licence.

In the event that the room is re-let as described above, credit may be allowed for the period the room is re-let.

5.27.4 *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.

5.27.5 *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.

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.

5.27.6 *Residential charges.* For rooms in College graduate students pay a fixed charge for three rental periods i.e. mid-September to 31 December, 1 January to 31 March, and 1 April to mid-May. In Trinity Hall the periods are mid-September to 31 December, 1 January to 31 March and 1 April to mid-May. 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 May examination on payment of a daily extension charge provided the Accommodation Office or the office at Trinity Hall is notified prior to the commencement of annual examinations. 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. Rooms are available from mid-August and must be requested before 1 July.

Graduate students wishing to reside in rooms in College or Trinity Hall may obtain details of the residential charges and deposits on the Accommodation Office's web page during the February/May application period (<http://www.tcd.ie/Accommodation>).

Staff wishing to reside in College may obtain details of rent and availability from the Accommodation Office. Details of accommodation at the Trinity Hall residences for both staff and students with partners are available from the office at Trinity Hall.

5.27.7 *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.

For rooms in College there are three account periods, mid-September to 31 December, 1 January to 31 March and 1 April to mid-May. 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 early 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 a rental period, 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 mid-September to 31 December, 1 January to 31 March and 1 April to mid-May. For the first period, payment must be made before residence is taken up. For the second and third periods payment must be made before the first day of the period. 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 a rental period, the account will remain outstanding but the rooms become automatically forfeit upon notice from the Warden of Trinity Hall.

Publication of examination results may be withheld where students fail to settle their residential accounts. The Registrar of Chambers or the Warden of Trinity Hall may request this course of action, through the Senior Lecturer, pending the discharge of the outstanding account.

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 for forfeiture of deposit, or of such portion of it as the Registrar of Chambers or the Warden of Trinity Hall may determine.

5.27.8 *Transfers:* If graduate students wish to change their rooms between

September 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.

*5.27.9 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 College must be obtained from the Junior Dean five working days in advance. Application form available from the Junior Dean's website at [http://www.tcd.ie/Junior\\_Dean/Parties/index.php](http://www.tcd.ie/Junior_Dean/Parties/index.php). 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 to hold parties in other College rooms must be obtained from the Junior Dean five working days in advance. Application form available from the Junior Dean's website at [http://www.tcd.ie/Junior\\_Dean/Parties/index.php](http://www.tcd.ie/Junior_Dean/Parties/index.php). The person or group receiving permission to hold such a party will be responsible for any damage or excessive noise resulting therefrom. 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.

### 5.28 *Commons*

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 the summer vacation Commons is served at 1.05 p.m. on week-days. Precise details of the days and times of service are published in advance.

Commons bookings are made by means of a full and valid departmental charge code or 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 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 €20.50 per voucher. Each voucher will be date stamped for the Commons meal required. Vouchers can be purchased no later than 3 p.m. on the day prior to the day the voucher is to be used.

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

Fellows, scholars and sizars receive their Commons free of charge.

Scholars wishing to attend Commons must sign on by 3 p.m. daily at [http://www.tcd.ie/Junior\\_Dean/Scholars/Scholar/](http://www.tcd.ie/Junior_Dean/Scholars/Scholar/). During the summer vacation Commons is served at 1.05 p.m. on week-days and scholars must sign on by 11 a.m. Scholars not on the College books, but with an entitlement to Commons, free of charge, can obtain Commons vouchers from the Registry of Chambers.

Fellows wishing to attend Commons must sign on by 3 p.m. daily at <http://www.tcdlife.ie/scholars/fellow/login.php>. During the summer vacation Commons is served at 1.05 p.m. on week-days and fellows must sign on by 11 a.m.

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 pre-paid vouchers or a full and valid departmental charge code for them.

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

### 5.29 *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.

### 5.30 *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; to foster co-operation with staff and student representatives on safety matters; and to assist in ensuring compliance with health and safety legislation and regulation.

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 school or department safety statements are available from department heads.

### 5.31 *Data Protection*

Data protection legislation safeguards the privacy of individuals in relation to the processing of their personal data. The Data Protection Acts 1988 and 2003 lay down rules about the safeguarding of the privacy of personal data, including such areas as the obtaining, processing, keeping, use, disclosure, accuracy, appropriateness, retention and an individual's right to access and correct their personal data. The legislation applies to personal data held in both manual and electronic format. All members of staff are required, in addition to observing their obligations under the Acts, to comply with the terms of the College's data protection policy and any regulations which may from time to time be laid down by the Board of the College. Further information is available from the College website at [www.tcd.ie/info\\_compliance/dp/](http://www.tcd.ie/info_compliance/dp/).

### 5.32 *Copyright*

The use of copyright materials is governed by the Copyright and Related Rights Acts 2000 to 2007. Those copying material which enjoys copyright protection are required to comply with the provisions of the legislation. This applies to the use of College and other photocopying equipment and to copying by other means, including digital copying. Failure to comply may expose the person to potential civil and criminal liability and, in the case of a student or staff member of College, to College disciplinary procedures. It is also an offence under the legislation to distribute or make available copyright material in any format without authorisation, e.g. by way of computer networks, including publishing it on a website. Those who distribute or make available such material without authorisation are not only in breach of the legislation but also contravene the College's code of conduct for the use of computer resources. Further information is available from the College website at [www.tcd.ie/info\\_compliance/copyright/](http://www.tcd.ie/info_compliance/copyright/).

The copyright of all material submitted as an exercise in full or partial fulfilment of the requirements for the award of a qualification from the College and the University vests in the author unless otherwise determined under the College's intellectual property policy.

### 5.33 *Child Trafficking and Pornography Act 1998-2004*

All staff and students should be aware that the terms of the Child Trafficking and Pornography Acts 1998 to 2004 are applicable to College. These Acts 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 these Acts 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 Acts is a person under the age of 17 years).

### 5.34 *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/info\\_compliance/foi/](http://www.tcd.ie/info_compliance/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.

#### 5.35 *Smoking in College*

College is required to comply with the requirements of The Tobacco Smoking (Prohibition) Regulations, 2003. College policy prohibits smoking in all College buildings and other enclosed workspaces, including College vehicles.

#### 5.36 *Dignity and Respect*

All staff and students should be aware of and uphold the College's dignity and respect policy. The College is committed to supporting a collegiate environment for its staff, students and other community members, which is free from discrimination, bullying and harassment. The Employment Equality Acts 1998-2010 and Equal Status Acts 2000-2010 outlaw discrimination and harassment in relation to any of the nine equality grounds (gender, age, sexual orientation, religion, ethnicity, disability, family status, civil status, and membership of the Traveller community) in employment and service provision.

College has published a policy detailing roles and responsibilities, and a framework and procedures for addressing any issues that arise, including informal and formal complaint procedures. Failure to comply with the dignity and respect policy could result in disciplinary action. This policy applies to all members of the College community – staff, students and visitors. A panel of contact persons has been appointed by the Board and members are available to provide confidential advice. The Equality Committee is responsible for monitoring the implementation of this policy. Further information on procedures and sources of help is available at <http://www.tcd.ie/about/policies/respect.php>.

## 6. SPECIFIC REGULATIONS FOR TAUGHT GRADUATE COURSES BY FACULTY

The degree of Magister in Scientiis (Studia) M.Sc. (St.) will be conferred upon students who successfully complete Master in Science taught programmes unless otherwise indicated in Section 7 (List of Higher Degree Titles).

### 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 1<sup>st</sup> 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 Maureen Junker-Kenny

#### 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 course has a formal taught component and an experiential project based dimension. The central objective of the course 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 executive manager or CEO. 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 moderation, 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 honour 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 at least five years 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 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, 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 unless there is a particularly compelling case for admission. Furthermore, applicants will be required to submit a GMAT result with a minimum score of 500, and all applicants whose native language is not English may be required to submit proof of English proficiency.

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

2.4 *Course Structure and Content:* The Trinity M.B.A. is designed to enable students to achieve learning objectives in the following general areas: (a) Managing the Business Environment, (b) Managing the Business Functions, and (c) Integrative Management Practice. As part of the course students in the full-time course will gain high level experience in three domains including (i) innovation in the context of high-potential start-up businesses, (ii) entrepreneurship in the context of social enterprise, and (iii) strategy practice in the context of major Irish and international companies. For part-time students these learning objectives are pursued through participation in relevant projects and through individual and group assignments that may tie in with their own working environment.

2.5 *Assessment:* Varying modes of assessment are used throughout the course to evaluate participant performance. Assessment by formal written examination occurs at the completion of Michaelmas and Hilary Terms. Assessment other than by formal written 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. Many of these activities are assessed and include assignments such as group projects, case studies, presentations, deliverables associated with the Company Project and other relevant activities.

2.6 *Evaluation:* To be eligible for the award of an M.B.A., students must: satisfy the teaching staff on class work, assignments and tests, and satisfy the examiners in relation to performance on the course and all projects.

Detailed regulations covering successful progression through the course are found in the course handbook for the current academic year. The pass mark for all assessments is 50%. Students who achieve a credit-weighted average of 70% or above across all for their assessments and who have passed all of their assessments without repeat examinations are eligible for the award of the MBA degree with distinction.

2.7 *Applications:* Information on making an application can be found at [www.trinitymba.com](http://www.trinitymba.com) and should be submitted electronically. Applicants, whose applications have been accepted by the School of Business, will receive a formal offer of admission from the School on behalf of the Dean of Graduate Studies.

2.8 *Programme Director:* Mr Michael Flynn

### **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 membership of 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 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 50% of course time on clinical placement; the remainder is divided between the taught academic programme and research activity.

3.6 *Assessment:* The performance of candidates shall be assessed by the Court 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 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 academic modules will be assessed by written examinations and/or coursework. Clinical competence on each of the six placements will be assessed by the Court of Examiners. In evaluating clinical competence, the Court of Examiners 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. 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 coursework 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 Court of Examiners in any assessment may be permitted, at the discretion of the Court of Examiners, 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 Court of Examiners. If however, a candidate is deemed

unsuitable across a number of areas, the Court of Examiners 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 rise with the class. A student who for illness or other cause is absent for more than one month will be required to take a leave of absence from the course and will be readmitted in the following academic year. In cases involving extended leave due to illness the Course Director may require an assessment to be carried out by an independent practitioner nominated by the Course committee.

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 Court 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 Court of Examiners 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. In some cases of unsuitability the matter will be dealt with under the provisions of the College Fitness to Practice Procedures.

3.8 *Course Director:* Professor Kevin Tierney

#### **4. Doctorate in Counselling Psychology (D.Couns.Psych.)**

4.1 *Introduction:* This intensive course provides professional training in counselling psychology for an annual in-take of up to fourteen students. The three main objectives of the course are (1) to allow students to obtain a level of postgraduate academic and research performance appropriate for the award of a doctoral qualification (2) to progress this academic and research performance with the practice of counselling psychology, and (3) to acquire professional knowledge and skills. The course emphasises the scientist-practitioner model and research-informed practice. The scientist-practitioner model is fostered through research classes and work on the research dissertation. Students are informed on a variety of research strategies (including e.g. experimental, quasi-experimental as well as descriptive and qualitative, phenomenological, hermeneutic, discourse analytic and grounded theory approaches) and learn to critically evaluate the strengths and weaknesses of different methodologies. Taught classes as well as counselling skills training, supervision and reflective practice modules emphasise the application of current psychological knowledge informed by empirical research in the work of the counselling psychologist. The students are facilitated to be aware of current research findings and to incorporate them into their clinical practice.

4.2 *Course Structure:* 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. Professional and case management issues as well as life span developmental psychology and its applications, are taught. Assessment procedures and psychometric tests particularly relevant to counselling psychology are taught 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. Couples and group counselling training is provided. Workshops are offered by specialists in various areas on contemporary topics. The third year includes small group supervision and

advanced counselling theory and its application. However, the main focus will be on research. A research project resulting in the doctoral dissertation is carried throughout the three years. Students are responsible for identifying their own dissertation supervisor, and for related costs, e.g. photocopying and binding, unless covered under a research grant.

Prior to starting placement, first year students attend a 2-3 day orientation to the College and the Course, followed by eight/nine weeks of intensive work on campus. After that students are typically on placement two full days per week, and in college two full days per week (during terms), however, adjustments considering the course and placement requirements may be sought by the course. Each student is actively involved in supervised counselling work over the academic year. Supervision is provided in multiple formats weekly, e.g. 1:1 casework supervision by a site Supervisor, small groups in College, and video work in College. Students must adhere to the PSI Code of Professional Ethics ([www.psihq.org](http://www.psihq.org)) and the College guidelines on clinical competence.

Each student is required to undertake a minimum of 75 hours of personal counselling at their own expense in addition to the group dynamics work provided by and required by the course. Students meet weekly with a learning partner as a source of support and personal development activity.

Outline of First Year Modules:

- Small Group Supervision I
- Counselling & Psychotherapy Skills Training I
- Personal Development I
- Reflective Practice
- Professional Issues in Counselling Psychology and Case Management
- Theories and Approaches and Theoretical Issues in Counselling Psychology
- Advanced Life Span Developmental Psychology - Theory and Practice
- Assessment Procedures and Psychometrics
- Research in Counselling Psychology I
- Small Scale Research
- Placements

Outline of Second Year Modules:

- Small Group Supervision II
- Reflective Practice and Research
- Counselling & Psychotherapy Skills Training II
- Advanced Counselling & Psychotherapy Theory and its Application - Counselling Modalities
- Personal Development II
- Research in Counselling Psychology II
- Dissertation Research – Research Proposal and Literature Review
- Placements II

Outline of Third Year Modules:

- Small Group Supervision III
- Advanced Counselling Psychology Theory and its Application
- Dissertation Research – Doctoral Dissertation
- Placements III

4.3 *Admission:* Applicants must normally hold at least a second class honors degree upper division in Psychology or equivalent e.g. Dip.Psych. with relevant professional experience, from a recognised university course, which confers eligibility for graduate membership of the Psychological Society of Ireland when they start the course. International applicants with equivalent qualifications are most welcome to apply. Personal interviews, group and individual format, are held in April/May each year for entry the following September. If invited for interview, applicants will be required to complete a personal statement questionnaire.

4.4 *Duration:* This is a three calendar years, full time, intensive course. As well as community based placement work hours (placements follow the assigned agency's calendar, not the College calendar), summer commitment is also required to complete academic papers, conduct research, client work related reading, etc. Supplementary summer placements are required for some students. All students are encouraged, and some are required, to continue their placement one day per week throughout the summer months. A research project resulting in the doctoral dissertation is carried throughout the three years, including summer months.

4.5 *Assessment:* A variety of assessment methods are used depending on a specific module, (e.g., skills evaluation and in-class participation, essays, personal and professional development report, process reports, case studies and student presentations). Practical work is also assessed through presentations, supervisor's evaluation, and placement review. Research is assessed through the research proposal, literature review, and Doctoral dissertation. Details are included in the 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, he/she must satisfy the examiners by fulfilling such other re-submission/re-sit of the assessment of that component as the Course Director, and ultimately, the Court of Examiners decides. A student who fails to achieve a pass standard in a total of more than three pieces of assessment in the same year at the first attempt will be deemed to have failed the course and will not be permitted to proceed. A student will not be permitted to proceed if he/she 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 Court of Examiners, which meets in August/September.

Re-submission Procedures for assessments (excluding placements) that fail to reach a pass standard: Where a re-submission 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.

With reference to the Psychological Society of Ireland's Accreditation Guidelines for Postgraduate Training in Counselling Psychology and in line with College policy on Fitness To Practice (FTP) the D.Couns.Psych. considers FTP issues in all aspects of course provision. Cases raising FTP issues fall into three categories: 1) cases where a student is deemed unsuitable to participate in a placement as a result of the outcome of Garda vetting procedures; 2) disciplinary offences and 3) all other non-disciplinary cases.

Unsuitability for training (FTP) covers issues that affect a student's ability or suitability to fully participate in the D.Couns.Psych. course and in related clinical and professional work whereby the requisite competencies and abilities outlined in the course learning outcomes are not or cannot be pursued and/or demonstrated. It includes a breach of PSI Code of Ethics and/or an inability or unwillingness to uphold appropriate professional standards of behaviour and conduct in all aspects of their professional work and 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. Concerns over a student's suitability for training (FTP) will be dealt with under the College Fitness To Practice Procedures.

4.6 *Procedure for failed placement:* The reason for the fail must be clearly stated in writing and shared with the student. The reasons need to be clearly described and linked to the headings outlined in the mid-placement and/or end of placement form and learning outcomes for placement. If possible and appropriate, the student has to be first informed about the possibility of failing the placement and reasons need to be clearly outlined and communicated. The supervisors are required to collaborate with the core course staff if any problem arises on placement. It is recognised that beginning students may not yet be fully informed as to the nuances of ethical behaviour and this will be taken into consideration in determining the course of action followed.

If the fail was due to clearly and known unethical or illegal behaviour, the student will be referred to the Court of Examiners who will make a recommendation either to retain or withdraw the student. The student will also be referred to the Psychological Society of Ireland or their particular Professional Society for follow-up.

If the fail was due to unethical behaviour of a less serious nature, the case will be thoroughly investigated with respect to College protocol and procedure. The Psychological Society of Ireland may be consulted as appropriate. Where relevant, the results will be presented to the Court of Examiners who will make a recommendation either to retain or withdraw 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. These might include:

- Continuing the current placement for a time period agreed beyond the original end date.
- Attending another placement for a time period agreed.
- Completing assigned academic work (readings, case reports, etc.)
- Any other recommendations of the supervisory group.
- Being withdrawn from the course.

Any cost incurred for supervision during additional time will be the responsibility of the student. The student, in liaison with the Placement Co-ordinator, may need to secure their own supplementary placement.

The student must receive a pass for the supplementary time on placement. If the student receives a second fail for placement, he/she will be withdrawn from the course.

**4.7 Dissertation:** Submission criteria will follow the College document "Regulations, guidelines and notes for candidates on submission for a higher degree by thesis". The total length for the whole dissertation must be within the range of 50,000 – 55,000 words including tables and references. Four soft-bound copies of the dissertation must be submitted to the course administrator. All candidates for the D.Couns.Psych. will have a viva examination. The examination process of the dissertation will involve the external examiner appointed to the course who acts in a primary role, with a designated member of academic staff of the School serving in a secondary capacity. Following the viva, the examiners recommend a mark in line with the relevant regulations as laid out in the Calendar Part 2.

Candidates who achieve a pass on all components of the course will be eligible for the award of Doctorate in Counselling Psychology. Candidates who do not successfully complete the third year of the programme but who have passed all assessments in the first two years will have the option of submitting a M.Sc. dissertation to obtain a Master in Counselling Psychology degree.

**4.8 Course Director:** Professor Ladislav Timulak

## **5. Professional Doctorate in Education (D.Ed.)**

*There is no intake in 2012/2013*

**5.1 Introduction:** The Doctorate 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 (e.g., classroom based, leadership and management, 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.

**5.2 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.

**5.3 Duration:** The course is four to five years part-time.

**5.4 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.

**5.5 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 an oral and written assessment which is designed to ensure that the student is ready to progress onto year 3 of the programme. The thesis is examined

according to the regulations for higher degrees by research laid out in Section 2 of this Calendar.

5.6 *Course Co-ordinator:* Professor Andrew Loxley

## **6. Master in Education (M.Ed./P.Grad.Dip. in Educational Studies)**

6.1 *Introduction:* This professional modular degree programme leading to the award of Master in Education (M.Ed.) is organised and administered by the School of Education. The degree is intended for applicants who wish to gain a comprehensive and contemporary understanding in 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 education, 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.

6.2 *Admission Requirements:* Applicants are normally expected to hold a good honors degree and have at least two 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 educare. 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.

6.3. *Duration:* The programme is modular, and students may take up to three years to complete.

Option 1: Full time\* 4 modules and 20,000 word dissertation completed in one year.

Option 2: Part time\* 4 modules and 20,000 word dissertation completed over two years (four modules in year one and dissertation in year two).

Option 3: Part time\* 4 modules and 20,000 word dissertation completed over three years (two modules in year one, two modules in year two, dissertation in year three).

\*Not all specialist tracks are available for study in each option. Some specialist tracks may involve additional assignments and/or field experience, as per professional body requirements.

6.4 *Course Structure:* The M.Ed. programme is built around the following strands:

- Aggression Studies
- Co-operative Learning
- Drama in Education
- Educational Guidance and Counselling
- Foundation Studies
- Higher Education
- Leadership and Management in Education
- Positive Behaviour Management
- Science Education
- Special Educational Needs

In the case of Foundation Studies, the four modules are chosen from a range of options to include: history of education, philosophy of education, sociology of education, educational psychology, ICT in education, language education, assessment and evaluation, and education and social policy.

The total credit weighting for the programme is 90 ECTS credits. These credits are distributed among the taught modules and the research component. The taught modules together carry 60 credits and each strand contains four themed modules (15 credits each). The remaining 30 credits are allocated to the research component. Typically the teaching activities are organised outside of normal school hours and classes are held in Trinity College and where possible, in regional Education Centres.

6.5 *Assessment:* Each student will complete written (or equivalent) assignment(s) of

between 4,000-5,000 words per module, which are graded as distinction, pass, or fail. The type of assessment may vary according to the requirements of the module. A student is permitted to re-submit the course-work for one failed module only. Research Methods and Academic Writing and Critique are compulsory parts of the research component and are assessed on a pass/fail basis. Submission of a research proposal forms part of the research component. To progress to the dissertation year a student must achieve a pass or distinction in each of the four modules amounting to 60 credits. Compensation between modules is not permitted. The dissertation is 20,000 words in length. Those students who, for any reason, do not wish to continue to the dissertation on the M.Ed. programme, or who fail the dissertation, may, after satisfactorily completing four 15-credit modules, apply to exit with a Postgraduate Diploma in Educational Studies. A student who achieves a distinction in the dissertation and a distinction in three or more modules may be awarded the M.Ed. with Distinction.

6.6 *Course Co-ordinator:* Professor Keith Johnston

## **7. Master in Fine Art (Playwriting Strand) (M.F.A./ P.Grad.Dip. in Fine Art)**

7.1 *Introduction:* The course offers professional training for the theatre and related industries, in four strands of Playwriting, Stage Design, Lighting Design, Directing.

7.2 *Admission requirements:* Candidates should have a good honors Bachelor degree of upper second class, or above, or equivalent qualification. Exceptions based on a portfolio of proven natural ability and prior experience as demonstrated at interview will also be considered.

7.3 *Duration:* The course lasts for one academic year from September of the year of admission to the following September. Students may take the course part-time over two years.

7.4 *Course structure:* the Playwriting strand consists of four compulsory modules as follows:

a) *Module 1 Contemporary Theatre Practice* introduces students to a range of contemporary theatre practices as evidenced in the theatres of Dublin. The principal aim of the module is to enable students to become conversant in the styles, forms, theories and practices that constitute contemporary theatre-making in Ireland. (MT/HT: 20 ECTS credits)

b) *Module 2 Dramaturgy* introduces students to a range of dramatic texts with an emphasis on the dramaturgical composition of those texts. An understanding of the contexts within which those dramaturgical strategies were produced will also be fostered. (MT/HT: 20 ECTS credits)

c) *Module 3 Writing Workshop* consists of a series of workshops led by a professional playwright that aims to develop the student's playwriting skills through weekly writing exercises from first to final draft, exploring monologue, duologue, dialogue and ensemble scene construction. (MT/HT: 20 ECTS credits)

d) *Module 4 One-Act-Play* aims to enable students to apply the skills acquired in the other Modules to the development of their individual creative voice and practice, and in the writing of a one-act play. (30 ECTS credits)

7.5 *Overall assessment and progression:* Students must pass all modules, including the One-Act-Play, and accumulate 90 credits in order to be considered for an award of Master's degree. The pass mark for all assessments is 50%. No compensation is allowed between modules.

Students are entitled to one supplemental examination and/or can re-submit failed assignments in any failed module. Resubmission of failed assessments is normally due on August 31<sup>st</sup> or if this falls on a weekend, the Friday before. A supplemental assessment can only be awarded a maximum mark of 50%.

Students who achieve a mark of 70% or above for Module 4 will be awarded a Distinction provided they have an overall credit-weighted average mark for the course of at least 70% and have passed all modules at first attempt.

Weighting: Each module is weighted in the calculation of the overall course mark according to its ECTS credit weighting.

An exit award of Postgraduate Diploma in Fine Art will be considered where a student has passed modules amounting to 60 ECTS credits but chooses not to complete, or fails, Module 4. The Postgraduate Diploma may be awarded with distinction to candidates who achieve an overall average mark of 70% or above. A distinction cannot be awarded if a candidate has failed any credit during the course.

7.6 *Module 4: One-Act Play regulations:* Students must submit a play with a reading time of no less than forty five minutes to the deadline of 31 August.

#### *Grade descriptors*

All grade descriptors of the MFA Playwriting strand conform to the grade descriptors of the School of Drama, Film and Music with the exception of Module 4, whose grade descriptors are as follows:

70% or above: a piece of writing achieving an exceptional level of creativity to a professional standard.

60% or above: creative writing achievement that demonstrates a very good level of understanding of the requirements of playwriting (including structure, metaphor, character, image and action). Students at the higher end of this marking band may display elements of the requirements of the higher band but not to the same level or degree of professional achievement.

50% or above: creative writing achievement that demonstrates a satisfactory understanding of the mechanics of playwriting (structure, metaphor, character, image and action) but to a level that could not be considered for professional production.

49% or below (FAIL): A level of achievement that fails to demonstrate a satisfactory understanding of the mechanics of playwriting (structure, metaphor, character, image and action).

7.7 *Course Director:* Professor Brian Singleton

## **8. Master in Laws (LL.M.)**

8.1 *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.

8.2 *Admission Requirements:* As a minimum requirement, candidates for the LL.M degree must hold a good honors law or law-based interdisciplinary Bachelor degree. Assuming that this basic pre-requisite is in place, thereafter admission to the programme is at the discretion of the LL.M. Sub-Committee who will decide on questions of admission having regard to the totality of all application files and the objectives of ensuring a diverse LL.M. class of the highest possible academic calibre.

8.3 *Duration:* The duration of the course is one full-time calendar year.

8.4 *Course Structure:* Candidates are required to take a total of six modules over two semesters (three per semester), each of eleven weeks duration, and carrying 10 ECTS credits, and complete a research dissertation by 28<sup>th</sup> June 2013 of not more than 25,000 words and not more than 75 pages, on an approved theme. The research dissertation carries 30 credits.

The six modules must be chosen from the following list:

	ECTS
Advanced Comparative Law: European Legal Systems	10
Advanced European Union Law	10
Advanced Lawyering Techniques	10
Advocacy in Mediation	10
African Human Rights Law	10
Alternative Dispute Resolution In Ireland	10
Chinese Legal System in Comparative Perspective	10
Comparative Civil Rights	10
Corporate Governance	10

Corporate, White Collar and Regulatory Crime	10
Corruption Law	10
Employment Litigation	10
EU Aviation Law	10
EU Banking and Securities Law	10
EU Competition Law	10
EU Consumer Law	10
EU Environmental Law	10
EU Financial Services Law	10
European Energy Law	10
European Human Rights Law	10
European Intellectual Property Law	10
European and International Tax Law	10
Freedom of Expression	10
Globalisation and the Law	10
International Criminal Law	10
International Dispute Resolution	10
International Economic Law	10
International Family Law	10
International Humanitarian Law	10
International Trade Law	10
Internet Law and Regulation	10
Islamic Law	10
Judicial Activism, Human Rights and the Indian Constitution	10
Judicial Review and Human Rights: Theory and Practice	10
Law and Bioethics	10
Law and Literature	10
Law on the Seizure of Criminal Assets	10
The Legal System of Timor-Leste	10
Principles of Corporate Insolvency and Rescue	10
Public Law of the European Union	10
Theoretical and Comparative Criminal Law	10
Transitional Justice	10
Travellers, Human Rights and the Law	10

The Law School reserves the right to vary the above list and, in particular, the right to withdraw and add modules. Note that timetabling considerations may also restrict choice. More details on course modules are contained in the relevant handbook.

8.5 *Assessment procedure:* The assessment procedure takes place in two stages – first, end of semester examinations in the six modules selected by the student and, second, assessment of the research dissertation which must be submitted by 28th June 2013. 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. The pass mark for all assessments is 40%. In the calculation of overall marks, each module, including the dissertation, is weighted according to its ECTS credit value. In order to obtain the LL.M. degree, a candidate must a) obtain an overall average of at least 40% and b) achieve a mark of at least 40% in the research dissertation and c) not have fallen below 40% in more than one 10-credit module and d) not have fallen below 30% in the failed module. 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 repeat the year on payment of the annual fee and registration.

A distinction may be awarded to candidates who achieve a mark of at least 70% in the dissertation and a mark of at least 68% in the overall unrounded average mark for the taught modules, where modules amounting to at least 30 credits have a mark of 70% or above. A distinction cannot be awarded if a candidate has failed any credit during the course.

8.6 *Course Director:* Professor Neville Cox

## Master in Laws (LL.M. (International and European Business Law))

8.7 *Introduction:* The LL.M. (International and European Business Law) 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.

8.8 *Admission Requirements:* As a minimum requirement, candidates for the LL.M. (International and European Business Law) degree must hold a good honors law or law-based interdisciplinary Bachelor degree. Assuming that this basic pre-requisite is in place, thereafter, admission to the programme is at the discretion of the LL.M. Sub-Committee who will decide on questions of admission having regard to the totality of all application files and the objectives of ensuring a diverse LL.M. class of the highest possible academic calibre.

8.9 *Duration:* The duration of the course is one full-time academic year.

8.10 *Course Structure:* Candidates are required to take a total of six modules, three in each semester, and complete a research dissertation by 28<sup>th</sup> June 2013 of not more than 25,000 words and, not more than 75 pages on an approved theme relating to some aspect of International and/or European business law and approved by the LL.M. Course Director. Each module carries 10 ECTS credits and the research dissertation carries 30 credits.

8.11 *Course Syllabus:* The six modules must be chosen from the following list:

	ECTS
Advanced Comparative Law: European Legal Systems	10
Advanced European Union Law	10
Advocacy in Mediation	10
Alternative Dispute Resolution in Ireland	10
Chinese Legal System in Comparative Perspective	10
Corporate Governance	10
Corporate, White-Collar and Regulatory Crime	10
Employment Litigation	10
EU Aviation Law	10
EU Banking and Securities Law	10
EU Competition Law	10
EU Consumer Law	10
EU Financial Services Law	10
European Energy Law	10
European Intellectual Property Law	10
EU Securities Law	10
EU Sports Business Law	10
European and International Tax Law	10
Globalisation & Law	10
International Dispute Resolution	10
International Economic Law	10
International Trade Law	10
Internet Law and Regulation	10
Islamic Law	10
Law and Bioethics	10
Principles of Corporate Insolvency and Rescue	10
Public Law of the European Union	10

The Law School reserves the right to vary the above list and, in particular, the right to withdraw and add modules. More details are included in the LL.M. course handbook. Note that timetabling considerations may also restrict choice.

8.12 *Assessment Procedure:* The assessment procedure takes place in two stages – first, end of semester examinations in the six modules selected by the student and, second, assessment of the research dissertation which must be submitted by the 28th June 2013. 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. The pass mark for all assessments is 40%. In the calculation of the overall course mark, each module, including the dissertation, is weighted according to its ECTS credit value. In order to obtain the LL.M. (International and European Business Law) degree, a candidate must a) obtain an overall average of at least 40% and b) achieve a mark of at least 40% in the research

dissertation and c) not have fallen below 40% in more than one 10-credit module and d) have a mark of not less than 30% in the failed module. 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 repeat the year on payment of the annual fee and registration.

A distinction may be awarded to candidates who achieve a mark of at least 70% in the dissertation and a mark of at least 68% in the overall unrounded average mark for the taught modules, where modules amounting to at least 30 credits have a mark of 70% or above. A distinction cannot be awarded if a candidate has failed any credit during the course.

8.13 *Course Director:* Professor Neville Cox

### **Master in Laws (LL.M. (International and Comparative Law))**

8.14 *Introduction:* The LL.M. (International and Comparative Law) is directed at well-qualified graduates in law and related disciplines. It seeks to promote critical analysis of, and reflection on, different aspects of international law and comparative law.

8.15 *Admission Requirements:* As a minimum requirement, candidates for the LL.M. (International and Comparative Law) degree must hold a good honors law or law-based interdisciplinary Bachelor degree. Assuming that this basic pre-requisite is in place, thereafter admission to the programme is at the discretion of the LL.M. Sub-Committee who will decide on questions of admission having regard to the totality of all application files and the objectives of ensuring a diverse LLM class of the highest possible academic calibre.

8.16 *Duration:* The duration of the course is one full-time academic year.

8.17 *Course Structure:* Candidates are required to take a total of six modules, three in each semester, and complete a research dissertation by 28<sup>th</sup> June 2013 of not more than 25,000 words and, not more than 75 pages on an approved theme relating to some aspect of international and/or comparative law approved by the LLM Course Director. Each module carries 10 ECTS credits and the research dissertation carries 30 ECTS credits.

8.18 *Course Syllabus:* The six modules must be chosen from the following list:

	ECTS
Advanced Comparative Law: European Legal Systems	10
Advanced European Union Law	10
African Human Rights Law	10
Chinese Legal System in Comparative Perspective	10
Comparative Civil Rights	10
EU Aviation Law	10
EU Environmental Law	10
European Energy Law	10
European Human Rights Law	10
European and International Tax Law	10
Freedom of Expression	10
Globalisation and the Law	10
International Criminal Law	10
International Dispute Resolution	10
International Economic Law	10
International Family Law	10
International Trade Law	10
Internet Law and Regulation	10
Islamic Law	10
Judicial Activism, Human Rights and the Indian Constitution	10
Judicial Review and Human Rights: Theory and Practice	10
Law and Bioethics	10
The Legal System of Timor-Leste	10
Public Law of the European Union	10
Theoretical and Comparative Criminal Law	10
Transitional Justice	10
Travellers, Human Rights and the Law	10

The Law School reserves the right to vary the above list and, in particular, the right to withdraw and add modules. Note that timetabling considerations may also restrict choice. More details on course options are contained in the relevant handbook

8.19 *Assessment Procedure:* The assessment procedure takes place in two stages – first, end of semester examinations in the six modules selected by the student and, second, assessment of the research dissertation which must be submitted by 28th June 2013. 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. The pass mark for all assessments is 40%. In the calculation of overall marks, each module, including the dissertation, is weighted according to its ECTS credit value. In order to obtain the LL.M (International and Comparative Law) degree, a candidate must a) obtain an overall average of at least 40% and b) achieve a mark of at least 40% in the research dissertation and c) not have fallen below 40% in more than one 10-credit module and d) not have fallen below 30% in the failed module. 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 repeat the year on payment of the annual fee and registration.

A distinction may be awarded to candidates who achieve a mark of at least 70% in the dissertation and a mark of at least 68% in the overall unrounded average mark for the taught modules, where modules amounting to at least 30 credits have a mark of 70% or above. A distinction cannot be awarded if a candidate has failed any credit during the course.

8.20 *Course Director:* Professor Neville Cox

## **9. Master in Science in Economics (M.Sc. (Econ)/P.Grad.Dip.)**

9.1 *Introduction:* This course in Economics leads to the award of a Master in Science (Economics) (M.Sc. (Econ)). The objective of the 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.

9.2 *Admission Requirements:* Candidates should normally hold at least an upper second class honors degree that has a significant 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.

9.3 *Duration:* The course can be conducted on a full-time (one year) or a part-time basis (two years). 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 training commences mid-August and the M.Sc. concludes by the following June. The preliminary training in mathematics and statistics is compulsory for both full-time and part-time students and will include assessments aimed at determining the suitability of candidates for the programme.

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

1. An intensive preliminary course in mathematics and statistics in August/September which must be taken by all full-time and part-time candidates.

2. There are three core modules taught in the first semester: Microeconomics I, Macroeconomics I and Econometrics I. Full-time students will be required to take all three modules while part-time students will take Microeconomics I and Macroeconomics I in year one and Econometrics I in year two. Students are assessed on the basis of a continuous assessment component, involving weekly/fortnightly problem sheets and an applied project, and written examinations in the last week of the semester with supplemental exams in late April/early May.

3. There are three core modules taught in the second semester: Microeconomics II, Macroeconomics II and Econometrics II. Full-time students will be required to take all three modules while part-time students will take Microeconomics II and Macroeconomics II in year one and Econometrics II in year two. Students are assessed on

the basis of a continuous assessment component, involving weekly/fortnightly problem sheets and an applied project, and written examinations in the last week of the semester with supplemental exams in late April/early May.

4. Students will attend a Research Topics module throughout both semesters. This module will be attended by part-time students in year two. 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. Students will also present their dissertation progress at these seminars.

5. A research proposal must be submitted by the end of the second semester, year two for part-time students, with the aim of completing a minor dissertation on this topic by June 30th for full-time students and August 31st for part-time students. Dissertations that do not meet the minimum standard required will be subject to either 'minor corrections', in which case students will have two months to revise and re-submit their dissertation, or 'major revisions' where students must register for an additional six month period to undertake revisions and re-submit their dissertation for examination.

9.5 *Assessment:* The preliminary mathematics and statistics module must be completed by all students. Assessment on the M.Sc. register will be based on coursework (both continual assessment and examination performance) and the dissertation. The pass mark is 50%. In the calculation of the overall mark for the course, modules are weighted according to their ECTS credit weighting. Students must achieve an overall mark of at least 50% in each module in order to be permitted to proceed to a dissertation. To qualify for the award of the M.Sc. (Econ.), students must have an overall average mark of at least 50% and achieve a pass mark in the dissertation and in each module. Students who achieve an overall average mark of 70% or above both for the course overall and in the dissertation component will be awarded a Distinction. Students who fail to achieve an average of 50% in each taught module will not be allowed to proceed to the dissertation, but provided that they have passed modules amounting to at least 50 credits and have a mark of no less than 40% in the failed module, will be eligible for the award of a Postgraduate Diploma in Economics. Students who fail the dissertation will not be awarded the M.Sc. but will be eligible for the award of Postgraduate Diploma in Economics. Part-time students must achieve an overall average of 50% in the each module completed in year one in order to progress to year two of the course.

The modules provided and associated credits are as follows:

Microeconomics I	10 ECTS
Macroeconomics I	10 ECTS
Econometrics I	10 ECTS
Microeconomics II	10 ECTS
Macroeconomics II	10 ECTS
Econometrics II	10 ECTS
Research Topics	5 ECTS
Dissertation	25 ECTS

9.6 *Scholarships:* Two scholarships of €5,000 and five scholarships of €1,000 are awarded annually to highly qualified candidates. All candidates for the M.Sc. in Economics are eligible to apply. Candidates are assessed on the basis of their academic record and a 500 word statement on how the M.Sc. in Economics will contribute to the candidate's future career plans. These scholarships are offered subject to the condition that the holder is registered as a full-time student on the M.Sc. in Economics in Trinity College Dublin and must achieve a satisfactory performance in the preliminary mathematics and statistics course in the year of entry to the programme.

9.7 *Course Co-ordinator:* Professor Carol Newman

## 10. Master in Management (M.Sc. (Mgmt.))

10.1 *Introduction:* The Masters in Management suite of programmes is designed to serve the needs of managers and their organisations. The programmes allow managers and organisations to focus on and develop special skills in aspects of the task of understanding organisations and leading change. The programmes extend over a two-year period and detailed information about them is available from the School of Business. A student who has

completed one of these programmes will be eligible for the degree of Master in Science (M.Sc. (Mgmt.)).

- 10.2 *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 from recognised universities or recognised degree granting institutions who, in addition, have experienced at least three years of employment
  - 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
  - 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.

10.3 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.

10.4 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.))**

*There is no intake in 2012/13*

10.5 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.

The programme comprises twelve modules and a Company Project, as follows:

	ECTS
1. Introduction to Strategic Management	5
2. Organisation Behaviour	5
3. Organisation Theory	5
4. Economics	5
5. Marketing Management	5
6. Financial Analysis	5
7. Operation and Information Technology	5
8 Human Resource Management	5
9. Managing Organisational Change	5
10. Managing Strategic Change	5
11. Context and Change Management	5
12. Entrepreneurship	5
13. Company Project	30

The Business School reserves the right to vary the above list and, in particular, the right to withdraw modules.

To complete the course a student must

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

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

*There is no intake in 2012/13*

10.6 This programme, which is offered by The School of Business in collaboration with

Enterprise Ireland, is intended for senior managers and high potential candidates in the small and medium sized business sector (SME). The programme, which has a strong focus on strategy and execution, will support the growth of these businesses in international markets with a particular emphasis on enhancing their capability in the field of strategic sales and marketing.

The programme comprises twelve modules and an Integrating Project, as follows:

	ECTS
1. Customer and Buyer Behaviour	5
2. International Strategy	5
3. International Business	5
4. Global Marketing	5
5. Market Entry Decision Making	5
6. Information Technology	5
7. Distribution in International Markets	5
8. Managing International Sales	5
9. Managing New Product Development	5
10. Managing Strategic Change	5
11. Strategic Leadership	5
12. Managing High-tech Products and Services	5
13. Integrating Project	30

The Business School reserves the right to vary the above list and, in particular, the right to withdraw modules.

To successfully complete the programme students must

- (a) satisfy the teaching staff and examiners on course work and continuous assessment during each module of the programme
- (b) satisfy the examiners in assignment examinations after each module
- (c) satisfactorily complete an integrating project which is submitted as a dissertation at the end of the second year of the course.

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

*There is no intake in 2012/13*

10.7 The management practice programme is intended for senior practising managers, the course of study being directly related to their work.

The programme comprises twelve modules and a Company Project, as follows:

	ECTS
1. Strategy	5
2. Organisational Behaviour	5
3. Organisational Design	5
4. Finance	5
5. IT Strategy	5
6. Management of Change	5
7. Operations Management	5
8. Human Resource Management	5
9. Marketing Management	5
10. Learning and Research	5
11. Product Development/Innovation	5
12. Personal and Professional Development	5
13. Company Project	30

The Business School reserves the right to vary the above list and, in particular, the right to withdraw modules.

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.))**

*There is no intake in 2012/13*

10.8 The organisation behaviour programme comprises lectures and class work covering applications of social sciences relevant to the understanding of behaviour within organisations.

The programme comprises twelve modules and a dissertation, as follows:

	ECTS
1. Organisational Behaviour I	5
2. Organisational Theory, Design and Analysis	5
3. Organisational Behaviour II	5
4. Strategic Management	5
5. Statistics for the Behavioural Sciences	5
6. Research Methods	5
7. Advanced Organisational Behaviour	5
8 Human Resource Management	5
9. Organisation Design and Change	5
10. Negotiation Skills	5
11. Sociology	5
12. Career Development	5
13. Dissertation	30

The Business School reserves the right to vary the above list and, in particular, the right to withdraw modules.

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.))**

*There is no intake in 2012/13*

10.9 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 the following modules:

	ECTS
1. Public Management Analysis	5
2. Strategic Management	5
3. Organisation Theory and Design	5
4. World Economy	5
5. Organisation Behaviour	5
6. Human Resource Management	5
7. Financial Management	5
8. Managing Information Technology	5
9. Change Management	5
10. Leading Change	5
11. Delivering Service Operations	5
12. Communications and Public Affairs	5
13. Strategic Renewal	5
14. Implications of CPMR Research for CS	5
15. Practitioner classes	5
16. Group Project	15

The Business School reserves the right to vary the above list and, in particular, the right to withdraw modules.

- 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.

## **11. Master in Social Work (M.S.W./P.Grad.Dip.)**

**11.1 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. Successful completion of the course leads to the award of Master in Social Work or Postgraduate Diploma in Social Work. Those who successfully complete the Master in Social Work or Postgraduate Diploma in Social Work will be eligible to apply to register as a professionally qualified social worker with the Health and Social Care Professionals Council (CORU). 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.

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

- a) An honors Bachelor degree in social science (2.1 standard 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. Candidates who have not achieved a 2.1 standard or higher in their primary degree 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 for the consideration of the Selection Committee.

Prior to acceptance on the course, candidates will be required to demonstrate a minimum of six months practice experience full time or equivalent. Practice experience will be judged on the basis of its quality and relevance 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.

**11.3 Application Process:** Selection for the places available on this course will be made on the basis of written applications, references and interviews. In addition to the College online application form, a separate School of Social Work and Social Policy application form must be completed. Two references must 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. Relatives may not act as referees. Students register on the Masters programme in the first instance.

**11.4 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.

The M.S.W. carries 135 ECTS credits and consists of the following modules:

Year 1 – 60 ECTS

1. Social Work Theory for Practice	10 ECTS
2. Child and Family Studies	5 ECTS
3. Social Work Practice	30 ECTS
4. Social Work Policy, Critical Theory and Research	15 ECTS

Year 2 – 75 ECTS

1. Social Work in Diverse Settings	10 ECTS
2. Social Work Practice and Practice Perspectives	35 ECTS
3. Research Dissertation	30 ECTS or
4. PG Diploma Assignment	15 ECTS

11.5 *Assessment:* Students in the first instance register for the Master in Social Work course. All modules are weighted in the calculation of the overall degree result according to their ECTS credit weighting. The pass mark for written work 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 minimum mark of 50% in all written work in each year of the course. Students who pass all modules in year one but who do not achieve the minimum mark of 50% in each module, may apply to proceed to the second year of the course on the Postgraduate Diploma register.

All written work must be submitted in order to fulfil the requirements of the course. All modules, including all component Fieldwork placements, must be passed for students to proceed from Year One to Year Two and there is no compensation between modules.

11.6 *Research Dissertation:* During Year Two, students complete either a dissertation (of 15,000 words) for submission for the award of Master in Social Work, or a Personal Framework for Practice (of 8,000 words) for submission for the award of Postgraduate Diploma in Social Work. These assignments must be examined and receive a passing mark in order for the relevant academic qualification to be awarded. Students will be permitted one opportunity to re-submit their dissertation. If a student does not receive a Pass mark in a re-submitted dissertation they may apply to the Course committee for permission to submit a Personal Framework for Practice for consideration for the lesser award of Postgraduate Diploma in Social Work.

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

11.7 *Fieldwork Information:* Students will be required to undertake at least two fieldwork placements over the two years totalling 1,000 hours 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.

11.8 *Final Award:* The Master in Social Work may be awarded at two levels (i) Pass and (ii) Pass with Distinction. The award of a Pass with Distinction shall require the achievement of a minimum mark of 70% for both the dissertation and the Year 2 Practice Project, in addition to an overall average mark for the course of 70% or over.

The award of a Pass with Distinction in the Postgraduate Diploma in Social Work shall require the achievement of a minimum mark of 70% for both the personal framework for practice and the Year 2 Practice Project, in addition to an overall average mark for the course of 70% or above.

11.9 *Course Director:* Professor Stephanie Holt

## 12. Master in Theological Studies (M.Th.)

12.1 *Introduction:* The M.Th. offers a distinctive learning experience based on the integration of the fields of theology, biblical studies and Christian practice. Students will engage critically with the intellectual challenges of ministry through the study of key themes in biblical, theological and ministerial studies. The programme is thus framed around a clear interaction between both theory and practice and across a variety of areas of ministerial formation. The M.Th. aims to maintain a rigorous academic core whilst also broadening the scope of content and assessment to include professional application.

12.2 *Admission Requirements:* All candidates will be required to successfully complete the Foundation Course. In addition candidates will have either:

- an honors degree in theology or another discipline
- an appropriate qualification and at least 3 years ministerial experience or equivalent professional experience
- otherwise satisfy the Course Admissions Committee that they have the ability to complete and benefit from the course.

Candidates will apply in the first instance to the Church of Ireland Theological Institute and applications will be considered by a joint Course Admissions Committee.

12.3 *Duration:* Three years residential Mode A, six years distance-learning Mode B

12.4 *Course Structure:* Students are required to take 80 ECTS from the taught modules, 70 of which are core, 10 of which are elective.

Students taking the course according to Mode A will take modules amounting to 40 credits in each of the first and second years, and in the third year will prepare a Ministry Portfolio (10 credits) and a research dissertation (30 credits). Students taking the course according to Mode B will take modules amounting to 20 credits in each of the first four years, and the final two years will be devoted to the Ministry Portfolio and dissertation.

The taught modules are:

Core modules:

*The Bible and its Interpretation:*

Texts and Communities in Context - Old Testament/ Hebrew Bible	5 ECTS
Texts and Communities in Context - New Testament	5 ECTS
Communities of Interpretation - To the Enlightenment Period	5 ECTS
Communities of Interpretation - In the Modern Period and in the Church Today	5 ECTS

*Theological Reflection and Christian Identity:*

Christian Thinking About God	5 ECTS
Jesus the Christ	5 ECTS
Cosmology, Anthropology and the Church	5 ECTS
Theology and Ethics	5 ECTS

*Christian Practice in Church and Society:*

Mission, Culture and Social Context	5 ECTS
Pastoral Studies	5 ECTS
Liturgy, Worship and Spirituality	5 ECTS
Anglican Studies in an Irish Context	5 ECTS
Church Leadership Practice and Practicalities	10 ECTS

Elective Modules:

Students take one of three elective modules

Music and Worship	10 ECTS
Faith, Nurture and Christian Education	10 ECTS
Ministry for Reconciliation	10 ECTS
Church History	10 ECTS
Developing New Communities of Faith	10 ECTS

12.5 *Assessment:* Each 5 ECTS module is assessed through coursework of 2,500 words. Each 10 ECTS module is assessed through coursework of 5,000 words. In the third year students are also required to complete a Ministry Portfolio and a dissertation of 18,000 –

20,000 words. A viva voce examination forms part of the assessment for both the Ministry Portfolio and the Dissertation modules. Modules in the distance-learning Mode B may contain additional smaller assessments of up to 20% of the overall coursework mark at the discretion of the module leader.

The pass mark for each module is 40%. Assessed work which does not attain the pass mark can be re-submitted, but only in modules accounting for up to a maximum of 10 ECTS credits in each year, and only prior to the annual Court of Examiners. If, after re-submission, a student fails one 5 ECTS module in either year one or two, they may compensate for this failure provided that their overall (cumulative) mark for the year is the equivalent of at least 40%, and that the failed module has been marked at least 30-39%. Students are required to pass each year before progression to the following year.

The assessed work of students in the distance-learning Mode B will normally be examined after completion of 40 ECTS modules (i.e. after the end of Year 2). In this pathway assessed work which does not attain the pass mark can be re-submitted (up to a maximum of 10 ECTS in each two-year cycle), but only prior to the relevant Court of Examiners. If, after re-submission, a student fails one 5 ECTS module in any two year cycle, they may compensate for this failure provided that their overall (cumulative) mark for those two years is the equivalent of at least 40%, and that the failed module has been marked at least 30-39%. Not all modules are necessarily offered in each year. Alternative modules may be offered.

Students must achieve a mark of at least 50% in individual taught modules totalling 40 ECTS, and at least 40% in other taught modules totalling 40 ECTS in order to proceed to dissertation, and must receive a mark of at least 40% in the dissertation to be eligible for the degree of M.Th.

The M.Th. degree with distinction may be awarded to candidates who achieve a mark of 70% or above in the dissertation and an overall average minimum mark of 68% for the taught modules where modules amounting to not less than have a final mark of 70% or above (of these modules, there must be at least one from each of the three core strands – biblical, theological, practical). A distinction cannot be awarded if a candidate has failed any module during the period of study.

Students who do not choose to proceed to the dissertation stage, or who fail to achieve a pass mark in the dissertation, may be awarded a Postgraduate Diploma in Theological Studies without further assessment provided that they have achieved an overall credit-weighted average mark of at least 40% on taught modules totalling 80 ECTS and achieve at least 40% in individual modules amounting to 60 credits and have a mark of at least 30% in remaining modules. Students who have achieved an overall average mark of at least 68% and who have a mark of at least 70% in individual modules amounting to at least 40 credits will be eligible for the award of Postgraduate Diploma with Distinction. A Postgraduate Diploma with Distinction cannot be awarded if a candidate has failed any module during the period of study.

12.6 *Course Co-ordinator:* Rev. Dr Maurice Elliott, Director, Church of Ireland Theological Institute

### **13. Master of Studies (M.St.) in School Leadership and Educational Studies**

*The last intake for this course was 2009/10 and 2012/13 is the final opportunity to complete this programme.*

*Students enrolled on the previous CPD/MSt programme will complete the one-year "M.Ed. thesis year only" programme under the regulations of the M.Ed.*

13.1 *Introduction:* The M.St. degree course is designed to enhance the theoretical and practical expertise of practitioners in relevant educational and leadership areas. The requirements of the M.St. degree will be:

1. submission of a satisfactory research proposal
2. completion of Continuing Professional Development Postgraduate Diploma or equivalent qualification from another institution which is deemed appropriate by the Co-ordinating Committee
3. a dissertation of 20,000-25,000 words on a topic appropriate to the degree being sought.

13.2 *Aims:* The aims of the Masters degree is 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.

13.3 *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 Continuing Professional Development Postgraduate Diploma obtaining the minimum pass at 2:2 level. All students are required to submit a research proposal. 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.

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

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

1. Satisfy the examiners with regard to any tests, assignments and examinations prescribed.
2. Prepare a satisfactory research proposal.
3. Satisfactorily complete a research dissertation.

The required dissertation on the research topic will be both internally and externally assessed according to college criteria. This dissertation is worth 90 ECTS.

13.6 *Course Co-ordinator:* Professor Carmel O'Sullivan

## **M.Sc. (St.) Courses**

### **14. Alcohol and Drug Interventions (M.Sc./P.Grad.Dip)**

*There is no intake in 2012/13*

14.1 *Introduction:* The M.Sc. in Alcohol and Drug Interventions offers students from a range of professional backgrounds the opportunity to acquire practice, skills, knowledge base and continuing professional development in alcohol and drug intervention skills at an advanced level. It is a two-year part-time taught course with a fieldwork or work based placement.

14.2 *Admission Requirements:* The programme is aimed primarily at upgrading the knowledge and skills of candidates who already have a basic education or training in a relevant field. Admission to the M.Sc. programme is based on a competitive selection procedure.

Candidates will normally be expected to have:

- A recognised professional qualification in either health or social care or another human service field (whether or not this qualification is linked to a primary degree), or a non-professional primary degree of at least 2.1 standard
- and
- At least two years experience of working directly with problem drinkers or drug users in any type of health or social service setting.

Candidates who do not satisfy these academic criteria may be accepted to the course, subject to the approval of the Dean of Graduate Studies and if the Admissions Subcommittee is satisfied that they have the ability to complete the course and are well placed to make use of it. Therefore there will be recognition of prior learning, both certified and experiential learning. All candidates will be asked to present a portfolio of their work (including, for example, written

work, evidence of attendance at courses or conferences) for the consideration of the Admissions Subcommittee. Following online application, applicants will be shortlisted for interview. Students will be required to undergo Garda Vetting as this is normally required by placement and employing agencies.

14.3 *Duration:* The course is offered on a part-time basis and is of two years duration.

14.4 *Course Structure:* The M.Sc. in Alcohol and Drug Interventions attracts 90 ECTS (Year 1 – 60 ECTS; Year 2 – 30 ECTS).

Year 1 of this programme consists of six modules as listed below, taught over eight course weeks, with the teaching provided over four days a month running from September through April.

Module 1:	Drug and Alcohol Counselling and Intervention Skills (10 ECTS)
Module 2:	Treatment Systems and Policy Contexts (10 ECTS)
Module 3:	Contemporary Issues (10 ECTS)
Module 4:	Fieldwork Practice (20 ECTS)
Module 5:	Reflective Practice and Supervision (5 ECTS)
Module 6:	Research Methods: An Introduction (5 ECTS)

Fieldwork Practice Placements must amount to the equivalent of 400 hours either during the academic year or in block during the summer at the end of Year 1.

Year 2 consists of two research-focused modules between September and December, followed by a reduced teaching load (two days per month between January and April) leading to the completion of a research dissertation.

Module 7:	Research Methods and Proposal (5 ECTS)
Module 8:	Fieldwork and Dissertation (25 ECTS)

14.5 *Dissertation:* The major piece of assessed work for this programme is a research dissertation (18,000 -20,000 words in length) which must be submitted for the end of April of Year 2. Students will be assigned individual supervisors for this project.

14.6 *Assessment:* Throughout the two year M.Sc. course, students will be assessed by coursework, including five written assignments, a presentation, a Reflective Log and a Practice Placement (Year 1) and a research proposal and dissertation (Year 2). To complete Year 1 successfully and proceed to Year 2, each candidate must satisfy the examiners by achieving a pass mark (50%) on all written assignments and a PASS mark separately on the Practice Placement and Reflective Log. Students who fail to reach a pass mark on any given assignment, including the Reflective Log, will be allowed to resubmit it ONCE by an appointed date but such resubmitted work will only be marked up to 50%.

A Placement Report detailing the work of the student will be completed by the fieldwork or workplace supervisor, following meeting and discussion with the College-based supervisor, that is, the Course Director or his/her representative. Following the submission of the Reflective Log and the Practice Teacher's Placement Report, a Placement Review Committee consisting of the Course Director, one Module Co-ordinator and one representative of the agencies offering placements will read the Placement Report, read and mark the Reflective Log as PASS/FAIL and determine whether or not the student's overall performance on placement has been satisfactory, i.e. a PASS. Students who fail their fieldwork/work-based placement but whose performance is otherwise satisfactory may, at the discretion of the Court of Examiners, be permitted to do another placement ONCE by an appointed date.

Students who successfully complete Year 1 but who do not wish to proceed to Year 2 may be offered the option to exit and will be awarded the Postgraduate Diploma in Alcohol and Drug Interventions.

The award of Postgraduate Diploma in Alcohol and Drug Interventions with Distinction will be made to any student who wishes to exit and who achieves a mark of 70% or higher in all of the five written assignments and a PASS in the Reflective Log and their Practice Placement without failing any assignment and any module in year 1.

To complete the M.Sc. course successfully in year 2 of the course and be awarded

the degree of M.Sc. in Alcohol and Drug Interventions, each candidate must satisfy the examiners by achieving at least a pass mark (50%) on the two written assignments – the research proposal and the research dissertation. Students who fail to reach a Pass mark on the research proposal will be allowed to resubmit it ONCE by an appointed date but such resubmitted work will only be marked up to 50%. To satisfactorily complete a dissertation, students must submit their dissertation by end of April of Year 2 and must obtain a passing mark of 50% in their dissertation. Students who fail to reach a Pass mark on the dissertation may, at the discretion of the Court of Examiners, resubmit the dissertation ONCE by an appointed date but such resubmitted work will only be marked up to 50%.

Students who successfully complete Year 2 are eligible for the award of M.Sc. in Alcohol and Drug Interventions. Students in Year 2 who do not submit a dissertation or who do not satisfactorily complete their dissertation will be eligible for the award of a Postgraduate Diploma in Alcohol and Drug Interventions.

The award of M.Sc. in Alcohol and Drug Interventions with Distinction will be made to any student who achieves a mark of 70% or higher for the dissertation and who has achieved 2.1 marks (i.e. 60-69%) for all the other written assignments (Year 1 and Year 2), and a PASS in the Reflective Log and their Practice Placement (Year 1) without failing any assignment and any module in Year 1 or Year 2.

A selection of all assessments and the dissertations will be subject to an external review.

## **15. Applied Behaviour Analysis (M.Sc.)**

**15.1 Introduction:** The M.Sc. in Applied Behaviour Analysis is a postgraduate course open to those with an honors Bachelor degree in psychology or a health-related field (such as Speech and Language Therapy, Social Care, Education, Nursing etc) and a Diploma in Applied Behaviour Analysis, (or coursework equivalent). The course provides advanced theoretical, ethical, practical, and research modules in ABA and requires the submission of a research dissertation. The aim is to ensure that students become proficient to a high degree 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 emphasis of this course is on clinical practice.

Students on the course are required to work or volunteer in a placement that allows them to engage in behaviour analytic practice. Acceptable placements include, but are not limited to, ABA schools, primary schools, the Health Service Executive, or other human service settings. Students are required to secure placement prior to applying to the course. All fieldwork must be supervised by a course approved Board Certified Behaviour Analyst (BCBA). Supervision costs are separate and are not included with the tuition. 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.

**15.2 Admission Requirements:** Applicants will be required to hold at least an upper second class honors Bachelor degree in psychology or a health-related field from a recognised university course, and a Diploma in ABA (or equivalent). Applicants will be required to submit an academic transcript of their qualifications to date. The selection process may also require attendance at interview and the submission of a written piece of work.

**15.3 Duration:** The M.Sc. in ABA is one-year full-time. This is an intensive course. Formal classes run from late September to late May and are normally held one day every week and occasional evenings, including some weekends. Additionally, students meet with their supervisor for individual supervision for 1-2 hours every other week from October to September. Dissertation research is initiated during the academic year and continued and finalised during the summer months.

Modules: The M.Sc. in ABA course is comprised of six modules and a research dissertation, and carries a total of 90 ECTS credits:

1. Advanced research and data analysis methods in ABA I	10
2. Conceptual issues in ABA	10
3. Research dissertation proposal	5
4. Special topics in ABA* (4 topics of 5 credits each)	20
5. Supervised research and practice	15
6. Research dissertation	30

\*Special topics may include *Precision Teaching, ABA in Multidisciplinary teams, Theoretical Approaches in Behaviour Analysis*. These topics may vary according to staff availability. Details of which modules students must complete will be published in the course handbook.

15.4 *Assessment*: Students undergo a series of assessments, including essays, literature reviews, written behaviour support plans and research studies throughout the duration of the course, culminating in a 10,000 (minimum) word research dissertation. All modules, including the dissertation, are graded on a pass/distinction/fail basis. Students must pass all modules.

Those candidates who pass all modules as listed above, and obtain a pass grade in the dissertation, and perform at a satisfactory level in all components of the course as specified in the course outline, will be eligible for the award of M.Sc. in Applied Behaviour Analysis. A distinction will be awarded to candidates who achieve a distinction in the dissertation, and achieve a distinction in individual modules amounting to at least 30 credits, and pass all remaining modules.

15.5 *Course Director*: Professor Maeve Bracken

## 16. Applied Psychology (M.Sc.)

16.1 *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.

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

16.3 *Duration*: The course is one year full time.

16.4 *Course Structure*: The following two core modules are compulsory and will be offered every year:

- Philosophical and professional issues in applied psychology (10 ECTS)
- Research Methodology and Statistics (10 ECTS)

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 annually (subject to staff availability, timetabling constraints and demand). The following is an example of the range of modules that has been offered:

	ECTS
• Introduction to psychometrics	10
• ABA Definitions, characteristics and basic principles	10
• Counselling Skills	10
• Health Psychology	10
• Issues in child and adolescent clinical psychology	10
• Issues in adult clinical psychology	10
• Issues in clinical psychology and intellectual disability	10
• From Theory to Application	10

In addition all students will be required to submit a dissertation based on an empirical investigation of a topic in applied psychology (30 ECTS).

16.5 *Assessment:* Candidates shall be assessed throughout the course by written examination, coursework, a combination of examination and coursework, and 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. All modules, including the dissertation, are graded on a pass/distinction/fail basis. Where a module involves more than one assessment all items of assessment must be passed. Candidates are expected to pass all taught modules and the dissertation. However, failure in one taught module (up to 10 credits) may be permitted provided the student has passed all other modules and the dissertation. 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 grade in the failed module will be replaced by a pass 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.

A distinction will be awarded to candidates who achieve a distinction in the dissertation, and achieve a distinction in individual modules amounting to at least 30 credits, and pass all remaining modules. A distinction cannot be awarded if a candidate has failed any credit during the course.

16.6 *Course Director:* Professor Tim Trimble

## 17. Applied Social Research (M.Sc./P.Grad.Dip)

17.1 *Introduction:* This is a taught Masters course which can be completed on a one-year full-time or two-year part-time basis. It is designed for graduates in the social sciences who wish to develop their research skills and gain employment in the area of research. The course also provides a strong foundation for further post-graduate study, particularly for PhD research. Using a combination of lectures, workshops and practical assignments, this M.Sc. course trains graduates to:

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 course aims to equip students with practical and analytic skills in quantitative and qualitative research. A core focus of the course is on building a comprehensive suite of skills that can be applied to the social research context. This is achieved through training in devising, conducting, analysing and communicating research. Graduates of the M.Sc. in Applied Social Research are typically employed in a variety of organisations, including Government Departments, semi-state agencies, private corporations and companies, and private and public research institutes and consultancies. Others go on to complete further post-graduate study.

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

17.3 *Duration:* One year full-time or two years part-time.

17.4 *Course Structure:* The M.Sc. course consists of three integrated modules, covering qualitative research methods, quantitative research methods, and research design, accessing resources and research ethics. Students also complete an eight-week work placement (during year one for full-time students, and year two, for part-time students) where they get the opportunity to work alongside experienced researchers/research teams within their host institutions. A 20,000 word research dissertation is submitted by all students at the end of August (of year one for full-time, and year two, for part-time students).

17.5 *Assessment:* The pass mark for all written assignments and the dissertation is 50%. Students must pass all three modules (qualitative research methods, quantitative research

methods, and research design, accessing resources and research ethics) in order to proceed to the dissertation. There is no compensation between these modules. Students who do not pass will be permitted one opportunity to re-submit written work and the maximum mark that can be awarded for such re-submitted work is 50%.

In order to qualify for the award of the M.Sc. in Applied Social Research, students must pass all modules, satisfactorily complete a work placement, and achieve a mark of at least 50% in the dissertation. A distinction may be awarded to students who achieve a mark of 70% or above in the dissertation and have an overall average mark of at least 70%.

Students who have passed all modules and satisfactorily completed the work placement, but do not proceed to, or fail, the dissertation may be awarded the Postgraduate Diploma in Applied Social Research. The Postgraduate Diploma with distinction may be awarded to candidates who, in addition, achieve an overall average mark of 70% or above.

The M.Sc. carries 90 ECTS credits and consists of the following modules:

1. Qualitative Research Methods	20 ECTS
2. Quantitative Research Methods	20 ECTS
3. Research Design, Accessing Resources and Research Ethics	10 ECTS
4. Work Placement	10 ECTS
5. Research Dissertation	30 ECTS

The Postgraduate Diploma carries 60 ECTS credits and the associated modules are as follows:

1. Qualitative Research Methods	20 ECTS
2. Quantitative Research Methods	20 ECTS
3. Research Design, Accessing Resources and Research Ethics	10 ECTS
4. Work Placement	10 ECTS

1. **Qualitative Research Methods:** This module aims to impart a thorough understanding of qualitative research methodology and to help students develop the skills and competencies in the conduct of qualitative research. The module covers a wide range of theoretical and methodological issues. A series of lectures critically examine several data collection methods including the qualitative interview, focus groups, fieldwork and observation, ethnography and mixed methods research. These lectures also cover the design of qualitative research instruments. A strong emphasis is placed on the individual interview, which is the most commonly used data collection method within qualitative research. Students also receive practical guidance on how to set up and manage a qualitative research project, turn data into meaningful findings and write up qualitative research for a range of audiences. Issues such as project planning and administration, sampling, access negotiation and ethical issues in qualitative research are covered, as are qualitative evaluation methods. The module runs over two semesters and is delivered through a combination of lectures and workshops. Students are assessed on the basis of a qualitative group research project.

2. **Quantitative Research Methods.** This module is divided into two components: (i) Applied Social Statistics and (ii) Survey Design:

Applied Social Statistics aims to give the student a broad view of the wide variety of statistical tools available to the social researcher and what they are used for. There is a strong emphasis on providing students with the statistical grounding required to develop skills in more specialised analytic approaches. There is also a great deal of attention paid to the practical process of statistical decision making and to teaching students to become confident and independent in deciding what statistical techniques to use for any given task. This component of the module is delivered in two parts:

- 1: Describing Samples and Populations
- 2: Modelling outcomes with the General Linear Model

All procedures are demonstrated through the use of the statistical package SPSS which is taught over two semesters. Direct assessment is based on individual secondary analysis assignments and multiple choice tests. The Survey Design component introduces students to the practical aspects of conducting social surveys, including the formulation of testable hypotheses, questionnaire design, sampling, administrative procedures and reporting of results. Factor Analysis and Item response theory are also introduced. This component of the module runs for one semester and assessment consists of an individual, independent survey project.

3. (i) Research Design (ii) Accessing Resources and (iii) Research Ethics:

The research design component introduces students to key designs: cross sectional, longitudinal, experiments, case studies and evaluations. The factors which influence research design are examined within an applied social research context.

The accessing resources component equips students with the skills necessary to access relevant bibliographic resources. Students are trained to plan literature searches and access appropriate material from both national and international sources. They are shown how to use computerised resources including bibliographic databases, electronic journals and internet (websites, search engines and portals). They are also taught advanced use of the internet, including customising search engines and using RSS feeds.

The research ethics component introduces key features of good ethical research practices. It includes access negotiation, informed consent, confidentiality, research integrity, and intellectual property; special issues relating to sensitive research topics and the challenges of doing research with the special groups (e.g. disabled, children etc.) are also reviewed. Each student has to complete an ethical application form for their dissertation which is submitted to the School's Research Ethics Committee.

This module is assessed based on two written assignments: the first is a critical research review and the second, a research proposal.

4. **Work Placement:** Students spend eight weeks on a work placement where they have the opportunity to apply their skills in a research environment. Students are offered placement opportunities with a range of the most reputable Irish research institutes and consultancies, government departments, semi-state agencies as well as various trade and professional organisations. Students already in relevant employment can complete their work placement in that setting. Exemptions from the work placement may be granted at the discretion of the Course Director in exceptional cases.

5. **Research Dissertation:** As part of their degree assignments, students conduct an applied research dissertation. This is an essential component of the degree. This applied research project is initiated following the completion of all module assignments (during year one in the case of full-time students and year two for part-time students) and is completed over the summer months. The dissertation must demonstrate the ability to complete an applied research assignment from the initial stages of accessing data to the presentation of a final report. It must include a complete review of selected literature, document the research design and strategy used, and discuss any difficulties encountered during the course of conducting the research. The data collected for the research will be analysed using, as required, appropriate computer packages. The dissertation will be a maximum length of 20,000 words and it will be supervised by a member of academic staff

17.6 *Course Director:* Professor Paula Mayock

## **18. Business and Management (M.Sc./P.Grad.Dip.)**

18.1 *Introduction:* This course is designed for students who have not previously taken an undergraduate degree in business or cognate disciplines.

18.2 *Aim:* The aim of the course is to equip non-business graduates from a wide variety of backgrounds with a solid understanding and general skill-set in business and management which will allow them to integrate easily and make meaningful contributions to organisations in business as well as public and not-for-profit contexts.

18.3 *Admission Requirements:* Applications for admission are accepted from 1) graduates of the University of Dublin with a first or upper-second class moderatorship or with first or upper-second class honors in a degree course that does not include significant business and management elements; 2) graduates of recognised universities with first or upper second class honors degrees that have not included significant business or management elements; 3) holders of professional qualifications from recognised institutions that have not taken any significant third-level business or management courses and who the selection committee deems to be able to benefit from the course and to complete the course successfully. Candidates without appropriate third-level degrees will generally be expected to submit evidence (for example a GMAT score) that provides clear indication of their suitability for the

course. Admission recommendations for applicants not covered by 1 – 3 above will be made by the appropriate admissions committee on a case-by-case basis on foot of the available evidence for consideration by the Dean of Graduate Studies.

18.4 *Duration:* The course will be offered on a one-year full-time basis.

18.5 *Course structure:* The course will incorporate both taught and research components. Students will undertake a significant independent research project that will be submitted in the form of a dissertation.

18.6 *Assessment:* To be eligible for the award of the M.Sc. in Business and Management, students must, within the period of registration, pass a prescribed set of taught modules and satisfactorily complete a dissertation on a topic approved by the Course Director. The taught modules are typically assessed by a combination of a formal written examination and by graded coursework and assignments.

All students must take the following nine core taught modules which focus on developing the capability and capacity to operate effectively across a range of core and support business and organisational functions:

1. Financial Analysis
2. The social and non-market environment of business
3. Contemporary IT and Business Analytics
4. Financial Management
5. Human Resource Management
6. Management and Organisational Behaviour
7. Managing Services and Operations
8. Marketing Management
9. Strategic Management

Students must also take an additional three elective taught modules which serve to further expand their capability and capacity to address a range of themes that tend to cut across core and support business and organisational functions. Electives to be offered in a given year are found in the course handbook. Examples of planned elective taught modules include:

10. (Code to be allocated) Entrepreneurship
11. BU7504 International Financial Statement Analysis
12. BU7502 International Finance
13. BU7543 International Marketing
14. BU7554 Global Supply Chain Management
15. BU7546 Cross-Cultural Management and HR
16. BU7550 Social Entrepreneurship
17. BU7545 Management of International NGOs
18. BU7548 Ethics, Business and Society
19. BU7542 International Residency Week (extra fees apply)

The School of Business reserves the right to vary the above list and, in particular, the right to withdraw, amend or replace modules. Modules which are chosen by fewer than a specified minimum number of students will not be run. Availability of elective modules may be dependent on timetabling, and not all combinations of modules may be possible. Modules, their ordering and whether they are mandatory or optional may change from year to year.

Each taught module is worth 5 ECTS with a research project (dissertation) worth 30 ECTS. Students are required to pass a full-complement of modules, including a research project (dissertation), to the value of 90 ECTS to be eligible for the award of the M.Sc. degree. Students who pass all taught modules to the value of 60 ECTS will be eligible for the award of a PG Diploma. To pass a taught module, students must satisfactorily complete any associated practical work for that module, and obtain an average mark of 50% or better for all assessment elements of the module. Students who fail a module will need to sit a repeat examination. Students are allowed to resit examinations in not more than three taught modules to remain eligible for the award of the M.Sc. degree. Therefore, students who fail more than three but less than six of the taught modules will be allowed to resit the relevant examinations but will not be allowed to progress to the research project (dissertation) module and will – if ultimately successful on the taught modules – be eligible for a PG Diploma only.

Such students will not be permitted at a later stage to complete the M.Sc. in Business and Management.

Students who fail six or more taught modules overall, and/or fail more than half of the modules attempted in any given semester will be required to withdraw from the course. Similarly, any student who fails a repeat examination will be required to withdraw from the course. Detailed regulations covering successful progression through the course including the conventions for repeat examinations are found in the Course handbook for the current academic year.

To pass the dissertation module, students must submit their dissertation by the prescribed date and must obtain an overall weighted average mark of 50% for all dissertation grading elements specified in the dissertation module outline and at least a mark of 40% for the final dissertation submission. As part of the Court of Examiners the external examiner monitors assessment processes and moderates all module marks.

Students who achieve a mark of 70% or above for their dissertation, who have passed all their modules without repeat exams, and who achieve a credit-weighted overall average mark of 70% or above on all taught modules are eligible for the award of the M.Sc. degree with distinction.

Students that have passed all relevant coursework in accordance with the course regulations but who do not want to complete the dissertation can opt to exit the Masters course with a Postgraduate Diploma in Business and Management. To voluntarily avail of this option they must inform the Course Director in writing within four weeks of the date at which the results of the last regular module exams for the academic year are published. Students who choose this option and who have achieved a credit-weighted average mark of 70% or above on all taught modules are eligible for the award of the PG Diploma with distinction if they have not repeated any examinations that form part of their results.

Students who fail the dissertation will not be eligible for the award of the M.Sc., but will be eligible for the award of a Postgraduate Diploma in Business and Management. The Diploma cannot be awarded with distinction if the dissertation has been failed.

The School of Business reserves the right to amend the list of modules offered in each year without prior notice. Students may also be given the option of completing an International Residency Week (IRW) as one of their elective taught module options at a partner institution overseas for an additional fee. As the IRW is part of the M.Sc. in International Management, the final choice of location will be determined by the relevant course director.

18.7 *Course Directors:* Professor Denise Crossan and Professor Padraic Regan

## **19. Child Protection and Welfare (P.Grad.Dip./M.Sc.)**

19.1 *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 1<sup>st</sup> August. Candidates whose proposals are accepted will receive confirmation of this from the Course Co-ordinator by 1<sup>st</sup> 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.

19.2 *Course Structure:* Year two 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 two. The precise date will be announced each year.

Overall, the M.Sc. is worth 90 ECTS and consists of the following modules:

Year One (60 ECTS):

1. Child Protection Perspectives and Practices	10 ECTS
2. Interventions with Children and Families	10 ECTS
3. Law	5 ECTS
4. Contemporary Issues	10 ECTS
5. Child Development	5 ECTS
6. Research Methods	20 ECTS
Year Two: Dissertation	30 ECTS

19.3 *Course Co-ordinator:* Professor Robbie Gilligan

## 20. Clinical Speech and Language Studies (M.Sc.)

20.1 *Introduction:* This M.Sc. course is designed to provide qualified speech and language therapists with opportunities to advance their academic knowledge and professional practice skills with specialist clinical populations. The course is offered as a part-time two-year course, however there is a one-year full-time option available for the Dysphagia specialist strand. The course consists of a range of modules addressing research skills, advanced clinical skills and principles of evidence-based practice, within a suite of professional strands. The professional strands offered are as follows:

- (1) Dysphagia\*
- (2) Developmental Communication Disorders
- (3) Fluency
- (4) Voice
- (5) Augmentative and Alternative Communication
- (6) Communication Disorders and Adult Mental Health
- (7) Acquired Communication Disorders

\*There is also an opportunity to do a Postgraduate Diploma in Dysphagia as a stand-alone course (see entry 71 in this section).

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

20.3 *Duration:* The M.Sc. course takes place over a two-year period on a part-time basis for all specialist strands. There is a one-year full-time option also available for the Dysphagia specialist strand. For students taking the part-time course, taught modules are scheduled in Year 1; the research project and dissertation module are the main focus in Year 2. For students taking the Dysphagia specialist strand full time course, taught modules, research project and dissertation are completed over one year.

20.4 *Course Structure (General):* Students are required to take five core modules addressing research skills, evidence-based practice, advanced clinical skills, and writing a dissertation. Each module assignment contributes towards specialist knowledge, skills and competencies in the chosen clinical specialist strand.

For the part-time courses, students are required to take 5 core modules to achieve 60 credits in Year 1. Students must attend for six weeks' intensive course work across the academic year, comprising lectures, workshops, seminars and tutorials with self-directed learning and assignments spread across Year 1. In Year 2, to achieve 30 credits, students are required to take a Dissertation module and complete a research project leading to a dissertation in the selected clinical specialist area. They must also prepare a research paper for submission for publication in a peer-reviewed journal or a poster for conference presentation. Classes are timetabled to facilitate overseas students and speech and language therapists in employment.

For the full-time course (Dysphagia specialist strand) students are required to take 6 core modules to achieve 90 ECTS credits over one year. 60 credits are awarded for successful completion of five core modules in research methods, advanced clinical skills and evidence-based practice. As part of the Advanced Clinical Skills module, students are required to arrange and complete a minimum of 80 hours clinical practicum within their chosen specialist area. Students are required to take a Dissertation module worth 30 credits and complete a research project leading to a dissertation in the selected clinical specialist area. They must also prepare and research paper for submission for publication in a peer-reviewed journal or a poster for conference presentation. Students are required to attend for 12 weeks intensive course work across the academic year, comprising lectures, workshops, seminars and tutorials with self-directed learning and assignments spread across the year.

**20.5 Course Structure (Dysphagia):** For the specialist module in Dysphagia, in addition to the part-time and full-time M.Sc. course options, students may register for a one year Postgraduate Diploma in Dysphagia (see entry 71 in this section). Students who register for the Postgraduate Diploma in Clinical Speech and Language Studies (Dysphagia) may be permitted to transfer to the M.Sc. in Clinical Speech and Language Studies (Dysphagia strand) if they have completed satisfactorily course assignments in the Research Methods I module. They must notify the Course co-ordinators in writing of their request to transfer by 1<sup>st</sup> December. 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 the M.Sc. part-time and full-time specialist strand in Dysphagia must complete an additional introductory week in dysphagia. Exemptions may be made for students who have already completed a recognised introductory course in dysphagia. Students on the part-time M.Sc. course taking the Dysphagia strand are not permitted to transfer to the full-time M.Sc. course and vice versa.

Students on both the Postgraduate Diploma and M.Sc. part-time and full-time specialist courses in Dysphagia must complete an additional introductory week in dysphagia. This week is credited as part of the Advanced Clinical Skills module. Exemptions are made for students who have already completed a recognised introductory course in dysphagia or who have undertaken theoretical courses in the area with clinical practicum at undergraduate level and who are deemed eligible to work in the area on graduation.

**20.6 European Credit Transfer System (ECTS):** The M.Sc. carries 90 ECTS credits: three research method modules at 10 credits each (30 ECTS), two practice-focused modules at 15 credits each (30 ECTS) and the dissertation module at 30 credits.

Part-time two year option:

Year 1

Research methods 1	10 ECTS
Research methods 2	10 ECTS
Research methods 3	10 ECTS
Clinical Evidence-based practice	15 ECTS
Advanced clinical skills	15 ECTS

Year 2

Dissertation	30 ECTS
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Full-time one year option (Dysphagia Specialist Strand only):

Research methods 1	10 ECTS
Research methods 2	10 ECTS
Research methods 3	10 ECTS
Clinical Evidence-based practice	15 ECTS
Advanced clinical skills	15 ECTS
Dissertation	30 ECTS

**20.7 Assessment:** In the calculation of the overall course mark, all modules and the dissertation are weighted according to their ECTS credit value. The pass mark of 40% applies to all elements. To qualify for the award of the M.Sc. degree students must achieve a mark

of 40% or above in each module and in the dissertation, thereby accumulating 90 credits. There is no compensation between modules. Students may be awarded the M.Sc. with Distinction if they achieve a mark of 70% or above in the dissertation together with an overall average mark for the course of 70% or higher.

Full-time students must pass each of the required assignments for the core modules including the clinical component and the dissertation over the academic year.

Part-time students must pass each of the required assignments for the core modules in Year 1 in order to proceed to year 2. An assignment cannot be repeated more than once. Repeated assignments will achieve a maximum of 40% (III). Students are not permitted to repeat more than three assignments in the academic year. Students who do not perform satisfactorily on all assignments in Year 1 may be debarred from writing a dissertation by the court of examiners. These students may apply for a Postgraduate Diploma in Clinical Speech and Language Studies, provided that they have passed the required modules amounting to 60 credits.

All students are required to submit a research proposal and, where appropriate, obtain ethical approval before undertaking data collection for their research project. Part-time students must submit this by the end of the first year and the dissertation will be the main research requirement for the second year. Dissertations for part-time and full-time students will be approximately 15,000 words in length and must be submitted to the Department of Clinical Speech and Language Studies at the end of August in Year 1 for full-time students and in Year 2 for part-time students. A student who is required to submit an application must submit evidence of the relevant Committee's approval with their dissertation in order to pass the module.

20.8 *Fitness to Practice:* The School Fitness to Practice Committee is convened as required, at the request of a Head of Discipline. This committee considers matters of concern in relation to professional clinical practice associated with clinical work undertaken as part of the course. This committee is appointed by the School Executive Committee, with representation from two members from within the School and one member from a non-Faculty School, where Fitness to Practice is a requirement of the course.

20.9 *Course Co-ordinators:* Professor Margaret Walshe and Professor Margaret Leahy

## **21. Clinical Supervision (M.Sc./P.Grad.Dip.)** ***(This course has a biennial intake)***

21.1 *Introduction:* The M.Sc. in Clinical Supervision is a two year part-time course aimed at experienced and practising psychologists, psychotherapists, mental health and social care professionals who wish to further their professional development, research capability and train as clinical supervisors.

21.2 *Admission Requirements:* Applicants will normally be required to

- hold an honors Bachelor degree in psychology or a related field (e.g. psychotherapy, social work, education etc.)
- have post-qualification and/or experience in the primary discipline
- have post-qualification and/or training/experience in supervision
- demonstrate commitment to ongoing professional development (e.g. further training workshops, seminars and conferences)
- be practising and a full member of a recognised professional body e.g. the Psychological Society of Ireland, the Irish Council for Psychotherapy, the Irish Association for Counselling and Psychotherapy, the British Psychological Society or professional equivalent.)
- have access to a supervisee base for professional practice
- fully complete the online application ([www.tcd.ie/courses/postgraduate](http://www.tcd.ie/courses/postgraduate)) to include, *Curriculum Vitae*, two letters of reference (one of which needs to be from a clinical supervisor), evidence of qualifications and EU status, transcripts etc.
- attend for an individual interview.

21.3 *Duration:* The course is normally scheduled to take place on Saturdays (maximum two per month) and occasional Friday afternoons (approx five per year) to facilitate students

who have work commitments. Dates and times are detailed in the Course handbook.

**21.4 Course Structure:** There are eight modules in total, six taught modules, a supervised Professional Practice Module (60 hours) and a Dissertation. Costs associated with clinical supervision of the Professional Practice Module are additional to course tuition 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.

*Year 1*

Module 1: Advanced Clinical Supervision, Theory, Skills and Process	10 ECTS
Module 2: Clinical Supervision and Perspectives in Adult Learning	5 ECTS
Module 3: Advanced Peer and Group Supervision	10 ECTS
Module 4: The Reflective Practitioner	10 ECTS
Module 5: Professional Practice	10 ECTS
Module 6: Organisational Issues	10 ECTS
Module 7: Research in Clinical Supervision	5 ECTS

*Year 2*

Module 8: Dissertation (c. 20,000 words)	30 ECTS
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All students register on the M.Sc. course in the first instance. Students may choose to exit with a Postgraduate Diploma in Clinical Supervision on successful completion of Year 1 course requirements. The Postgraduate Diploma is equivalent to 60 ECTS. Students who successfully complete all the required elements of the M.Sc. course will be awarded the M.Sc. in Clinical Supervision.

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.

**21.5 Assessment:** Students will be assessed throughout the course by coursework, professional practice and the dissertation. All modules, including the dissertation, are graded on a pass/distinction/fail basis.

In order to be awarded the degree of Master in Science in Clinical Supervision students must satisfy the Court of Examiners by passing all six of the taught modules of the course and 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 Pass 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 being failed, one attempt to repeat that assignment will be allowed. If the repeat assignment is again failed, the module as a whole is deemed failed. Compensation for failure in one taught module up to 10 credits is permitted provided that the student has passed all other modules and the dissertation.

**Procedures for Failed Professional 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. In this instance, full annual fees would apply.

If the Fail was due to serious unethical, unprofessional or illegal behaviour, the case will be reviewed by the Course Management Committee and the Head of School and/or Fitness to Practice Committee who will decide on an appropriate course of action which may include exclusion of the student from the course. In addition, the student may 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, he/she will be required to withdraw from the course.

**21.6 Suitability for Training (Fitness to Practice):** The role of the Clinical Supervisor holds a gate-keeping function in their relevant professions and as such, students must conform to the highest ethical and best practice standards. This role ultimately functions to protect the welfare of the client/service user, 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 dealt with under the provision of the College Fitness to Practice Procedures. An assessment of the student's suitability for training by an external specialist may be requested by the Course Management Committee.

**21.7 Dissertation:** Dissertations have a research supervisor, an external examiner and must be conducted in accordance with College Procedures, School of Psychology Research Ethics Committee 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 on all components of the course will be eligible for the award of Master in Science in Clinical Supervision. A distinction will be awarded to candidates who achieve a distinction in the dissertation and achieve a distinction in individual modules amounting to at least 30 credits, and pass all remaining modules. A distinction cannot be awarded if a candidate has failed any credit during the course.

**21.8 Course Director:** Professor Mary Creaner

## **22. Disability Studies (M.Sc./P.Grad.Dip.)**

**22.1 Introduction:** The MSc. in Disability Studies is an inter-disciplinary course that focuses on the study of disability from social, historical, cultural, economic and political perspectives. Schools and departments involved in the delivery of the M.Sc. include: Social Work and Social Policy, Nursing and Midwifery, Law, Religions and Theology, Deaf Studies, Global Health, English, and Economics.

**22.2 Admission Requirements:** EU Applicants are required to hold at least an upper second class honors degree in a relevant area (e.g. in Social Sciences, Health Sciences, Humanities, Education, Deaf Studies, Law and Psychology). Non-EU applicants will be required to hold an equivalent to an upper second class honors degree in the areas listed above or related equivalent qualification. Applicants with qualifications below this level or those holding professional qualifications will be required to submit a portfolio detailing their

prior learning both in formal and experiential settings. This portfolio should be submitted as part of the application process.

22.3 *Duration:* One year full time or two years part time.

22.4 *Course Structure:* Students undertake core modules (40 ECTS), elective modules (20 ECTS) and a dissertation (30 ECTS) of not more than 20,000 words on an approved topic.

*Core modules are:*

- |    |                                    |           |
|----|------------------------------------|-----------|
| 1) | Introduction to Disability Studies | (10 ECTS) |
| 2) | Disability Policy, Law and Ethics  | (10 ECTS) |
| 3) | Disability Placements              | (10 ECTS) |
| 4) | Research Methods                   | (10 ECTS) |

*Elective modules are:*

- |    |   |           |
|----|---|-----------|
| 5) | Contemporary Issues in Intellectual Disabilities Studies            | (10 ECTS) |
| 6) | Empowerment and Enablement of People with Intellectual Disabilities | (10 ECTS) |
| 7) | Perspectives on Deafness  | (10 ECTS) |
| 8) | Marginalised groups and the Economy                                 | (10 ECTS) |

\*Choice of elective modules offered is based on adequate numbers of students electing to take modules. The School of Social Work and Social Policy reserves the right to vary the above list and, in particular, the right to withdraw modules. Time-tabling considerations may restrict choice.

- |    |              |           |
|----|--------------|-----------|
| 9) | Dissertation | (30 ECTS) |
|----|--------------|-----------|

22.5 *Assessment procedure:* Assessment of course work is done through formative and summative evaluation methods. Formative evaluation methods are used to assess the progress of students' course work in reflection papers and classroom presentations. Summative evaluation methods is used to assess the overall outcome of the course work through final papers, written assignments, research projects and evaluations, group posters and a placement report. The formative and summative assessment methods are consistent with the general practice in the schools offering core and elective courses. In the calculation of the overall mark for the course modules are weighted according to their ECTS credit weighting.

*Pass/Fail:* The pass standard for a written assignment is 50%. In cases where students fail to achieve a pass grade in a written assignment, a resubmission may be required. The resubmission deadline will be four weeks from the publication of the initial results. Where resubmissions are required, the maximum mark awarded for the resubmitted assignment is 50%. Failure on the second attempt will result in a student being excluded from the course. There are no written examinations on this course.

22.6 *Compensation and Progression:* Candidates are not permitted to pass by compensation across modules. All students register on the M.Sc. programme. Part-time students must pass all modules taken in the first year of the course in order to progress to the second year. Full time students may, following consultation with the Course Director, opt not to progress to the dissertation. If this option is chosen, the student will be eligible for consideration for the award of a Postgraduate Diploma in Disability Studies.

In order to be awarded the Postgraduate Diploma in Disability Studies, a student must pass core modules to the value of 40 ECTS and elective modules to the value of 20 ECTS. The Postgraduate Diploma may be awarded at two levels (i) Pass and (ii) Pass with Distinction which shall require an overall average mark of at least 70% across all taught modules. A Postgraduate Diploma with Distinction cannot be awarded if a candidate has failed any module during the period of study.

To qualify for the award of the M.Sc. in Disability Studies, a student must achieve a pass mark in core modules to the value of 40 credits and in elective modules to the value of 20 credits, and in the dissertation.

The award of a Masters with Distinction shall require the achievement of a distinction (70% of above) for the dissertation, and an aggregate of at least 70%. A distinction cannot be

awarded if a candidate has failed any module during the period of study.

22.7 *Course Director:* Professor Edurne Iriarte Garcia

### 23. Drug and Alcohol Policy (M.Sc.)

23.1 *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 middle-ranking or senior civil servants or HSE officials; directors or senior workers from voluntary drug and alcohol services; senior officials from the Probation Service, the Prison Service or An Garda Síochána; members and employees of Local and Regional 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.

23.2 *Admission Requirements:* Candidates for the M.Sc. in Drug and Alcohol Policy must have current or recent experience of 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 honors Bachelor 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.

23.3 *Course Structure:* The course extends over two years on a part-time basis, with students attending College three days a month from September to May.

The M.Sc. carries 90 ECTS credits and consists of six core modules at 10 credits each, and the dissertation, equivalent to 30 credits.

Students take modules 1-4 in year one of the course, and the remaining modules, including the dissertation, in year 2.

1.	Alcohol and Drugs - Use and Problem Use	10 ECTS
2.	National and International Policy	10 ECTS
3.	Research and Evaluation	10 ECTS
4.	Research Seminars	10 ECTS
5.	Therapeutic Interventions into Problem Drug and Alcohol Use	10 ECTS
6.	Service Management	10 ECTS
7.	Dissertation	30 ECTS

23.4 *Assessment:* Students must pass all modules taken in year 1 in order to progress to year 2 of the course. To complete the course satisfactorily and be awarded the degree, candidates must achieve a pass mark (50%) on all written requirements (three essays, a book review, a research proposal and a literature review) associated with the six taught modules and on the dissertation which must be submitted at the end of Year Two. Students who fail to reach 50% on any written requirement may re-submit once, within two months of being given back their failed paper, but such re-submitted work will be marked out of a range of 0-50%.

The award of M.Sc. in Drug and Alcohol Policy with Distinction will be made to any student who achieves a mark of 70% or higher for the final dissertation and who has achieved at least three 2.1 marks (i.e. 60-69%) for the other six written assignments.

23.5 *Intake:* There will be an intake of students to the course every two years.

## 24. Economic Policy Studies (M.Sc.)

**24.1 Introduction:** This two-year part-time course is designed to provide its graduates with the skills to apply economic perspectives, approaches and statistical and data skills to the study of policy issues. There is an intake of students every second year and the next intake will be for the academic year commencing 2014. Staff from the Department of Economics provide most of the modules on the programme but experts from outside the College, particularly from the Economic and Social Research Institute, provide some parts of the modules and act as thesis supervisors. 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.

**24.2 Aims:** The course aims to provide participants with a greater understanding of the policy process and the ability to engage confidently in evidence-based economic policy making. It enables graduates to contribute effectively to the processes of economic policy formulation, change and implementation, using various concepts and methods in social science analysis. 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, the political economy context, both domestically and internationally, is also explored in full.

**24.3 Admission/Entry Requirements:** Applications are invited from graduates holding a good honors degree 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 will be considered on their merits as to suitability on a case-by-case basis. In exceptional circumstances, applicants failing to meet the work experience requirement may be accepted on the course.

Notwithstanding an applicant's fulfilment of the entry requirements, 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.

**24.4 Course Structure:** The two-year course consists of both a taught and a research element. Students will undertake a number of taught modules equivalent to 60 ECTS credits over three terms (from mid/late September of year one to December of year two) and spend the remainder of the second year working exclusively on their dissertations, equivalent to 30 credits. The four compulsory modules to be taken by all students in year one and their associated credits are as follows:

Data Analysis, Modelling and Research Methods	(10 ECTS)
Understanding Markets	(10 ECTS)
Irish Economic Policy Issues and Context	(10 ECTS)
Macroeconomics and International Context	(10 ECTS)

In the second year there are two modules each accounting for 10 credits. The first module, Economic Evaluation: Theory, Techniques and Application covers aspects of public economics, with special emphasis on project appraisal and regulatory impact assessment. The second module covers competition and regulatory policy.

**24.5 Duration:** The course commences in mid/late September and extends over two years on a part-time basis, with most lectures scheduled on Fridays and on Saturday mornings from mid/late September to December in year one (Term 1), January to April in year one (Term 2) and mid/late September to December in year two (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 September of year two, and from January of year two, they will work solely on their dissertations until the submission date at the beginning of July in year two. They are required to attend and present seminars on their research during that period.

24.6 *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 are assessed by a combination of examinations and the submission of written work. In term three, most modules are assessed by means of written work and oral presentations. In the calculation of the overall average mark for the course, modules are weighted according to their credit value. In order to proceed to the second year of the course, students must either (i) achieve an overall pass mark (50 per cent or higher) in each of the four modules taken in the first year, or (ii) achieve an overall pass mark in three modules taken in the first year, have an overall average mark across all modules of at least 50%, and achieve a mark of not less than 40% in the failed module. In order to proceed to the research element of the course from January of year two onwards, students must, as a minimum, have passed outright individual modules amounting to at least 50 credits, have an overall mark of at least 50% and have a mark of not less than 40% in a failed module. 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 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 programme, preferably arising directly from some of the topics covered in the specialist courses in the second year. It must not exceed 15,000 words in length and is submitted by early July at the end of year two. Students must achieve a pass mark in the dissertation. Students who achieve a mark of 70% or above in both the dissertation and overall will be awarded a Distinction.

24.7 *Course Co-ordinator:* Professor John O'Hagan

## 25. Finance (M.Sc./P.Grad.Dip.)

25.1 *Introduction:* The aim of this Masters course is to equip students with the theoretical and practical knowledge that will enable them to participate in the financial services, financial management, banking and other finance related industries.

25.2 *Admission Requirements:* Admission to the course is competitive, and is normally restricted to graduates who have achieved an upper second class honors degree, or better, in a business, economics, management science or other degree with significant numeric elements. Applicants with qualifications in related areas may be admitted at the discretion of the course committee. Non-EU students will normally be required to submit a GMAT result.

25.3 *Duration:* The course is offered on a one year full-time basis and a two year part-time basis.

25.4 *Course structure:* The course incorporates both taught and practical components. Students undertake a significant independent research project that is presented in the form of a dissertation.

25.5 *Assessment:* To be eligible for the award of the M.Sc. in Finance, students must, within the period of registration (one academic year for full-time, or two academic years for part-time) pass a prescribed set of modules and satisfactorily complete a dissertation on a topic approved by the Course Director. The modules are typically assessed by a combination of a formal written examination and by graded coursework and assignments.

All students must take the following six core modules:

- Corporate Finance
- Credit and Fixed-Income Analysis
- Derivatives
- Financial Statement Analysis
- Investment Theory and
- Wealth Management

Students have a choice to take the general degree or to specialise further by declaring for one of the designated streams offered in any particular year. Students not opting to take one of these streams must take the central quantitative methods module (Data Analysis) and can

choose five additional modules from those offered. Students choosing one of the streams must take three specified stream core modules, must select an appropriate topic for their dissertation confirmed in writing by the Course Director as related to their stream, and must choose any three additional modules from those offered. The required stream core modules are as follows:

Financial Analysis stream:

- Data Analysis
- Equity and Bond Strategies
- International Finance

Accounting and Finance stream:

- Data Analysis
- Management Accounting and Control
- Advanced Statement Analysis

Risk Management stream:

- Mathematic of Contingent Claims
- Risk Quantification and Measurement
- Enterprise Risk Management

All part-time students must take the relevant quantitative methods module (Data Analysis or Mathematics of Contingent Claims) in their first year of study.

Examples of elective modules offered in past years include

- Alternative Investments
- Asset – Liability Management
- Behavioural Finance
- Economic Risk Analysis
- Economics of Financial Institutions
- Financial Econometrics
- Securitization and Structured Finance
- Treasury Management
- Venture Capital
- International Residency Week (extra fee applies)

The Business School reserves the right to vary the above list and, in particular, the right to withdraw, amend or replace modules and streams. Electives planned to be offered in a given year are found in the Course handbook. In addition to the elective modules offered in a given year, students are generally allowed to choose stream core modules from other streams if module scheduling and prerequisites as determined by the module Co-ordinator and/or the Course Director allow this. Streams or modules which have fewer than a specified minimum number of students will not be run. Not all combinations of modules may be possible. Modules, their ordering and whether they are mandatory or optional may change from year to year. For part-time students the designations of modules as core, stream core, or elective in place in their first year typically applies in their subsequent year of continuous study. Part-time students should be cognisant of potential changes in module offerings from year to year in making their stream and module selection choices.

Each taught module is worth 5 ECTS with a research project (dissertation) worth 30 ECTS. Students are required to pass a full complement of modules, including a research project (dissertation) to the value of 90 ECTS to be eligible for the award of the M.Sc. degree. Students who pass all taught modules to the value of 60 ECTS will be eligible for the award of a PG Diploma. To pass a taught module, students must satisfactorily complete any associated practical work for that module, and obtain an average mark of 50% or better for all assessment elements of the module. Students who fail a module will need to sit a repeat examination. Students are allowed to resit examinations in not more than three taught modules to remain eligible for the award of the M.Sc. degree. Therefore, students who fail more than three but less than six of the taught modules will be allowed to resit the relevant examinations but will not be allowed to progress to the research project (dissertation) module and will – if ultimately successful on the taught modules – be eligible for a PG Diploma only. Such students will not be permitted at a later stage to complete the M.Sc. in Finance.

Students who fail six or more taught modules overall, and/or fail more than half of the modules attempted in any given semester will be required to withdraw from the course. Similarly, any student who fails a repeat examination will be required to withdraw from the course. Detailed regulations covering successful progression through the course including the conventions for repeat examinations are found in the Course handbook for the current academic year.

Each student undertakes an individual research project (30 ECTS) on a relevant topic chosen in consultation with the Course Director. Students who choose a particular stream need to get their dissertation topic approved in writing by the Course Director as related to their particular stream. Procedures and supports for the completion of the dissertation module are specified in the course handbook. Students are assigned a reading guide 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. To satisfactorily complete a dissertation, students must submit their dissertation by the prescribed date and must obtain a pass mark of 50%.

Students who achieve a mark of 70% or above for their dissertation, who have passed all their taught modules without repeat exams, and who achieve a credit-weighted average mark of 70% or above on all taught modules are eligible for the award of their M.Sc. degree with distinction.

Students who have passed all relevant coursework in accordance with the regulations of the programme but who do not want to complete the dissertation can opt to exit the Masters programme with a Postgraduate Diploma in Finance. To voluntarily avail of this option they must inform the Course Director in writing within four weeks of the date at which the results of the last regular module exams for the academic year are published. Students who choose this option and who have achieved a credit-weighted average mark of 70% or above on all taught modules are eligible for the award of their PG Diploma with distinction if they have not repeated any examinations that form part of their results.

Students who fail the dissertation will not be eligible for the award of the M.Sc., but will be eligible for the award of a Postgraduate Diploma in Finance. The Diploma cannot be awarded with distinction if the dissertation has been failed.

25.6 *Course Director:* Professor Aleksandar Sevic

## **26. International Management (M.Sc./P.Grad.Dip.)**

26.1 *Introduction:* This course is designed for students who have taken an undergraduate degree in business or cognate disciplines and is specifically aimed at those who have little or no work experience.

26.2 *Aim:* The aim of the course is to equip students with the theoretical and practical knowledge that will enable them to manage more effectively in an international business setting.

26.3 *Admission Requirements:* Admission to the course is competitive, and is normally restricted to graduates who have achieved an upper second class honors degree or better in a relevant discipline (e.g., business, economics, commerce). Non-EU students will normally be required to submit a GMAT result.

26.4 *Duration:* The course is offered on a one-year full-time basis and a two-year part-time basis.

26.5 *Course structure:* The course incorporates both taught and research components. Students will undertake a significant independent research project that is submitted in the form of a dissertation or business research portfolio.

26.6 *Assessment:* To be eligible for the award of the M.Sc. in International Management, students must, within the period of registration (one academic year for full-time, or two academic years for part-time) pass a prescribed set of modules and satisfactorily complete a dissertation on a topic approved by the Course Director. The modules are typically assessed by a combination of a formal written examination and by graded coursework and assignments.

All students must take the following six taught core modules which focus on developing the capability and capacity to operate effectively across a range of core and support business functions in an international setting:

- Economics for a Global Market
- International Finance
- International Marketing
- Global Supply Chain Management
- Cross-cultural Management
- International Business Strategy

Students have a choice to take the general degree or to choose streams in particular content areas. Detailed regulations and stream choices available in any given year are specified in the course handbook. In past years streams such as Finance, Marketing and Social Entrepreneurship were offered. Students taking the general degree choose six additional modules from those offered. Students choosing one of the streams offered in a particular year must choose the three specified stream core modules, must select an appropriate topic related to that stream for their dissertation, and must choose any three additional modules from those offered. Only one stream can be formally pursued regardless of the actual modules chosen and the potential links of a dissertation topic to multiple streams. Electives available in any given year are specified in the course handbook. Examples of elective taught modules that have been offered in past years include:

- International NGO Management
- Cross-cultural Communications
- Business Ethics
- Applied Marketing Strategy
- Policy Issues in the International Economic System
- Service Science
- Financial Statement Analysis
- Social Entrepreneurship
- Management Accounting & Control

The Business School reserves the right to vary the above list and, in particular, the right to withdraw, amend or replace modules. Streams or modules which are chosen by fewer than a specified minimum number of students will not be run. Not all combinations of modules may be possible. Modules, their ordering and whether they are mandatory or optional may change from year to year. For part-time students the designations of modules as core, stream core, or elective in place in their first year typically applies in their subsequent year of continuous study. Part-time students should be cognisant of potential changes in module offerings from year to year in making their stream and module selection choices.

Students will be required to complete an International Residency Week (IRW) at a partner institution overseas. While institutions in Brazil, Russia, India and China are of particular interest, the final choice of location for the IRW will be determined for each specific year by the Course Director. Typically, one of the core or elective taught modules will be delivered through the IRW. The IRW is mandatory; successful attendance of the IRW can be replaced with the choice of another taught module only in extraordinary circumstances and only after consultation with the Course Director and written approval by the course committee.

Each taught module is worth 5 ECTS credits with a research project (dissertation) worth 30 ECTS. Students are required to pass a full-complement of modules, including a research project (dissertation) to the value of 90 ECTS to be eligible for the award of the M.Sc. degree. Students who pass all taught modules to the value of 60 ECTS will be eligible for the award of a PG Diploma. To pass a taught module, students must satisfactorily complete any associated practical work for that module, and obtain an average mark of 50% or better for all assessment elements of the module. Students who fail a module will need to sit a repeat examination. Students are allowed to resit examinations in not more than three taught modules to remain eligible for the award of the M.Sc. degree. Therefore, students who fail more than three but less than six of the taught modules will be allowed to resit the relevant examinations but will not be allowed to progress to the research project (dissertation) module and will – if ultimately successful on the taught modules – be eligible for a PG Diploma only. Such students will not be permitted at a later stage to complete the M.Sc. in International Management.

Students who fail six or more taught modules overall, and/or fail more than half of the modules attempted in any given semester will be required to withdraw from the course. Similarly, any student who fails a repeat examination will be required to withdraw from the course. Detailed regulations covering successful progression through the course including

the conventions for repeat examinations are found in the Course handbook for the current academic year.

Students must complete the Business Research Project, which consists of a dissertation or equivalent research reports, in order to be awarded the degree. Each student undertakes an individual research project on a topic chosen in consultation with the Course Director. Part-time students will begin their dissertation in their second year, first term and then follow the same timetable as full-time students. After completing the first two terms and presenting their draft literature review and research proposal, students are assigned a supervisor who guides them through the finalisation of their proposal, 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 Business Research Project is *via* an examinable research report. To satisfactorily complete the Business Research Project, students must submit their dissertation by the prescribed date and must obtain a pass mark of 50%.

Students who achieve a mark of 70% or above for their dissertation, who have passed all their taught modules without repeat exams, and who achieve a credit-weighted average mark of 70% or above on all taught modules are eligible for the award of their M.Sc. degree with distinction.

Students who have passed all relevant coursework in accordance with the course regulations but who do not want to complete the dissertation can opt to exit the Masters programme with a Postgraduate Diploma in International Management. To voluntarily avail of this option they must inform the Course Director in writing within four weeks of the date at which the results of the last regular module exams for the academic year are published. Students who choose this option and who have achieved a credit-weighted average mark of 70% or above on all taught modules are eligible for the award of their PG Diploma with distinction if they have not repeated any examinations that form part of their results.

Students who fail the dissertation will not be eligible for the award of the M.Sc., but will be eligible for the award of a Postgraduate Diploma in International Management. The Diploma cannot be awarded with distinction if the dissertation has been failed.

26.7 *Course Director:* Professor Mary Keating

## **27. International Politics (M.Sc./P.Grad.Dip.)**

27.1 *Introduction:* This course aims to develop students' knowledge of problems in contemporary world politics, including international cooperation, international conflict, democratisation, civil conflict and war, as well as the politics of economic and environmental issues where domestic and international politics cannot be understood in isolation from each other. In addition, the course aims to equip students with the research training required to conduct independent political research through taught modules on research methods. On successful completion of the course, students are awarded the degree of M.Sc. in International Politics.

27.2 *Admission Requirements:* Candidates should normally have achieved an upper second class honors degree or higher. A background in a social science will be an advantage but not a necessity. Applications are expected from candidates with a single or joint honors degree in political science, economics, history, sociology, business and law. Entry is only to the M.Sc. and no direct entry to the Postgraduate Diploma is possible.

27.3 *Duration:* The course is one year full-time or two years part-time.

27.4 *Course Structure:* The course has five components:

1. Two substantive modules taught in Michaelmas Term (each 10 ECTS): International Politics; and one other.
2. One Research Design module taught in Michaelmas Term (10 ECTS).
3. Four (from a choice of at least five) five-week substantive modules taught in Hilary Term (each 5 ECTS, to a total of 20 ECTS).
4. One research methods module taught in Hilary Term (10 ECTS).
5. A 10,000-word dissertation on an approved topic relating to international politics (30 ECTS).

Modules may be moved between Hilary and Michaelmas Term; and the optional modules

offered may vary from year to year. Full details of the available modules in any given year are set out in the course handbook.

Candidates whose dissertations do not meet the minimum pass standard of 50% may have the opportunity to re-submit in accordance with College procedures as outlined in this Calendar for Graduate Studies and Higher Degrees. Following consultation with the Course Director, students may opt or be advised to exit with a Postgraduate Diploma in International Politics if they fail to pass the dissertation, provided that they have passed amounting to at least 50 credits, have an overall average mark of at least 50%, and have a mark of not less than 40% in the failed module(s). To qualify for the award of a Postgraduate Diploma with distinction, students must, in addition, achieve an overall average mark of at least 68% and a minimum mark of 70% in modules amounting to at least 30 credits.

**27.5 Assessment:** Assessment for each individual module may include one or more of the following forms: written work, such as essays, research papers, computational exercises, oral presentations, take-home examinations and/or formal examinations. In general most modules offered are assessed by a combination of presentations, participation and written work.

Students must achieve a pass mark in the dissertation and an overall pass mark for the course, must pass individual modules amounting to at least 50 credits, and have a mark of not less than 40% in any failed module(s). The M.Sc. with Distinction may be awarded to students who achieve a mark of 70% or above in the dissertation and have an overall (unrounded) average mark across all taught modules of at least 68% where modules amounting to at least 30 credits have a mark of 70% or above. Rules for passing individual modules within the taught element, including details of the provisions of supplemental examinations and the compensation system are set out in the course handbook. The dissertation forms the final assessment.

**27.6 European Credit Transfer System (ECTS):**

International Politics	10 ECTS
Principles of Research Design	10 ECTS
Introduction to Quantitative Research Methods	10 ECTS
International Conflict	10 ECTS
International Political Economy	5 ECTS
International Organisation	5 ECTS
Human Rights	5 ECTS
Global Justice	5 ECTS
Democratisation	5 ECTS
European Union Politics	5 ECTS
Dissertation	30 ECTS

**27.7 Course Director:** Professor William Phelan

## **28. Political Science (M.Sc./P.Grad.Dip.)**

**28.1 Introduction:** This course offers students a broad training in the main sub-fields of political science. In addition, the course aims to equip students with the research training required to conduct independent political research. In addition to substantive modules in various sub-fields of politics, the course also includes modules on research methods. On successful completion of the course, students are awarded the degree of M.Sc. in Political Science.

**28.2 Admission Requirements:** Candidates should normally have achieved an upper second-class honors degree or higher. A background in a social science will be an advantage but not a necessity. Applications are expected from candidates with a single or joint honors degree in Political Science, Economics, European Studies, History, Sociology, Business and Law. Entry is only to the M.Sc. course and no direct entry to the Postgraduate Diploma in Political Science is possible.

**28.3 Duration:** The course is one-year full-time or two-years part-time.

**28.4 Course Structure:** The course has five components:

1. Two substantive modules taught in Michaelmas Term (each 10 ECTS)
2. One research design module taught in Michaelmas Term (10 ECTS)
3. Four substantive modules taught in Hilary Term (each 5 ECTS)
4. One research methods module taught in Hilary Term (10 ECTS)
5. A 10,000 word dissertation on an approved topic relating to political science (30 ECTS)

The 10 ECTS substantive modules include:

1. Parties and Public Policy
2. Government institutions

The 5 ECTS substantive modules include:

1. European Union Policies
2. International organisation
3. European Union Politics
4. International Political Economy
5. Global Justice
6. Human Rights and International Politics
7. US Foreign Policy

Modules may be moved between Hilary and Michaelmas Term, and the optional modules offered may vary from year to year. Full details of the available modules in any given year are set out in the course handbook.

Candidates whose dissertations do not meet the minimum pass standard of 50% may have the opportunity to re-submit in accordance with College Procedures as outlined in this Calendar for Graduate Studies and Higher Degrees. Students may, following consultation with the Course Director, opt or be advised to exit with a Postgraduate Diploma in Political Science if they fail to achieve a pass mark for the dissertation element provided that they have passed modules amounting to at least 50 credits, have an overall average mark of at least 50% and have a mark of not less than 40% in the remaining module(s). To qualify for the award of a Postgraduate Diploma with distinction, students must, in addition, achieve an overall average mark of at least 68% and a minimum mark of 70% in modules amounting to at least 30 credits. There is no direct progression from this M.Sc. course into the Ph.D. programme.

28.5 *Assessment:* Assessment for each individual module may include one or more of the following forms: essays; research papers, computational exercises, oral presentations, take-home exams and/or formal exams. In general, most modules offered are assessed by a combination of presentations, participation and written work. Students must achieve an overall pass mark in the taught elements of the course, must pass individual modules amounting to at least 50 credits and have a mark of not less than 40% in the remaining module(s). Rules for passing individual modules within the taught element, including details of the provisions for supplemental examinations and the compensation system, are set out in the course handbook. The dissertation forms the final assessment. The M.Sc. with distinction may be awarded to students who achieve a mark of 70% or above in the dissertation and have an overall (unrounded) average mark across all taught modules of at least 68% where modules amounting to at least 30 credits have a mark of 70% or above. A distinction cannot be awarded where the candidate has failed any credit during the course.

28.6 *European Credit Transfer System (ECTS):*

Introduction to Quantitative Research Methods	10 ECTS
Government and Politics of the European Union	10 ECTS
Parties and Public Policy	10 ECTS
International Organisation	5 ECTS
International Political Economy	5 ECTS
Principles of Research Design	10 ECTS
Government Institutions	10 ECTS
European Union Policies	5 ECTS
European Union Politics	5 ECTS
Global Justice	5 ECTS
US Foreign Policy	5 ECTS
Human Rights and International Politics	5 ECTS
Dissertation	30 ECTS

## 29. Psychology (Applied Behaviour Analysis) (M.Sc.)

**29.1 Introduction:** The M.Sc. in Psychology (Applied Behaviour Analysis) is a postgraduate course open to those with an undergraduate honors degree in psychology (specific) and a Diploma in Applied Behaviour Analysis (or coursework equivalent). The course provides advanced theoretical, ethical, practical, and research modules in ABA and requires the submission of a research dissertation. The aim is to ensure that students become proficient to a high degree 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 emphasis of this course is on behavioural theory.

Students on the course are required to work or volunteer in a placement that allows them to engage in behaviour analytic practice. Acceptable placements include, but are not limited to, ABA schools, primary schools, the Health Service Executive, or other human service settings. Students are required to secure placement prior to applying to the course. All fieldwork must be supervised by a course approved Board Certified Behaviour Analyst (BCBA). Supervision costs are separate and are not included with the tuition. 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.

**29.2 Admission Requirements:** Applicants will be required to hold at least an upper second class honors degree in psychology from a recognised university course, which confers eligibility for graduate membership of the Psychological Society of Ireland, and a Diploma in ABA (or equivalent). Applicants will be required to submit an academic transcript of their qualifications to date. The selection process may also require attendance at interview and the submission of a written piece of work.

**29.3 Duration:** The M.Sc. is one year full time. This is an intensive course. Formal classes run from late September to late May and are normally held one day every week and occasional evenings, including some weekends. Additionally, students meet with their supervisor for individual supervision for 1-2 hours every other week from October to the following August. Dissertation research is initiated during the academic year and continued and finalised during the summer months.

**29.4 Modules:** The M.Sc. in Psychology (ABA) course is comprised of six modules and is equivalent to a total of 90 ECTS:

1. Advanced research and data analysis methods in ABA	10
2. Conceptual Issues in ABA	10
3. Research Dissertation Proposal	5
4. Special Topics in ABA* (4 topics of 5 Credits each)	20
5. Supervised Research and Practice	15
6. Research Dissertation	30

\*Special Topics may include Precision Teaching, ABA in Multidisciplinary Teams, and Theoretical Approaches in Behaviour Analysis. These topics may vary according to staff availability. Details of which modules students must complete are published in the Course handbook.

**29.5 Assessment:** Students undergo a series of assessments, e.g. essays, literature reviews, written behaviour support plans, research studies, throughout the duration of the course culminating in a 10,000 word (minimum) research dissertation. One resubmission or re-sit will be offered at an agreed date for a failed piece of assessment and failure on three assessment components at the first attempt, or a second fail on the same component, may result in a student being excluded from the course.

Those candidates who pass all modules as listed above and who perform at a satisfactory level in all components of the course, (i.e. practical application skills and academic assignments, and meet attendance and other requirements) as specified in the course outline, will be eligible for the award of M.Sc. in Psychology (Applied Behaviour Analysis).

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

See entry 20 in the Faculty of Engineering, Mathematics and Science for further details.

## M.Phil. Courses

### 31. Applied Linguistics (M.Phil./P.Grad.Dip.)

31.1 *Introduction:* This course, which shares elements in common with the M.Phil. courses in Linguistics, English Language Teaching, and Speech and Language Processing, is offered by the School of Linguistic, Speech and Communication Sciences.

31.2 *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.

31.3 *Admission Requirements:* Applicants are normally required to possess a good honors Bachelor 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 and Spanish). Previous knowledge of applied linguistics is not a requirement.

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

31.5 *Structure:* The course consists of six taught modules, together with tutorial sessions on research methodology and a dissertation. The taught modules are made up of four mandatory core modules and two elective options. Part-time students take two core modules and one elective module per year as specified in the course handbook. A part-time student in the first year who either (i) fails more than one module, or (ii) receives a mark of less than 30% in any modules, may not proceed to the second year.

*Core modules:*

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

*Elective modules:*

- 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 elective modules may be available in any one year, depending on staff availability and timetabling. Additional elective modules may be introduced by the course committee at a later date.

31.6 *European Credit Transfer System (ECTS):* The M.Phil. carries 90 ECTS credits:

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

The Postgraduate Diploma carries 60 ECTS credits.

31.7 *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 second language pedagogy, second language acquisition, sociolinguistics, or another approved area in applied linguistics. Students are required to follow research ethics procedures as set out in the course handbook. The grounds on which the Court of Examiners may debar students from writing and submitting a dissertation are set out in the course handbook.

**31.8 Assessment:** Students are assessed on the basis of their performance in (i) six assignments as specified in the course handbook, each related to the modules of the course and (ii) their dissertation. Assignment submission deadlines are as set out in the course handbook; dissertations must be submitted not later than 31st August in the year in which the course is completed. All modules and the dissertation are weighted according to their ECTS credit value. The pass mark of 40% applies to all module assignments; the dissertation is graded on a pass/distinction/fail basis. To qualify for the award of the M.Phil. degree, students must (i) obtain an average of at least 40% over all taught modules, (ii) obtain a pass grade in the dissertation, and (iii) either pass modules amounting to 60 credits, or pass modules amounting to at least 50 credits where there is a mark of not less than 30% in the failed module. Students may be awarded the M.Phil. with Distinction if they (i) pass all modules; (ii) achieve a Distinction in the dissertation; (iii) achieve at least 68% in the unrounded overall average mark for the taught modules; and (iv) achieve at least 70% in each of three course modules. 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 (i) obtain an average over all taught modules of at least 40% and (ii) either pass modules amounting to 60 credits, or pass modules amounting to at least 50 credits where there is a mark of not less than 30% in the failed modules. The Postgraduate Diploma with Distinction may be awarded to candidates who (i) have passed all modules, (ii) have an overall average mark of 68% or above and (iii) have a mark of at least 70% for each of three course modules.

**31.9 Course Co-ordinator:** Professor Breffni O'Rourke

### **32. Children's Literature (M.Phil./P.Grad.Dip.)**

**32.1 Introduction:** The course provides well-qualified graduates in English or related disciplines with the opportunity to study a broad range of children's literature in English. It equips students with the skills necessary to progress to independent research in this and cognate areas. It is uniquely supported by the Pollard Collection, the bequest of more than 10,000 children's books left to the College by Mary 'Paul' Pollard, one time keeper of Early Printed Books, in 2005.

**32.2 Admission requirements:** Applicants should have a good honors degree (at least an upper second, or a GPA of at least 3.3). A sample of the candidate's own critical writing (3,000-5,000 words) is also required.

**32.3 Duration:** The programme lasts one year from September and requires full-time study.

**32.4 Course Structure:** the course comprises three elements: (1) Perspectives and case studies in children's literature (core module meeting twice a week for two hours over two terms); (2) option modules meeting once a week for two hours – students take one option per term; (3) dissertation.

Optional modules available in 2012-13 include the following: The child and Victorian literature; Tolkien: books for children and children's literature; Historical novels; Young Adult fiction; Writing for juveniles from Janeway to Jane Austen.

**32.5 European Credit Transfer System:** The total ECTS credit for the course is 90. One core module = 30 credits; Two option modules at 15 credits each = 30 credits; dissertation = 30 credits.

**32.6 Assessment:** In the calculation of the overall average mark for the course, modules are weighted according to their ECTS credit weighting.

Assessment is by a combination of coursework and dissertation as follows:

- Dissertation: 15,000-20,000 words, supervised by an appropriate member of staff
  - Core module: 2 essays of 5,000 words
  - Options: 2 essays of 5,000 words
- Students must submit all course work for taught modules before being allowed to proceed to the dissertation stage.

All modules on this course are non-compensatable. A student must achieve an aggregate mark of 40% in each module to pass the course. A mark of 40% or above in the dissertation is required for the award of the M.Phil. Candidates who satisfy the examiner in all but the dissertation may be considered for the award of a Postgraduate Diploma in Children's Literature. To qualify for an exit diploma students must achieve an overall mark of at least 40% in individual modules amounting to at least 60 credits. Students failing to pass may re-submit work within the duration of the course, if possible.

The Postgraduate Diploma with Distinction may be awarded to students who achieve at least 68% in the unrounded aggregate mark for the taught modules where modules amounting to at least 30 credits have a mark of 70% or above.

**32.7 Distinction:** The M.Phil. with Distinction may be awarded to students who achieve a mark of at least 70% in the dissertation and at least 70% in the final aggregated mark for the course. A distinction cannot be awarded if a candidate has failed any credit during the course.

**32.8 Course Directors:** Professor Amanda Piesse / Professor Pádraic Whyte

### **33. Classics (M.Phil./P.Grad.Dip.)**

**33.1 Introduction:** The M.Phil. in Classics is designed both for those who are already fully trained in the Classical languages, and for those who have completed non-language based degrees. It aims to provide students with grounding in postgraduate research and learning essential for progression to the research register; and with the analytical, written, and verbal communication skills, and the knowledge and insight, necessary to advancement in careers chosen outside the university and education sectors. While the core module communicates basic skills and knowledge of the main strands of Classical scholarship, the taught modules and dissertation offer students the opportunity to begin to specialise in a particular strand, whether literary, historical or archaeological.

**33.2 Admission Requirements:** Applicants will normally be expected to have a first or upper second class honors Bachelor degree (2.1 or equivalent, e.g. GPA of 3.3) in a relevant area. Applicants may be asked for examples of recent written work. Knowledge of Greek or Latin is not required, but students hoping later to pursue a research degree in fields where the written record provides our main sources, will be strongly encouraged to acquire language skills.

**33.3 Duration:** The course is offered on a one-year full-time basis, or two-year part-time basis, starting in September. Teaching will be spread over two 11-week teaching terms. The dissertation must be submitted by 31st August in the year following commencement of the course.

**33.4 Course Structure:** The course consists of one core research skills seminar module taken by all students, a dissertation (15,000-20,000 words) submitted by all students, and four taught (or directed reading) modules taken from the range offered in a given year; in the case of students who wish to take either Greek or Latin language beginners' modules, only two further modules are required.

List of modules:

- 1: Classics Research and Methods – 20 ECTS
- 2: Dissertation – 30 ECTS
- 3: Other modules, including beginning language and directed reading, are available according to staff availability and expertise.

Modules which have fewer than three students will not normally run, but may be offered as directed reading modules. Directed reading modules in Greek and Latin authors will only be available for those with advanced language skills.

33.5 *Assessment:* The pass mark in all modules is 50%. To qualify for the award of the M.Phil., a student must achieve a credit-weighted average mark of at least 50% across the taught modules, and either pass taught modules amounting to 60 credits or pass taught modules amounting to 50 credits and achieve a minimum mark of 40% in any failed modules, and achieve a mark of at least 50% in the dissertation.

Students failing to pass taught modules may present for supplemental examination or re-submit required work within the duration of the course as specified in the course handbook.

In the calculation of the overall M.Phil. mark the weighted average mark for the taught components carries 40% and the mark for the dissertation carries 60%

To qualify for the award of the M.Phil. with Distinction students must achieve a final overall mark for the course of at least 70% and a mark of at least 70% in the dissertation. A distinction cannot be awarded if a candidate has failed any credit during the period of study.

A student who successfully completes all other requirements but does not proceed to the dissertation stage or fails to achieve the required mark of 50% in the dissertation will be recommended for the award of the Postgraduate Diploma. The Postgraduate Diploma will not be awarded with Distinction.

33.6 *Course Director:* Professor Ashley Clements

### **34. Comparative Literature (M.Phil./P.Grad.Dip.)**

34.1 *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.

34.2 *Admission Requirements:* In addition to appropriate proficiency in English, applicants would normally be required to have a good honors Bachelor degree (at least upper second class honors standard), or an equivalent qualification, in a relevant area. They should also be able to show evidence of advanced reading knowledge in a language other than English, or advanced study in two relevant disciplines.

34.3 *Duration and course structure:* The course is full-time and lasts twelve months starting in September of each year. Teaching takes place over two terms. A dissertation will be written in the second half of the year.

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 comparative. With the approval of the Course Director students may be permitted to avail of 10-credit units offered on other M.Phil. courses in the School. There is also a research seminar, in which lecturers are invited to share their expertise with students of both the M.Phil. in Comparative Literature and M.Phil. in Literary Translation.

34.4 *Assessment:* Candidates are assessed throughout the course by coursework and dissertation. In the calculation of the overall mark for the course, all modules are weighted according to their ECTS credit values. The pass mark for all modules, including the dissertation, is 40%. In order to be awarded the degree of M.Phil. in Comparative Literature candidates must satisfy the Court of Examiners by obtaining

- i. an overall average mark of at least 40% and,
- ii. a mark of 40% or above in the dissertation, and
- iii. a mark of 40% or above in individual modules amounting to 60 credits.

Students may compensate in up to 10 credits provided that in addition to (i) – (ii) above, they have an overall average mark of at least 40%, have passed outright modules amounting to 50 credits and have a minimum mark of 30% in the failed module(s).

A distinction may be awarded if a candidate has achieved an overall average mark of 70% or over for the course, has passed all elements, and has been awarded a mark of 70%

or over for the dissertation. A distinction cannot be awarded if a candidate has failed any credit during the course.

Students who have passed the core and options modules outright, or by compensation as outlined above, but who do not choose to complete, or who fail, the Dissertation, may be awarded the Postgraduate Diploma in Comparative Literature. The Postgraduate Diploma with Distinction may be awarded to candidates who, in addition, achieve an overall average mark of 70% or above across the core and options modules.

34.5 *Course Co-ordinator:* Professor Peter Arnds

### **35. Conflict Resolution and Reconciliation (M.Phil./P.Grad.Dip.)**

35.1 *Introduction:* M.Phil. in Conflict Resolution and Reconciliation is a cross-border programme with most modules taught in Northern Ireland, at the Irish School of Ecumenics in Belfast. Conflict resolution and reconciliation are complementary and closely related interdisciplinary fields of study, which draw on politics, social research, and sociology. Students can specialise in a named Master course in either conflict resolution studies or reconciliation studies, or pursue broader studies in a joint course across both fields. The Conflict Resolution field has an additional focus on practical and professional skills, and the Reconciliation Studies field has an additional focus on ethics and theology. The programme gives particular attention to ethnic conflicts and the role of religion in such conflicts.

35.2 *Duration:* Taught M.Phil. One year full-time; two years part-time. Teaching takes place over two twelve-week terms, September to December and January to April.

35.3 *Admission Requirements:* Applications should normally have an upper second class honors Bachelor degree, or 3.2 G.P.A. or above. For further information please contact: the Executive Officer, Conflict Resolution and Reconciliation Programme, Irish School of Ecumenics, Trinity College Dublin at Belfast, 683 Antrim Road, Belfast BT15 4EG, Northern Ireland. Email reconsec@tcd.ie; www.tcd.ie/ise.

35.4 *Course Structure/Content:* Students are required to take taught modules amounting to 60 ECTS credits and complete a dissertation for 30 ECTS credits. The taught modules are:

*Common core module*

1. Research Skills 10 ECTS

*Plus EITHER the required module for the Master in Conflict Resolution Studies:*

2. Conflict Analysis and Models of Intervention 10 ECTS

*OR the required module for the Master in Reconciliation Studies:*

3. Dynamics of Reconciliation 10 ECTS

Students wishing to take the dual track should take both required modules.

Plus additional optional modules to comprise 40 ECTS for single track students (with at least 30 from the specified track) or 30 ECTS for dual track students (with at least 10 from each track) to be taken from the following:

*Conflict Resolution Options*

4. Conflict Resolution Skills 10 ECTS

5. Conflict Transformation 10 ECTS

6. Conflict Resolution Lessons from Comparative Peace Processes 10 ECTS

7. Social Research for Transformation 10 ECTS

8. Guided Research Project 5 ECTS

*Reconciliation Studies Options*

9. Reconciliation in Northern Ireland 10 ECTS

10. Theology of Reconciliation 10 ECTS

11. Community Learning and Reflective Practice in Northern Ireland 10 ECTS

12. Post-Conflict Justice and Truth Commissions. 10 ECTS

13. South Africa: The Ethics of Truth and Reconciliation. 5 ECTS

Not all options may be available in any one year, depending on staff availability and timetabling.

Modules from the Schools M.Phil. in Intercultural Theology and Interreligious Studies and M.Phil. in International Peace Studies (both taught in Dublin) are also open to students on the Conflict Resolution and Reconciliation Studies programme. Students seeking to be assessed for their work on a module in either of the two other courses must first secure the permission of the relevant Course Co-ordinators.

*Dissertation:* 30 ECTS research dissertation (15000 – 20000 words) to be supervised by an appropriate member of staff and to be submitted by 16 August.

35.5 *Assessment:* A combination of assessment methods are used to assess the learning outcomes of the modules, and to ensure the learning outcomes of the programme as a whole. In modules where 100% of the assessment weighting is on a single form of assessment, this will typically total 4,000 words coursework for a 10 credit module (2,000 words for a 5 credit module) and will be most common in analysis modules. Other modules may have some or all of the assessment through a comparable task determined by the course committee. In the calculation of the overall mark for the course, modules are weighted according to their ECTS credit value. The pass mark for all elements is 40%. Part-time students must pass each module taken in the first year in order to proceed to the second year of the course. Students must achieve a mark of at least 40% in each taught module in order to proceed to dissertation, and must receive a mark of at least 40% in the dissertation to be eligible for the degree of M.Phil. A student who has passed taught modules amounting to 60 credits, but who does not wish to submit a dissertation and be considered for the degree of M.Phil., or who fails the dissertation, may instead opt to be considered for a Postgraduate Diploma in Conflict Resolution and Reconciliation by notifying the programme Co-ordinator in writing before 1 April. Such students are required to submit module assessments by 1 May. The Postgraduate Diploma as an exit qualification carries 60 ECTS.

35.6 *Distinction:* Students can be awarded the M.Phil. with Distinction if they achieve a mark of Distinction (70% or above) on their dissertation and in the overall average mark for the course. A Distinction cannot be awarded if the candidate has failed any credit during the course.

35.7 *Course Co-ordinator:* Professor Gladys Ganiel

### **36. Creative Writing (M.Phil.)**

36.1 *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.

36.2 *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 are 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.

36.3 *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 16.

36.4 *Course Structure:* Students are required to take 1) two core modules, that is one creative writing workshop in Michaelmas term and one in Hilary term; 2) two option modules, one in Michaelmas and one in Hilary term, chosen from the options and specialist creative writing workshops on offer; 3) a module on Book Publishing and Editing in Michaelmas and Hilary terms; 4) a module on the Practice of Writing in Hilary term; 5) and are required to hold scheduled meetings with the supervisor of their portfolio in Trinity term.

36.5 *European Credit Transfer System (ECTS):* The total ECTS credits for the course are 90:

Two core workshop modules at 20 ECTS each	= 40 ECTS
Book Publishing and Editing	= 15 ECTS
Irish Writer Fellow Workshop or option module	= 10 ECTS
Portfolio	= 25 ECTS

36.6 *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. written work submitted for the specialist workshops (or option modules).

Students must achieve an overall mark of at least 40% for each module, including the portfolio. Compensation between modules is not permitted. In the calculation of the overall course mark the portfolio carries a weighting of 60% and the overall average mark for the remaining elements is weighted at 40%.

36.7 *Distinction:* A M.Phil. with Distinction may be awarded to students who achieve a distinction in the portfolio by a mark of 70% or higher, having satisfactorily completed all the other elements of the course and having achieved an aggregate mark of 70%.

36.8 *Course Director:* Professor Gerald Dawe  
*Course Administrator:* Ms Lillian Foley

### 37. Digital Humanities and Culture (M.Phil./P.Grad.Dip.)

37.1 *Introduction:* The course provides well-qualified graduates in the Arts, Humanities and Computer Science disciplines with the opportunity to engage in a new and dynamic area of research in digital media practice and theory as it relates to the various disciplines of the arts and humanities. It equips students with the skills necessary to progress to independent research in this and cognate areas. Students will be taught by a team of interdisciplinary experts while having the opportunity of gaining valuable real-world experience through term-long internships.

37.2 *Admission requirements:* Applicants should have a good honors degree (at least an upper second, or a GPA of at least 3.3). A sample of the candidate's own critical writing (3,000-5,000 words) and cover letter is required as well as an interview.

37.3 *Duration:* This programme is offered on a one-year full-time basis or a two-year part time basis. For students taking the course on a part-time basis, all modules will be taken in year 1 and the Dissertation will be undertaken in year 2.

37.4 *Course Structure:* the course comprises three components: 1) Three core modules meeting once a week, two in the first semester and one in the second semester. Theory-based modules meet for two hours weekly; practice-based modules will meet for two or three hours weekly when labs are associated with core concepts; an internship in which students will meet four times per term for seminars in addition to six internship practice hours per week for 11 weeks. 2) optional modules meeting either two hours a week for theory-based modules or three hours a week for practice-based modules. 3) Dissertation.

Optional modules available in 2012-13 will include the following: Digital Scholarly Editing; Cyberculture/Popular Culture; Corpus Linguistics; Computational Theories of Grammar and Meaning; War and Society in Seventeenth-century Ireland; Contextual Media; Programming for Digital Media.

37.5 *European Credit Transfer System:* The course carries a total of 90 ECTS credits  
 Three core modules = 30 credits; three optional modules = 30 credits, dissertation = 30 credits.

37.6 *Assessment:* There will be a variety of assessment methods. Students submit a variety of work for assessment as outlined in the course handbook. Students must satisfactorily complete all assessment elements, pass modules amounting to 50 credits and achieve a credit-weighted average of at least 40% across the taught modules, before being allowed to present the dissertation. A mark of 40% or above in the dissertation is required for the award of the M.Phil.

Students will be expected to write a dissertation of between 15,000 and 20,000 words on an approved topic relating to the course. The dissertation is due by 31 August of the year of entry for full-time students and by 31 August of year two for part-time students.

**37.7 Progression:** All students register on the M.Phil. programme. Part-time students must successfully pass all the requirements of their first year of the course to progress to the second year.

To qualify for the award of the M.Phil. students must achieve an overall credit-weighted average mark of at least 40% across the taught modules, achieve a mark of at least 40% in the dissertation, and pass taught modules amounting to at least 50 credits, including any non-compensatable modules. Students may compensate in up to 10 credits provided they have a minimum mark of 30% in the failed module(s). The overall average mark for the taught component of the course contributes 40% and the mark for the dissertation 60% to the overall degree mark.

The MPhil with distinction may be awarded to candidates obtaining a mark of 70% or more in the dissertation and at least 68% in the unrounded overall average mark for the taught modules, where modules amounting to at least 30 credits each have a mark of 70% or above. A distinction cannot be awarded if a candidate has failed any credit during the period of study. Students who have passed the taught component of the course and accumulated 60 ECTS credits according to the regulations outlined above, but who choose or are recommended not to proceed to the dissertation stage or have failed the dissertation will be considered for a Postgraduate Diploma (exit award).

Students who have not failed any assignment and have achieved an overall credit-weighted average mark of at least 70% across the taught modules are eligible to be considered for an award of Postgraduate Diploma with Distinction.

**37.8 Course Director:** Professor Susan Schreibman

### **38. Early Irish (M.Phil.)**

**38.1 Introduction:** The M.Phil. in Early Irish is the second year of a two-year programme, the first of which is the Diploma in Old Irish. The M. Phil takes the student to a high level of competence in Old Irish, and covers a wide range of prose and verse texts, as well as the history of the language prior to and after the Old Irish period (i.e. Primitive Irish and Middle Irish). It also includes a course in Early Irish legal texts. The course takes place every second year.

**38.2 Admission Requirements:** On completion of the Postgraduate Diploma in Old Irish, candidates who have been awarded a grade of at least second class honors, grade two, will be permitted to proceed to the M.Phil. 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. Students will be admitted every second year.

**38.3 Duration:** The M.Phil will last for a full academic year, beginning in September, and requires full-time study. Candidates will be assessed by examination (in summer) and a dissertation of approximately 20,000 words.

**38.4 Course Structure:** The taught element of the course will extend over two semesters with six contact hours per week. The taught elements will comprise five modules as follows:

1.	Old Irish prose (two hours)	20 ECTS
2.	Old Irish poetry (one hour)	10 ECTS
3.	Primitive and Archaic Irish (one hour)	10 ECTS
4.	Early Irish Law (one hour)	10 ECTS
5.	Middle Irish (one hour)	10 ECTS
	Total	60 ECTS

Students will also (optionally, and subject to availability) attend special guest lectures in a variety of topics related to the study of Early Irish (one hour per month). In addition a dissertation of around 20,000 words, which must be typed and presented in duplicate, is to be submitted not later than by 31st August of the same year (30 ECTS credits).

38.5 *Assessment:* Assessment is by a combination of examination and dissertation. The pass level is 40%. In the calculation of the overall mark for the course, the average mark for the taught modules is weighted at 40%, and the dissertation at 60% of the overall mark. In order to qualify for the award of the M.Phil., students must have achieved a pass mark in each of the taught modules and in the dissertation.

38.6 *Distinction:* In accordance with College regulations for taught Masters courses, students may be awarded a mark of Distinction. A mark of Distinction in the M. Phil. in Early Irish requires a mark of 70% or above in the dissertation and a mark of at least 68% in the unrounded average mark for the taught modules where modules amounting to at least 30 credits have a mark of 70% or above.

38.7 *Course Co-ordinator:* Professor Damian McManus

### 39. Early Modern History (M.Phil./P.Grad.Dip.)

39.1 *Introduction:* The M.Phil. in Early Modern History offers well-qualified graduates in History, the Humanities and the Social Sciences an introduction to research in the political, social, cultural and religious history of Ireland, Britain and continental Europe across the Early Modern period. The course is designed to introduce students to a wide range of issues in, and approaches to, Early Modern History while also providing students with a rigorous training in research methods and relevant skills.

The course is built around Trinity College Library's unparalleled research resources for the period from the Reformation to the French Revolution and reflects the full range of research currently being undertaken in Early Modern history within the Department of History. The course may also serve as an introduction to graduate research for students intending to pursue doctoral studies in Early Modern History.

39.2 *Admission Requirements:* Applications are normally accepted only from persons with a first or upper second class honors Bachelor degree (2.1 or equivalent, e.g. GPA of 3.3 or higher) in an appropriate Humanities or Social Science discipline, e.g. History, Language studies, Literature, Philosophy or European Studies.

39.3 *Duration:* The course is offered on a one-year full-time basis or two-year part-time basis starting in September.

39.4 *Course Structure:* The coursework consists of four elements:

1. Two major modules of study. Students are required to take one term long major module in both Michaelmas and Hilary terms. These modules carry 10 ECTS credits each and are taught by means of weekly two-hour seminars: The range of available modules varies from year to year.

2. From Reform to Revolution: Cultural Change and Political Conflict in Early Modern Europe. This core module in discipline-specific research themes runs throughout the year and is taught by means of weekly seminars. It carries 20 ECTS.

3. Research Training and Skills Modules:

i. Compulsory Modules

a) Approaches to Historical Research: Sources and Methods. 5 ECTS.

b) Dissertation Preparation (i) Libraries and Archives. 5 ECTS.

c) Dissertation Preparation (ii) Guided Reading. 5 ECTS

d) Academic mentoring. 5 ECTS.

ii. Optional Modules: Students may take an optional module by arrangement.

a) Palaeography

b) Latin

4. Dissertation: Students seeking the M.Phil. are required to submit a dissertation of 15,000-20,000 words based on primary sources. The dissertation is due by 31<sup>st</sup> August of the year of entry for full-time students and by 31<sup>st</sup> August of year two for part-time students. The dissertation carries 30 ECTS credits.

39.5 *Assessment:* The pass mark in all modules is 50%. To qualify for the award of the M.Phil., a student must achieve a credit-weighted average mark of at least 50% across the taught modules, and either pass taught modules amounting to 60 credits or pass taught modules amounting to 50 credits and achieve a minimum mark of 40% in any failed modules, and achieve a mark of at least 50% in the dissertation.

Students failing to pass taught modules may present for supplemental examination or re-submit required work within the duration of the course as specified in the course handbook.

In the calculation of the overall M.Phil. mark the weighted average mark for the taught component carries 40% and the mark for the dissertation carries 60%.

To qualify for the award of the M.Phil. with Distinction students must achieve a final overall mark for the course of at least 70% and a mark of at least 70% in the dissertation. A distinction cannot be awarded if a candidate has failed any credit during the period of study. A student who successfully completes all other requirements but does not proceed to the dissertation stage or fails to achieve the required mark of 50% in the dissertation will be recommended for the award of the Postgraduate Diploma. The Postgraduate Diploma will not be awarded with Distinction.

39.6 *Course Director:* Professor Graeme Murdock

#### **40. English Language Teaching (M.Phil./P.Grad.Dip.)**

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

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

(a) to introduce students to central concepts in applied linguistics and English language teaching

(b) via the dissertation component, to introduce students to current research in the teaching of English to speakers of other languages

40.3 *Admission Requirements:* Applicants are normally required to possess a good honors Bachelor degree or equivalent qualification. Preference may be given to applicants with experience of teaching English. Previous knowledge of applied linguistics is not a requirement. All applicants are expected to show proficiency in at least one language other than their first language.

40.4 *Duration:* The course is taken full-time in one year (September to August).

40.5 *Structure:* The course consists of six taught course modules, together with tutorial sessions on research methodology and a dissertation. Four modules are mandatory and two are electives.

*Core modules:*

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

*Elective modules:*

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

Not all elective modules may be available in any one year, depending on staff availability and timetabling. Additional elective modules may be introduced by the course committee at a later date.

40.6 *European Credit Transfer System (ECTS):* The M.Phil. carries 90 ECTS credits:

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

The Postgraduate Diploma carries 60 ECTS credits.

**40.7 *Dissertation:*** In addition to following the taught programme of study, students write a dissertation of not more than 15,000 words on a topic in second language pedagogy, the sociolinguistics of English, or another approved area related to English language teaching. Students are required to follow research ethics procedures as set out in the course handbook. The grounds on which the Court of Examiners may debar students from writing and submitting a dissertation are set out in the course handbook.

**40.8 *Assessment:*** Students are assessed on the basis of their performance in (i) six assignments as specified in the course handbook, each related to the course modules of the course and (ii) their dissertation. Assignment submission deadlines are as set out in the current course handbook; dissertations must be submitted not later than 31st August in the year in which the course is completed. All modules and the dissertation are weighted according to their ECTS credit value. The pass mark of 40% applies to all module assignments; the dissertation is graded on a pass/distinction/fail basis. To qualify for the award of the M.Phil. degree, students must (i) obtain an average of at least 40% over all taught modules, (ii) obtain a pass grade in the dissertation, and (iii) either pass modules amounting to 60 credits, or pass modules amounting to at least 50 credits where there is a mark of not less than 30% in the failed module.

Students may be awarded the M.Phil. with Distinction if they (i) pass all modules; (ii) achieve a Distinction in the dissertation; (iii) achieve at least 68% in the unrounded overall average mark for the taught modules; and (iv) achieve at least 70% in each of three course modules. 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 English Language Teaching, provided that they (i) obtain an average over all taught modules of at least 40% and (ii) either pass modules amounting to 60 credits, or pass modules amounting to at least 50 credits where there is a mark of not less than 30% in the failed modules. The Postgraduate Diploma with Distinction may be awarded to candidates who (i) have passed all modules, (ii) have an overall average mark of 68% or above and (iii) have a mark of at least 70% for each of three course modules.

**40.9 *Course Co-ordinator:*** Professor Breffni O'Rourke

## **41. European Studies (M.Phil./P.Grad.Dip.)**

**41.1 *Introduction:*** This interdisciplinary course is designed to provide an overview of European intellectual and cultural history, looking at Europe and its history from a range of critical perspectives. It builds on the inclusive, interdisciplinary approach of Trinity's undergraduate European Studies course, but with a higher level of intellectual sophistication and breadth. The core module ('Europe and its Other(s): Ideas, identities and symbolic geographies in Europe'), which runs over two semesters, introduces a number of theoretical approaches to European intellectual, cultural and political history. A range of optional modules permits students to apply and develop these approaches, with a focus both on distinct national or regional cultures and histories on the one hand, and/or specific issues and problems in European history and culture(s) on the other.

**41.2 *Admission Requirements:*** Applicants are normally required to have a good honors Bachelor degree (at least upper second class honors standard), or an equivalent qualification, in a cognate area. In addition, applicants should normally have an advanced reading knowledge of at least one language other than English from among those offered by the School of Languages, Literatures and Cultural Studies at Trinity College Dublin.

**41.3 *Duration:*** The course is taken full-time in one year, starting in September of each year. Teaching takes place over two semesters, followed by a four-month dissertation-writing period.

41.4 *Course Structure:* The course consists of a two-part core module taken by all students 'Europe and its Other(s): Ideas, identities and symbolic geographies in Europe', together with four options chosen from the range offered in a given year, and a dissertation of up to 20,000 words on a subject approved by the Course Co-ordinator. With the approval of the Course Co-ordinator, students may choose no more than two of their optional modules from among those offered on other M.Phil. courses.

41.5 *Assessment:* Candidates are assessed throughout the course by coursework and dissertation. In order to qualify for the award of the M.Phil., students must obtain an overall pass mark for the course, a pass in the core module and in the dissertation, and obtain a pass in their options modules amounting to at least 30 credits, and achieve a mark of at least 30% in any failed module. The pass mark for all elements is 40%. All modules are weighted according to their credit values.

A distinction may be awarded if a candidate has achieved an overall mark of 70% or over, has passed all elements, and has been awarded a mark of 70% or over for the dissertation.

Students who have passed the core and options modules as outlined above, but who do not choose to complete, or who fail, the dissertation element, may be awarded the Postgraduate Diploma in European Studies. The Postgraduate Diploma with distinction may be awarded to candidates who, in addition, have achieved an overall average mark of at least 70% across all modules.

41.6 *ECTS:* The total credit volume for the course is 90:  
Core module = 20 credits  
4 options at 10 credits each = 40 credits  
Dissertation = 30 credits

41.7 *Course Co-ordinator:* Professor Balázs Apor

## **42. Film Theory and History (M.Phil./P.Grad.Dip.)**

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

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

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

42.4 *Course structure:* The course consists of 3 core modules, 4 elective modules, and a dissertation and carries 90 ECTS credits.

- Dissertation

A dissertation of approximately 15,000 words on an approved topic to be supervised by an appropriate member of staff. (25 ECTS)

Core Modules:

- Research Methodologies

This module prepares students for the formal processes of research and writing at M.Phil level. Classes will cover library use, archival skills, electronic resources, use of Endnote, research skills, note taking, writing and oral presentation and power-point techniques. (Taught module: 5 ECTS)

- Film Theory and History 1 (Critical attitudes)

This module will pay attention to the diverse ways in which cinematic space and time has been conceived and constructed in different historical, cultural and aesthetic contexts. In addition, by bringing together key writings on cinema, this course will trace debates in film theory and criticism historically. It will then reconsider those same debates in the light of knowledge and ideas provoked by close analytical attention to the chosen films. In this way, a dialogical relationship will be established between theoretical and aesthetic concerns in film studies with a view to enhancing our understanding of how the medium has been used

creatively at different times in its development. (Taught module: 10 ECTS)

- Film Theory and History 2 (Aesthetics of Digital Cinema)

This module traces the history of the development of the digital image with specific reference to its application to filmmaking. We will look at the analogue origins of the digital image and discuss the aesthetic implications of the shift to digital film. Further we will discuss developing models of criticism and their application to the digital cinematic image. We will draw examples from Western (Hollywood, Danish, British) cinemas and non-Western (Iranian) cinemas, as well as from other outputs such as Youtube. (Taught module: 10 ECTS)

Elective Modules:

- Visual Culture in Ireland from the Enlightenment to Silent Cinema

This module will explore the evolution of popular visual culture from the eighteenth to the early twentieth century, including the discoveries of optics and their role in the development of the projected visual entertainment known as the magic lantern; the discovery by Irishman Robert Barker in the late 18<sup>th</sup> century of the panorama, the first major commercial visual entertainment; the intersection of these science and entertainment practices with the discourses of the Enlightenment; how popular cultural activities gradually became incorporated into fixed site venues; the emergence of material/commodity culture and its relationship to entertainment practices; how moving panoramas, photography and other innovations lead in the 1890s to the cinematograph; and how early and silent cinema merged these technologies and narrative practices into what became the most popular visual entertainment of the twentieth century, classical narrative cinema. In tracing these developments in Ireland, the broader European and American contexts will also be explored. (Taught module: 10 ECTS)

- Cinema and Ireland from the early Sound Era to the Present

This module will explore the history of Irish cinema from the 1930s to the present. It will also cover such areas as state film production policies, film censorship, and the history of Irish film distribution and exhibition. In addition, it will trace how British and American cinemas have represented Ireland and the Irish, and it will examine representations of political violence, history, gender and the cinema of the Celtic Tiger years, while also focusing on Ireland's two most prominent auteurs, Neil Jordan and Jim Sheridan. (Taught module: 10 ECTS)

- Post-Classical American Cinema

This module will seek to present an in-depth examination of the period of upheaval in American cinema from the late-sixties through to the early eighties. This era, during the emergence of "New Hollywood," comprehended shifts in the conception, production and reception of film in the United States, as the industry atomised and American audiences demanded a new cinematic experience. The course will address key changes in film at this time through an assessment of foreign and domestic artistic influences, developments in the studio system, the rise of new directorial and industry forces, and the mainstreaming of marginal productions, as well as broad scale cultural shifts. (Taught module: 10 ECTS)

- Post-Classical European Cinema

This module will look at and examine the changes taking place in cinema in Europe in the latter part of the twentieth century and the beginning of the twenty-first. This was a period that saw enormous transformation throughout the continent - both East and West - when the post World War II political dispensation collapsed and Cold War divisions crumbled. The fall of the Berlin Wall in 1989, the break-up of the Soviet Union in 1991 and the subsequent overthrow of the remaining Stalinist regimes in Eastern & Central Europe, the emergence of the European Union as a transnational political entity in 1992, and the globalisation of the world economy all impacted on the way in which films were made and the type of themes they explored and topics they tackled. (Taught module: 10 ECTS)

Practice Based Elective Modules:

- Editing

This module will introduce students to the craft of editing, giving students an understanding of the essential technical and creative skills involved: how a scene is assembled and seamlessly put together, cutting dialogue, creating tension and drama using editing, using pacing, editing to rhythm, cutting to music and beats. It will also provide students with a thorough knowledge of the editing software, Final Cut Pro, covering all aspects of the software, from capture and system-settings, editing tools and shortcuts, to effects, transitions and colour correction. The overall aim is to give students the knowledge, tools and confidence to complete their own work to a professional standard. (Taught module: 10 ECTS)

- Creative Documentary Practice

The aim of this module is expose students to the possibilities of creative documentary film making with a strong emphasis on learning thorough practical application. The module will take a critical look at current practices in the genre with an emphasis both on the techniques of documentary filmmaking and the practicalities of how films are made. (Taught module: 10 ECTS)

- **Screenwriting**

This module will introduce students to the principles of screenwriting. Students will develop their skills in developing, structure and writing a short script through class exercises and analysis of scripts. (Taught module: 10 ECTS)

Further elective modules may be selected from the menu of elective modules available to M.Phil. students within the School of Drama, Film and Music. Detailed information will be made available prior to the beginning of the academic year. (Taught module: 10 ECTS)

Please note: all modules are subject to change and/or availability.

42.5 *Assessment:* Assessment is by a combination of coursework and dissertation.

1. Six module essays of 3,000-4,000 words each (or equivalent practice-based assessment).

Total ECTS: 60.

2. Dissertation of approximately 15,000 words and Research Methodologies.

Total: ECTS: 30.

The pass mark for all 10 credit module assessments, and the dissertation, is 50%. In the calculation of the overall mark for the course, each module is weighted according to its ECTS credit weighting. Students may compensate for one fail mark (between 40% and 49% only) in one 10 credit module as long as the overall credit-weighted average mark across the six taught 10-credit modules is 50% or over, and students have passed taught modules amounting to at least 50 credits. Students must also achieve a mark of 50% or over in the dissertation in order to pass the course as a whole. All components of the course must be completed by the beginning of September.

42.6 *M.Phil. with Distinction:* Students of the M.Phil. in Film Theory and History may be awarded with a mark of distinction in the degree if they achieve an overall mark of at least 70%, including at least 70% in the dissertation, and provided that no credit-bearing element has been failed (i.e. achieved a mark below 50%) during the period of study.

42.7 *Postgraduate Diploma in Film Theory and History:* A student who does not wish to submit a dissertation and be considered for the degree of M.Phil. may instead opt to be considered for a Postgraduate Diploma in Film Theory and History by applying to the Course Director in writing before the end of April. Such students are required to submit all six taught 10-credit module essays or equivalent assessments (60 ECTS). Such students may compensate for one fail mark (between 40% and 49% only) in these six assessments as long as the overall mark across all six 10-credit modules is 50% or over and students have passed modules amounting to at least 50 credits. Where a student achieves an overall pass for their taught assessments but does not reach the required standard in the dissertation, she or he may be eligible for the award of a Postgraduate Diploma in Film Theory and History. The Postgraduate Diploma may be awarded with Distinction to candidates who achieve an overall average mark of at least 70% across the six taught 10-credit modules. A distinction cannot be awarded if a candidate has failed any credit during the course.

42.8 *Course Co-ordinator:* Professor Paula Quigley

### **43. Gender and Women's Studies (M.Phil./P.Grad.Dip.)**

43.1 *Introduction:* This course is designed to provide a critical understanding of the current scholarship on the position and representation of gender and women in society. Drawing on insights and perspectives from a number of academic fields, the course is both interdisciplinary and multidisciplinary.

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

43.3 *Duration:* One year full-time or two years part-time.

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

1. Core Modules:

a) Theories of Gender	10 ECTS
b) Gender Research Seminar	5 ECTS
c) Dissertation Seminar	5 ECTS

2. Optional Modules: Optional modules and directed reading are available according to staff availability and expertise. Modules which have fewer than three students will not normally run, but may be offered as directed reading modules. Students will take 4 optional modules. All optional modules carry 10 ECTS credits.

3. Dissertation: M.Phil. students are required to write a dissertation of 15,000-20,000 words on any approved topic relating to women or gender. The dissertation carries 30 ECTS credits.

43.5 *Assessment:* The pass mark in all modules is 50%. To qualify for the award of the M.Phil., a student must achieve a credit-weighted average mark of at least 50% across the taught modules, and either pass taught modules amounting to 60 credits or pass taught modules amounting to 50 credits and achieve a minimum mark of 40% in any failed modules, and achieve a mark of at least 50% in the dissertation.

Students failing to pass taught modules may present for supplemental examination or re-submit required work within the duration of the course as specified in the course handbook.

In the calculation of the overall M.Phil. mark the weighted average mark for the taught components carries 40% and the mark for the dissertation carries 60%.

To qualify for the award of the M.Phil. with Distinction students must achieve a final overall mark for the course of at least 70% and a mark of at least 70% in the dissertation. A distinction cannot be awarded if a candidate has failed any credit during the period of study.

A student who successfully completes all other requirements but does not proceed to the dissertation stage or fails to achieve the required mark of 50% in the dissertation will be recommended for the award of the Postgraduate Diploma. The Postgraduate Diploma will not be awarded with Distinction.

43.6 *Course Director:* Professor Catherine Lawless

#### **44. Intercultural Theology and Interreligious Studies (M.Phil./P.Grad.Dip.)**

44.1 *Introduction:* Intercultural theology and interreligious studies constitute a growing and internationally-acknowledged field of specialization that has emerged from theological and religious studies scholarship, particularly in Europe, the USA and at various centres of academic study and learning around the world. This new combination of fields extends interdisciplinary relationships – not only with history, philosophy and other traditional dialogue partners of classical "faith and order" ecumenism – but also reinterprets these traditional disciplines in a dynamic relationship with 1) the evolving fields of world Christianity studies and intercultural theology; 2) various new disciplines of interreligious learning in theology and religion (especially comparative theology); and 3) new developments in religions and international relations and in global ethics.

44.2 *Admission Requirements:* Applicants should normally have an upper second class honors Bachelor degree, or 3.2 G.P.A., or above. Students not meeting these requirements may exceptionally be considered at the discretion of the Dean of Graduate Studies. For further information please contact the Executive Officer, Intercultural Theology and Interreligious Studies: Email: [ecumsec@tcd.ie](mailto:ecumsec@tcd.ie); Web: [www.tcd.ie/ise](http://www.tcd.ie/ise).

44.3 *Course Structure/Content:* Students are required to take taught modules amounting to 60 ECTS credits (3 core and 3 optional modules drawn from a range of thematic *concentrations*), and complete a dissertation for 30 ECTS credits. The taught modules are organized into four distinct tracks (A,B,C,D), each further subdivided into thematic *concentrations*. All four tracks share two common obligatory core modules:

"Translating God(s): Intercultural Theology and Interreligious Studies" (10 ECTS) in which students explore the ecumenical, cross-cultural and interreligious challenges in Europe for theology and religion today, thus preparing themselves for the new academic disciplines of intercultural theology, comparative theology, and the various fields of interreligious studies and "Research and Methods" (10 ECTS) which involves investigating various types of research methods – deductive, inductive, analytic, action-based, social, participative, etc., with particular attention being paid to the challenges raised by research activity in the interests of peace and dialogue. A third obligatory core module defines the substantive concerns of the specific track.

Track A: Christian Ecumenical Theologies

*Track-specific core module: Authority, Tradition, Experience: Ecumenics as Intercultural Theology* 10 ECTS

Track B: World Christianity and Intercultural Theology

*Track-specific core module: World Christianity and Interreligious Dialogue* 10 ECTS

Track C: Comparative Theology and Interreligious Studies

*Track-specific core module: Comparative Theology and Interreligious Studies: Meaning and Practice* 10 ECTS

Track D: Religions and Ethics in a Pluralist World

*Track-specific core module: Religions and Ethics in a Pluralist World* 10 ECTS

Students are also required to take three optional modules from their chosen track:

Track A: Christian Ecumenical Theologies

*Concentration i Faith, Order and Unity*

Nature, Grace and the Triune God 10 ECTS

Developing Doctrine: Identity and Change in Christian Tradition 10 ECTS

Interpreting Ecumenical Ecclesiology 10 ECTS

*Concentration ii Ecumenical Theology as Intercultural Engagement*

An Ecumenics of Loss: Religion, Modernity and Reconciliation 10 ECTS

Creation, Cosmology and Ecotheology 10 ECTS

Engaging Religious Fundamentalism 10 ECTS

Cross-cultural Ministry and Interreligious Encounter 10 ECTS

Track B: World Christianity and Intercultural Theology

*Concentration i World Christianity Studies*

Christian Seeds in Hindu Soil: Christianity in South Asia 10 ECTS

The Church in the Shadow of the Mosque: Christianity in the World of Islam 10 ECTS

*Concentration ii Intercultural Theology*

On Being Human: Theological Anthropology in Cross-cultural Perspective 10 ECTS

The Many Faces of Jesus: Christology and Cultures 10 ECTS

*Concentration iii Cross-cultural Ethics and Ministry*

Comparative/Interreligious Ethics 10 ECTS

Cross-cultural Ministry and Interreligious Encounter 10 ECTS

Track C: Comparative Theology and Interreligious Studies

*Concentration i Comparative Theology*

Muslim God, Christian God: Islam and Muslim-Christian Comparative Theology 10 ECTS

Hindu God, Christian God: Hinduism and Hindu-Christian Comparative Theology 10 ECTS

*Concentration ii Study of Religions' Interrelations*

Judaism and Jewish-Christian Relations 10 ECTS

Issues in Buddhist-Christian Dialogue 10 ECTS

*Concentration iii World Christianity in Interreligious Contexts*

Christian Seeds in Hindu Soil: Christianity in South Asia 10 ECTS

The Church in the Shadow of the Mosque: Christianity in the World of Islam 10 ECTS

Track D: Religions and Ethics in a Pluralist World

*Concentration i Peace and International Development*

Conflict Resolution and Nonviolence 10 ECTS

Armed Conflict, Peacebuilding and Development 10 ECTS

The Politics of Development 10 ECTS

Gender, War and Peace	10 ECTS
Creation, Cosmology and Ecotheology	10 ECTS
Northern Ireland: Conflict, Religion and the Politics of Peace	10 ECTS
<i>Concentration ii Religion, Ethics and International Relations</i>	
Religions and International Relations	10 ECTS
Ethics in International Affairs	10 ECTS
Human Rights in Theory and Practice	10 ECTS
Comparative/Interreligious Ethics	10 ECTS

Students are required to take three core modules and three optional modules of their choice for assessment purposes. In addition, there is an option to pursue fieldwork in Northern Ireland.

Modularization permits individual modules to be offered in more than one track. Not every module may be offered each year. With the agreement of the Course Co-ordinator, students may be assessed in modules chosen from more than one track, or from modules offered in another of the Schools taught M.Phil. courses.

Not all options may be available in any one year, depending on staff availability and timetabling.

44.4. *Duration:* Taught M.Phil.: One year full-time; two years part-time. Teaching takes place in Dublin over two twelve-week terms, September to December and January to April.

44.5. *Assessment:* A combination of assessment methods is used to assess the learning outcomes of the modules, and to ensure the learning outcomes of the course as a whole. In modules where 100% of the assessment is on a single form of assessment, this will typically total 4,000 words of coursework for one 10 ECTS module. Modules may have some or all of the assessment through a comparable task or portfolio of work determined by the course committee as appropriate to the modules' learning outcomes and to meet the learning outcomes of the course as a whole. In the calculation of the overall mark for the course, modules are weighted according to their ECTS credit value. The pass mark for all elements is 40%.

Students must achieve a mark of at least 40% in taught modules totalling 60 ECTS, in order to proceed to dissertation, and must receive a mark of at least 40% in the dissertation to be eligible for the degree of M.Phil. Students can be awarded the M.Phil. with Distinction if they achieve a mark of Distinction (70% or above) on their dissertation, and in the overall average mark for the course. A Distinction cannot be awarded if a candidate has failed any credit during the course.

Students who are granted permission to proceed to the dissertation submit a 30 ECTS research dissertation (15,000-20,000 words) by 16 August.

A student who does not wish to submit a research dissertation and be considered for the degree of M.Phil., or who fails the dissertation, may instead opt to be considered for a Postgraduate Diploma in Intercultural Theology and Interreligious Studies, provided that they have passed modules amounting to 60 credits. The Postgraduate Diploma may be awarded with Distinction to candidates who, in addition, have achieved an overall average mark of 70% or above. Students not wishing to proceed to the dissertation stage should inform the Course Co-ordinator, in writing, by 1 April. Such students are required to submit module assessments by 1 May. The Postgraduate Diploma as an exit qualification carries 60 ECTS credits.

44.6 *Course Co-ordinator:* Professor Andrew Pierce

#### **45. International Peace Studies (M.Phil./P.Grad.Dip.)**

45.1 *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 course 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.

45.2 *Admission Requirements:* Applicants should normally have an upper second class

honors Bachelor degree, or 3.2 G.P.A. or above. Students not meeting these requirements may exceptionally be considered at the discretion of the Dean of Graduate Studies. For further information please contact the Executive Officer, International Peace Studies Programme: Email: [peacesec@tcd.ie](mailto:peacesec@tcd.ie); Web: [www.tcd.ie/ise](http://www.tcd.ie/ise).

45.3 *Course Structure/Content*: Students are required to take taught modules amounting to 60 ECTS credits and to complete a dissertation for 30 ECTS credits. The Postgraduate Diploma as an exit qualification carries 60 ECTS credits.

A. Core Modules - compulsory:

The Politics of Peace and Conflict	(10 ECTS)
Research Methods	(10 ECTS)

B. Module Options

International Politics	(10 ECTS)
Ethics in International Affairs	(10 ECTS)
Conflict Resolution and Nonviolence	(10 ECTS)
Armed Conflict, Peacebuilding and Development	(10 ECTS)
The United Nations and Peacekeeping	(10 ECTS)
Human Rights in Theory and Practice	(10 ECTS)
Gender, War and Peace	(10 ECTS)
Northern Ireland: Conflict, Religion and the Politics of Peace	(10 ECTS)
The Politics of the Idea of Europe	(10 ECTS)
Race and Ethnicity, Theoretical Concepts	(10 ECTS)
Ethnic Conflict, Peace and the State	(10 ECTS)

Not all options may be available in any one year, depending on staff availability and timetabling.

45.4 *Module Descriptions*:

The Politics of Peace and Conflict: Theories of peace; the ethics of peace and war; culture, conflict and peace; peacebuilding and conflict prevention; the role and effectiveness of peace movements.

Research Methods: Dealing with an interdisciplinary area of study; qualitative and quantitative approaches to research; approaching the literature; formulating hypotheses; research 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 intervention; just war reasoning and the 'war on terror'; globalisation and the ethical imperative; media ethics.

Conflict Resolution and Nonviolence: Theories of nonviolence; nonviolence and political action; official and unofficial mediation processes; culture and conflict resolution.

Armed Conflict, Peace-building and Development: The evolution of development theory; development ethics; alternative development; the impact of armed conflict on developing countries; peacebuilding and development; case studies from South Asia, Central America, West Africa.

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, War and Peace: Foundational lectures on the concepts of gender and sex and related debates on biology and social construction; the analysis of war, militaries and violence, peace and peacebuilding through gendered lenses.

Northern Ireland: Conflict, Religion and the Politics of Peace: 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 module and there will be an additional cost. The Politics of the Idea of Europe: World War II; peace project; integration and international relations theory; EU policy-making; EU and conflict resolution.

Race and Ethnicity, Theoretical Concepts: An overview of the major concepts of race, ethnicity, racism and antiracism.

Ethnic Conflict, Peace and the State: An overview of knowledge claims about conflict, culture and identity that underpin ethnic conflict.

Mediation Summer School: There is a one-week Mediation Summer School that provides an opportunity to develop practical skills in the area of conflict resolution and mediation.

Modules in M.Phil. in Intercultural Theology and Interreligious Studies and in M.Phil. in Conflict Resolution and Reconciliation are open to students on the International Peace Studies programme. Students seeking to be assessed for their work on a module in either of the two other programmes must first secure the permission of the relevant Course Co-ordinators.

45.5 *Duration:* Taught M.Phil.: One year full-time; two years part-time. Teaching takes place in Dublin over two twelve-week terms, September to December and January to April.

45.6 *Assessment:* Each module requires coursework totalling 4,000 words to be submitted according to the internal deadlines distributed at the beginning of each academic year. The 30 ECTS dissertation is 15,000-20,000 words long, and is to be submitted by 16 August. In the calculation of the overall mark for the course, modules are weighted according to their ECTS credit value. The pass mark for all elements is 40%. Part-time students must pass all modules taken in the first year in order to proceed to the second year of the course. Students must achieve a mark of at least 40% in each module in order to proceed to dissertation, and must receive a mark of at least 40% in the dissertation to be eligible for the degree of M.Phil.

Students can be awarded the M.Phil. with Distinction if they achieve a mark of Distinction (70% or above) on their dissertation and in the overall average mark for the course. A Distinction cannot be awarded if the candidate has failed any credit during the course. A student who does not wish to submit a dissertation and be considered for the degree of M.Phil. or who fails the dissertation, may instead opt to be considered for a Postgraduate Diploma in Peace Studies provided that they have passed modules amounting to 60 credits. The Postgraduate Diploma may be awarded with Distinction to candidates who, in addition, have achieved an overall average mark of 70% or above. Students not wishing to proceed to the dissertation stage should notify the programme Co-ordinator in writing before 1 April. Such students are required to submit module assessments by 1 May.

45.7 *Course Co-ordinator:* Professor Etain Tannam

## **46. Irish Art History (M.Phil./P.Grad.Dip.)**

46.1 *Introduction:* The M.Phil. in Irish Art History provides an intensive and extensive programme exploring key aspects of the history and analysis of Irish art from the pre-Christian period to the present day. The course is designed both for graduates of art history and for those from other, cognate disciplines who wish to develop a specialisation in visual art. While focused on Irish art, it is explored within international and interdisciplinary contexts, in order to provide graduates with a range of transferable analytical and practical skills that can be applied within other cultural environments. A core dimension of the programme will involve exploring the concept of 'Irishness'. A particular advantage of this course is the easy access to so many relevant art objects and structures in, and in the vicinity of, Trinity College as well as to extensive library and archival resources.

46.2 *Admission Requirements:* Candidates must hold a good honors Bachelors degree, normally an upper second class honors or above, or equivalent. An undergraduate degree in Art History is preferable, but not essential.

46.3 *Duration:* The course is for one year, on a full-time basis, commencing in September.

46.4 *Course Structure:* The M.Phil. in Irish Art History consists of taught modules, totalling

60 ECTS, and a dissertation (15,000-20,000 words) carrying 30 ECTS on a subject chosen by the student. The taught element is intended to prepare students for research by establishing the foundations of knowledge and understanding of Irish art, and the methods for its critical analysis. This includes modules addressing research methodologies and skills, while the remainder are devoted to analysing the general development of Irish art over time, the establishment of the canon, and its critique, supplemented by a more detailed study of a selected period or theme. Other modules address curatorial perspectives, and involve site and gallery visits for direct engagement with art objects and structures, exhibitions and collections. Modules are offered according to staff availability.

**46.5 Assessment:** The pass mark in all modules is 50%. To qualify for the award of the M.Phil., a student must achieve a credit-weighted average mark of at least 50% across the taught modules, and either pass taught modules amounting to 60 credits or pass taught modules amounting to 50 credits and achieve a minimum mark of 40% in any failed modules, and achieve a mark of at least 50% in the dissertation.

Students failing to pass taught modules may present for supplemental examination or re-submit required work within the duration of the course as specified in the course handbook.

In the calculation of the overall M.Phil. mark the weighted average mark for the taught components carries 40% and the mark for the dissertation carries 60%.

To qualify for the award of the M.Phil. with Distinction students must achieve a final overall mark for the course of at least 70% and a mark of at least 70% in the dissertation. A distinction cannot be awarded if a candidate has failed any credit during the period of study.

A student who successfully completes all other requirements but does not proceed to the dissertation stage or fails to achieve the required mark of 50% in the dissertation will be recommended for the award of the Postgraduate Diploma. The Postgraduate Diploma will not be awarded with Distinction.

**46.6 Course Director:** Professor Yvonne Scott

## **47. Irish Writing (M.Phil./P.Grad.Dip.)**

**47.1 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 Irish writing in English from late sixteenth century to the present. It also addresses thematic aspects of the field.

**47.2 Admission Requirements:** Applicants should normally have a good honors degree (at least of upper second standard or GPA of 3.3) or equivalent qualification. Some previous knowledge of Irish writing is desirable.

**47.3 Duration:** The course lasts for one year from September and requires full-time study.

**47.4 Course Structure/Content:** The course consists of five modules:

a) Perspectives in Irish Writing. This module offers students the opportunity to study the course of Irish Writing in English from 1590 to the present from a variety of perspectives which include: Introduction to Irish Writing 1590 - 1800; Ideas of the Nation 1800-1850; Towards the Revival; Edwardian Ireland; Revolution, war and Irish Writing; Nation and the international crisis; Ireland, literature and modernity; Irish literature and 'The Troubles'; current writing. This module is taught in one two-hour session per week in Michaelmas and Hilary terms.

b) Single authors: Swift, Yeats; Joyce, Beckett. In this module Swift and Yeats are studied in one two-hour weekly session in Michaelmas term. Joyce and Beckett are studied in one two-hour weekly session in Hilary term.

c) A number of option modules are offered in Michaelmas and Hilary terms. Students are required to take one of the options offered in Michaelmas term and one of the options offered in Hilary term. Options are normally available in subjects such as the history of Irish theatre; Irish women writers; the contemporary Irish novel; modern Irish poets.

In place of an option module 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.

d) A dissertation on an aspect of Irish writing 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.

47.5 *European Credit Transfer System (ECTS)*: The course carries a total of 90 ECTS credits:

Perspectives in Irish Writing	= 20 ECTS
Single Authors	= 20 ECTS
2 X Options	= 20 ECTS
Dissertation	= 30 ECTS

The Postgraduate Diploma in Irish Writing carries 60 ECTS credits.

47.6 *Assessment*: Assessment is by a combination of written papers (in the case of Creative Writing by presented work) and dissertation. All modules are weighted in the calculation of the overall mark for the course according to their ECTS credit value. The pass mark for all elements is 40%.

Students must complete the other elements of the course satisfactorily before being allowed to present the dissertation. None of the course modules is compensatable. To pass the course a student must achieve a mark of 40% or higher on the dissertation and pass each module.

47.7 *Distinction*: The M.Phil. with Distinction may be awarded to students who achieve a mark of 70% or higher on their dissertation and at least 68% in the taught course work where modules amounting to at least 30 credits have a mark of at least 70%.

47.8 *Postgraduate Diploma in Irish Writing*: Candidates who satisfy the examiners in all modules but not in the dissertation, or who choose not to submit a dissertation, may be considered for the award of the Postgraduate Diploma in Irish Writing. To be awarded the Diploma, a student must achieve at least 40% in each of the taught modules, thereby obtaining 60 credits. A Diploma with Distinction may be awarded to a student achieving an overall average mark of at least 70%.

47.9 *Course Directors*: Professor Nicholas Grene  
Professor Eve Patten  
*Administrator*: Ms Lilian Foley

## 48. Linguistics (M.Phil./P.Grad.Dip.)

48.1 *Introduction*: This course, which shares elements in common with the M.Phil. courses in Applied Linguistics, English Language Teaching, and Speech and Language Processing, is offered by the School of Linguistic, Speech and Communication Sciences.

48.2 *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.

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

48.4 *Duration*: The course is taken full-time in one year from the end of September or part-time in two years. Only the part-time option is available to students who require to remain in employment while taking the course.

48.5 *Structure*: The course consists of six taught modules, together with tutorial sessions on research methodology and a dissertation. The taught modules are made up of four mandatory core modules and two elective options. Part-time students taken two core modules and one elective module per year as specified in the course handbook. A part-time student in the first year who either (i) fails more than one module, or (ii) receives a mark of less than 30% in any module, may not proceed to the second year.

Core modules:

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

Elective modules:

- 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 elective modules may be available in any one year, depending on staff availability and timetabling. Additional elective modules may be introduced by the course committee at a later date.

48.6 *European Credit Transfer System (ECTS)*: The M.Phil. carries 90 ECTS credits:  
Six course modules at 10 = 60 ECTS  
Dissertation at 30 = 30 ECTS

The Postgraduate Diploma carries 60 ECTS credits.

48.7 *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 syntactic, semantic, and pragmatic theory; sociolinguistics; experimental phonetics and phonology; or another approved area in linguistics. Students are required to follow research ethics procedures as set out in the course handbook. The grounds on which the Court of Examiners may debar students from writing and submitting a dissertation are set out in the course handbook.

48.8 *Assessment*: Students are assessed on the basis of their performance in (i) six assignments, as specified in the course handbook, each related to the modules of the course and (ii) their dissertation. Assignments submission deadlines are as set out in the course handbook; dissertations must be submitted not later than 31st August in the year in which the course is completed. All modules and the dissertation are weighted according to their ECTS credit value. The pass mark of 40% applies to all module assignments; the dissertation is graded on a pass/distinction/fail basis. To qualify for the award of the M.Phil. degree, students must (i) obtain an average of at least 40% over all taught modules, (ii) obtain a pass grade in the dissertation, and (iii) either pass modules amounting to 60 credits, or pass modules amounting to at least 50 credits where there is a mark of not less than 30% in the failed module.

Students may be awarded the M.Phil. with Distinction if they (i) pass all modules; (ii) achieve a Distinction in the dissertation; (iii) achieve at least 68% in the unrounded overall average mark for the taught modules; and (iv) achieve at least 70% in each of three course modules. 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 (i) obtain an average over all taught modules of at least 40% and (ii) either pass modules amounting to 60 credits, or pass modules amounting to at least 50 credits where there is a mark of not less than 30% in the failed modules. The Postgraduate Diploma with Distinction may be awarded to candidates who (i) have passed all modules, (ii) have an overall average mark of 68% or above and (iii) have a mark of at least 70% for each of three course modules.

48.9 *Course Co-ordinator*: Professor Breffni O'Rourke

## 49. Literary Translation (M.Phil./P.Grad.Dip.)

49.1 *Aims*: A graduate of the course will be qualified to work as a literary translator 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.

49.2 *Course Structure:* The course is one-year, full-time from September to August.

Modules taken by all students:

- 1) 'Theory and Methodology': this core module is shared with the M.Phil. in Comparative Literature during Michaelmas term, and focuses on the theory and history of translation during Hilary term.
- 2) Texts and Translations: through a series of seminars on literary text types and their translation(s) into English students familiarize themselves with the art and techniques of literary translation.
- 3) Translation Seminar: focuses on practical translation skills by way of texts from different cultures that students translate into English and other target languages.
- 4) Research Seminar: designed to advance students' research skills. Students also present their dissertation topics and attend lectures given by internationally renowned visiting lecturers.
- 5) Options: Students will select one option in each term.

49.3 *Admission:* Applicants should hold a good honors Bachelor degree in at least one language, or a degree plus proven language competence, or experience at a suitable level as a translator.

49.4 *Assessment procedures:*

Core module: 'Theory and Methodology' / 'Theory and History': by one essay.

Options: by one essay in each option

A dissertation will be written in the second half of the year. The dissertation may be either an annotated translation or an academic treatment of a subject in translation studies or comparative literature. Length: 15000 to 20,000 words. Students will also produce a translation portfolio consisting of 35 to 40 pages of work to be translated.

49.5 *European Credit Transfer System (ECTS):*

One core module	= 20 ECTS
Two options at 10 each	= 20 ECTS
Portfolio	= 20 ECTS
Dissertation	= 30 ECTS

The M.Phil. carries 90 ECTS credits. In the calculation of the overall mark for the course all modules are weighted according to their credit values. The pass mark for all elements, including the dissertation, is 40%. In order to qualify for the award of the M.Phil., students must obtain:

- i. An overall mark of at least 40%, and
- ii. A mark of 40% or above in the dissertation, and
- iii. A pass mark in core and optional modules amounting to 60 credits, including the Portfolio. Students may compensate in up to 10 credits provided that, in addition to (i) – (ii) above, they have passed modules amounting to 50 credits and have a mark of not less than 30% in the failed module(s).

A distinction may be awarded if a candidate has achieved an overall mark of 70% or over, has passed all elements, and has been awarded a mark of 70% or over for the dissertation. A distinction cannot be awarded if a candidate has failed any credit during the course.

Students who have passed the core and options modules and Portfolio outright, or by compensation as outlined above, but who do not choose to complete, or who fail, the Dissertation, may be awarded the Postgraduate Diploma in Literary Translation. The Postgraduate Diploma in Literary Translation with Distinction may be awarded to candidates who, in addition, achieve an overall average mark of 70% across the core and options modules and the Portfolio.

49.7 *Course Co-ordinator:* Professor Peter Arnds

## 50. Literatures of the Americas (M.Phil.)

50.1 *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.

50.2 *Admission Requirements:* An upper second class (2.1) honors 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.

50.3 *Duration:* The course lasts for one year from the end of September and requires full-time study.

50.4 *Course Structure:* The course comprises four elements: (1) two core modules, "Theorizing the Americas" and "Thematizing the Americas," which are taught in two two-hour seminars in Michaelmas and Hilary terms respectively; (2) two one-semester option modules which meet for one two-hour seminar each week in Michaelmas / Hilary terms; (3) the School of English Research Methods module, which is taught in one weekly two-hour seminar in Michaelmas term; (4) dissertation. A detailed list of option modules will be advertised online before the commencement of the course.

50.5 *European Credit Transfer System (ECTS):* The course carries a total of 90 ECTS credits:

Two core modules at 20 credits each	= 40 ECTS
Two option modules at 10 credits each	= 20 ECTS
Dissertation	= 30 ECTS
Total	= 90 ECTS

50.6 *Assessment:* Students submit two essays of 2,000 words each for two core modules, and one essay of 6,000-8,000 words for each option module taken. They also submit a supervised dissertation of up to 20,000 words. Students must complete and pass all assessment elements within each module to pass the course (the pass mark is 40%). All modules are weighted according to their credit values. Failed work may be re-submitted with the approval of the course committee.

50.7 *Distinction:* A M.Phil. with Distinction may be awarded to students who achieve a mark of at least 70% in the dissertation and at least 68% in the unrounded aggregate mark for the taught modules of the course work where modules amounting to at least 30 credits have a mark of 70% or above.

A distinction cannot be awarded if a candidate has failed any credit during the course.

50.8 *Course Director:* Professor Stephen Matterson

## 51. Medieval History (M.Phil./P.Grad.Dip.)

51.1 *Introduction:* The course offers well-qualified graduates an introduction to research in the history of the Middle Ages. The course is designed to be complete in itself, but it also provides the training for more advanced research at the doctoral level.

51.2 *Admission Requirements:* Applications are normally accepted only from persons with a first or upper second class honors Bachelors degree (2.1 or equivalent e.g. GPA of 3.3 or higher) in history or a cognate subject, such as art history, archaeology, classics (including ancient history), language, literature, social anthropology, etc.

51.3 *Duration:* The course is offered on a one-year full-time basis or two-year part-time basis, starting in September.

51.4 *Course Structure:* The course consists of the following elements:

1. Taught modules, amounting to 60 ECTS in total, normally including:
  - a) Latin (15 ECTS)

- b) Palaeography (10 ECTS)
- c) Approaches to Historical Research, Sources and Methods (5 ECTS)
- d) Approaches to Historical Research: Dissertation supervision (5 ECTS), including participation in a research seminar, during which each student presents and defends two research papers, and attendance at the weekly Medieval History Centre Research Seminar.
- e) Academic Mentoring (5 ECTS)
- f) Two thematic modules, each carrying 10 ECTS. The range of modules on offer may change from year to year.

2. A dissertation arising out of the selected study area. The dissertation, should be based on primary sources, comprise approximately 20,000 words, and be submitted by 31<sup>st</sup> August of the year of entry for full-time students and by 31<sup>st</sup> August of year two for part-time students.

51.5 *Assessment:* The pass mark in all modules is 50%. To qualify for the award of the M.Phil., a student must achieve a credit-weighted average mark of at least 50% across the taught modules, and either pass taught modules amounting to 60 credits or pass taught modules amounting to 50 credits and achieve a minimum mark of 40% in any failed modules, and achieve a mark of at least 50% in the dissertation.

Students failing to pass taught modules may present for supplemental examination or re-submit required work within the duration of the course as specified in the course handbook.

In the calculation of the overall M.Phil. mark the weighted average mark for the taught components carries 40% and the mark for the dissertation carries 60%.

To qualify for the award of the M.Phil. with Distinction students must achieve a final overall mark for the course of at least 70% and a mark of at least 70% in the dissertation. A distinction cannot be awarded if a candidate has failed any credit during the period of study.

A student who successfully completes all other requirements but does not proceed to the dissertation stage or fails to achieve the required mark of 50% in the dissertation will be recommended for the award of the Postgraduate Diploma. The Postgraduate Diploma will not be awarded with Distinction.

51.6 *Course Director:* Professor David Ditchburn

## **52. Medieval Language, Literature and Culture (M.Phil./P.Grad.Dip.)**

52.1 *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.

52.2 *Admission Requirements:* To be eligible for consideration for admission, students should hold an honors Bachelor degree, preferably at least an upper second class honors, or its equivalent, in one of the subjects on which the course concentrates.

52.3 *Duration:* The course lasts for one year from late September, and requires full-time study.

52.4 *Course Structure:* The course consists of six modules taught during the Michaelmas and Hilary Terms, and a research project. Four of the six modules are core modules. The optional modules usually run in Michaelmas Term.\*

\*All of the language elements offered in Irish run over two terms. The range of options available varies from year to year and modules run subject to availability and demand.

The following subjects are offered:

- a) core modules: Research Methodology, Medieval Thought, Medieval Culture and Society, and at least one language from the following list: Medieval Latin; elementary

Classical Latin; Italian; Old English; Middle English; Middle High German; Old Irish; Old French. Each department has its own particular course requirements which must be fulfilled before a student may study a language.

- b) options: two optional modules from the range offered in a given year.

52.5 *Assessment procedures:* The pass mark for all course elements is 50%. In calculating the final mark, courses are weighted in accordance with their ECTS credits. Coursework will be assessed in the following manner:

- a) Core modules: assessed by essays and examinations.  
b) Options: assessed by essays.  
c) A dissertation of 15,000 to 20,000 words dissertation must be submitted by

31st August.

In order to qualify for the award of the M.Phil. degree, students must achieve (i) an overall average mark of 50% or above, (ii) a pass mark in all modules designated non-compensatable and in the dissertation, and (iii) either pass taught modules amounting to 60 credits, or pass taught modules amounting to 50 credits where the mark obtained in a failed module is not less than 40%. A distinction may be awarded if a candidate has achieved an overall mark of 70%, has passed all elements, and has also been awarded a mark of 70% or over for the dissertation.

Students who pass outright or by compensation modules amounting to 60 credits, but who are not permitted to proceed to, or fail, the dissertation, may be awarded the Postgraduate Diploma in Medieval Language, Literature and Culture.

52.6 *European Credit Transfer System (ECTS):*

Four Core Modules at 10 each	= 40 ECTS
Two Options at 10 each	= 20 ECTS
Dissertation	= 30 ECTS
Total for course	= 90 ECTS

52.7 *Course Co-ordinator:* Professor Alice Jorgensen

### 53. Modern Irish History (M.Phil./P.Grad.Dip.)

53.1 *Introduction:* The course is intended as an introduction for well-qualified Humanities or Social Sciences graduates to research in Modern Irish History. The emphasis 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.

53.2 *Admission Requirements:* Applications are normally accepted only from persons with a first or upper second class honors Bachelor degree (2.1 or equivalent, e.g. GPA of 3.3 or higher) in an appropriate arts or social sciences discipline, e.g. history, philosophy, language studies, literature, political science, or European studies.

53.3 *Duration:* The course is offered on a one-year full-time basis or two-year part-time basis, starting in September.

53.4 *Course Structure:* The course work will consist of four elements

1. Two major modules of study will be taught by means of a weekly two-hour seminar. (10 ECTS each) to be selected from a range of options, varying from year to year.
2. Research Training modules: Core modules (all are compulsory):
  - a) Libraries and Archives (5 ECTS)
  - b) Approaches to Historical Research: Sources and Methods (5 ECTS)
  - c) Approaches to Historical Research: Dissertation supervision (5 ECTS)

- d) Academic Mentoring (5 ECTS)
- e) Encompassing Modern Irish History: Pathways through the Literature (10 ECTS)

3. **Dissertation:** Students seeking the M.Phil. are required to submit a dissertation of 15,000-20,000 words based on primary sources (see the handbook for detailed requirements for the dissertation) (30 ECTS).

4. **Research Seminars:** Attendance at two of the departmental research seminars is required. This is a pass/fail module assessed on the basis of research seminars in Michaelmas, Hilary and Trinity Terms, and preparation of a weekly seminar journal (2 x 5 ECTS).

53.5 **Assessment:** The pass mark in all modules is 50%. To qualify for the award of the M.Phil., a student must achieve a credit-weighted average mark of at least 50% across the taught modules, and either pass taught modules amounting to 60 credits or pass taught modules amounting to 50 credits and achieve a minimum mark of 40% in any failed modules, and achieve a mark of at least 50% in the dissertation.

Students failing to pass taught modules may present for supplemental examination or re-submit required work within the duration of the course as specified in the course handbook.

In the calculation of the overall M.Phil. mark the weighted average mark for the taught components carries 40% and the mark for the dissertation carries 60%.

To qualify for the award of the M.Phil. with Distinction students must achieve a final overall mark for the course of at least 70% and a mark of at least 70% in the dissertation. A distinction cannot be awarded if a candidate has failed any credit during the period of study.

A student who successfully completes all other requirements but does not proceed to the dissertation stage or fails to achieve the required mark of 50% in the dissertation will be recommended for the award of the Postgraduate Diploma. The Postgraduate Diploma will not be awarded with Distinction.

53.7 **Course Director:** Professor Anne Dolan

## **54. Music and Media Technologies (M.Phil./P.Grad.Dip.)**

*Run jointly with the School of Engineering*

54.1 **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.

54.2 **Admission Requirements:** This course is open to holders of good honors degrees (preferably, but not necessarily) in music, engineering or science. Candidates holding degrees in disciplines other than music must also have suitable music qualifications which will be assessed at an entrance test. Consideration will also be given to mature students with relevant industrial experience and suitable music qualifications. However, irrespective of entry qualifications, progression to the second (Masters) year of the course requires an upper second class honors standard or higher in the first year examinations.

54.3 **Duration:** The Postgraduate Diploma course is a full-time course for one academic year; the M.Phil. course is a full-time, two academic year course for those students who attain an appropriate standard in the first year examinations. Students register on the Postgraduate Diploma course in the first instance. Only those students who successfully complete the first year of the course and do not proceed to the second year of studies for the M.Phil. will be awarded the Postgraduate Diploma.

54.4 **Course Structure:** The courses to be undertaken are structured in two semesters per year (full-time for one academic year for the Postgraduate Diploma course; full-time for two academic years for the M.Phil. programme). The first year of study is common to both programmes.

*Postgraduate Diploma Course – Year One (60 ECTS credits)*

Semester One (30 ECTS credits)

Music and Audio Fundamentals and Training (10 ECTS)  
Applications of Technologies in Music, Audio and Image Production (10 ECTS)  
Theoretical Foundations of Music, Audio and Media Technologies (10 ECTS)

Semester Two (30 ECTS credits)

Computer-Aided Composition in Music and Image (10 ECTS)  
Music and Audio Production Technologies (10 ECTS)  
New Media Production Technologies (10 ECTS)

*M.Phil. Course – Year Two (60 ECTS credits)*

Semester One (30 ECTS credits)

Students are required to complete a Preliminary Research module (5 ECTS) and five modules (5 ECTS each) from the following list:

Composition for Mixed Media (5 ECTS)  
Electroacoustic Composition (5 ECTS)  
Digital Signal Processing (5 ECTS)  
Advanced MAX/MSP (5 ECTS)  
Music Cognition and Design (5 ECTS)  
Music Theory and Aural Training (5 ECTS) \*  
Music and Image (5 ECTS)  
Advanced Audio Production (5 ECTS)  
Multichannel Audio Technologies (5 ECTS)

(\*this module is compulsory for students wishing to take the Composition for Mixed Media module in year two of the M.Phil. However, students who demonstrate proficiency in this subject may be granted exemption)

Semester Two (30 ECTS credits)

Research Project (30 ECTS): this may be a dissertation, a musical composition or a technological assignment with a significant research component.

All elective modules require a minimum number of students and may not be offered if this minimum number is not met. Compulsory and elective modules may vary from year to year according to availability.

54.5 *Assessment:* Assessment is by a combination of coursework and written examinations. Students must achieve an overall average mark of at least 60% in the first year in order to proceed to the second year of the course. The pass mark for all elements is 40%. The final mark awarded at the end of each year is based on a credit-weighted average of the mark awarded in each module taken in that year.

In order to qualify for the award of Postgraduate Diploma, students must achieve an overall average mark of at least 40% in modules taken in the first year. The Postgraduate Diploma with distinction may be awarded to students who achieve an overall average mark of at least 70%.

In order to qualify for the award of the Masters degree students must achieve an overall average mark of at least 40% in modules taken in the second year, and achieve a mark of at least 40% in the Research Project. A distinction may be awarded to students who achieve at least 70% in the Research Project and have an overall average mark of at least 70%.

54.6 *Course Director:* Professor Dermot Furlong

## **55. Music Composition (M.Phil./P.Grad.Dip)**

55.1 *Introduction:* The primary objective of this course is to produce original and competent composers fully equipped technically and theoretically in the field of contemporary music composition. The course delivers a substantial amount of concrete material in the form of modules in composition, composition for mixed media, orchestration, music cognition and experimental music theatre. There are also theoretical modules in the fields of analysis, aesthetics and film music. This detailed information will equip the students with the capacity and technique to write contextually-informed new music with a high degree of competence and originality.

55.2 *Admission Requirements:* Applicants should have a good honors Bachelors degree (at least an upper second, GPA of at least 3.3). A sample of the candidate's own critical and composition writing (3,000-5,000 words and two written compositions) is also required and must be submitted to the Admissions subcommittee as part of the application process. Admission to the course is competitive due to a restricted quota.

55.3 *Duration:* The course lasts for one-year on a full time basis.

55.4 *Course Structure:* The course consists of three elements:

(i) 4 compulsory taught modules spread across two semesters (40 ECTS)  
Each compulsory module is worth 10 ECTS. The compulsory modules are Advanced Orchestration, Contemporary Music Studies, Composition I and Composition II.

(ii) 2 optional taught modules, selected from a choice of 4 (20 ECTS). Each optional module is worth 10 ECTS.

(iii) Dissertation Module. The dissertation module consists of two components: (a) final portfolio of composition, and (b) an accompanying thesis of between 10,000 and 15,000 words. The final portfolio of compositions must have a performing duration of between 20-35 minutes. Portfolios with longer performance times will also be accepted, but these must be agreed in advance with the course director. Students will work on developing their portfolio and accompanying thesis in conjunction with an assigned supervisor. The accompanying thesis should deal with the structure, aesthetics and methods used by the candidate in the act of composition. The thesis should demonstrate a good knowledge of the context surrounding the candidate's work, and in doing so should engage with history, criticism and theory relating to contemporary music. The portfolio (weighted 70%) and the accompanying thesis (weighted 30%) are due together by 31 August in order to complete the dissertation module. The dissertation module carries 30 ECTS credits.

55.5 *Assessment:* Students are assessed on the completion of

(a) assigned projects in each of the modules [60 ECTS]

(b) the dissertation module, which consists of a final portfolio of compositions (70%), accompanied by a thesis (30%) of 10,000 to 15,000 words. The thesis should demonstrate a good knowledge of the context surrounding the candidate's work, and in doing so should engage with history, criticism and theory relating to contemporary music. The portfolio (weighted 70%) and the accompanying thesis (weighted 30%) are due together by 31 August in order to complete the dissertation module.

The pass mark for all assessments, including the dissertation, is 40%. Students must achieve an overall credit-weighted average mark of 40% or higher across the taught modules, and must pass all individual taught modules, in order to proceed to submit their final portfolio and thesis.

Students who have successfully passed the taught component of the course, consisting of the 4 compulsory modules and the 2 optional modules, accumulating 60 ECTS, but who choose not to proceed to the Dissertation Module stage or who have failed the Dissertation Module will be considered by the court of examiners for the award of Postgraduate Diploma in Music Composition (exit only).

Students who, in addition, have achieved an average of at least 70% across the taught modules will be eligible for consideration for the award of Postgraduate Diploma with Distinction. The Postgraduate Diploma with Distinction cannot be awarded if a candidate has failed any module or assignment during the period of study.

A Masters dissertation will be submitted and examined in line with the *General Regulations for Taught Graduate Courses* stated in Part B (Section 3) of the *University of Dublin Calendar part 2 for Graduate Studies and Higher Degrees* for a given year. Students who have successfully passed all the taught modules and a dissertation module including the portfolio and accumulated 90 ECTS will be considered for a Masters degree.

The award of a Masters degree with Distinction shall require the achievement of a distinction for the dissertation including the portfolio, and an overall average mark for the course of at least 70%. A distinction cannot be awarded if a candidate has failed any module or assignment during the period of study.

55.6 *Course Director:* Professor. Donnacha Dennehy  
*Course Coordinator:* Professor. Evangelia Rigaki

## 56. Popular Literature (M.Phil./P.Grad.Dip.)

56.1 *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 option modules on particular aspects of the popular.

This course 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.

56.2 *Admission requirements:* Applicants should have a good honors degree (preferably an upper second class or above) or an equivalent qualification.

56.3 *Duration:* The course lasts for one year from the end of September and requires full-time study.

56.4 *Course Structure:* The course comprises three elements: (1) a core module meeting twice a week for two hours over two terms; (2) option modules meeting once a week for two hours – participants will take one per term; (3) dissertation.

Options available may include the following: *The Victorian Child, Cyberculture / Popular Culture, Tolkein, The Western, Teenage Kicks: Youth Culture and Rebellion in the 1950s and 1960s, and American Nightmares, Horror in Popular Literature and Film from the 1950s to the Present, The Rural Gothic*

56.5 *European Credit Transfer System (ECTS):* The course carries a total of 90 ECTS credits:

Two core modules at 15 each	= 30 ECTS
Two option modules at 15 each	= 30 ECTS
Dissertation	= 30 ECTS

56.6 *Assessment:* Assessment will be by a combination of coursework and dissertation. These are broken down as follows:

1. Dissertation: 15,000 words, to be supervised by an appropriate member of staff.
2. The taught element  
Core Course: two essays of 5,000 words  
Options: two essays of 5,000 words.

In the calculation of the overall mark for the course, the taught modules and the dissertation are weighted according to their credit values.

56.7 *Pass Mark:* All modules of this course are non-compensatable.

To pass this course and be eligible for the award of the M.Phil. degree a student must;

- (i) Pass each module  
AND
- (ii) achieve a mark of at least 40% in the dissertation.

*Students must complete the other elements of the course satisfactorily before being allowed to present the dissertation.* Students who satisfy the examiners in everything but the dissertation may be considered for the award of a Postgraduate Diploma in Popular Literature.

To qualify for the Postgraduate Diploma a student must pass each of the core and option modules thereby obtaining 60 credits.

56.8 *Distinction:* A M.Phil. with Distinction may be awarded to students who achieve at least 70% in the dissertation and at least 68% in the unrounded average mark for the taught modules where modules amounting to at least 30 credits each have a mark of 70% or above.

56.9 *Course Co-ordinator:* Professor Bernice Murphy

## 57. Psychoanalytic Studies (M.Phil./P.Grad.Dip.)

57.1 *Introduction:* The course provides graduates with a thorough introduction to the history, theory and applications in clinical work and in the wider culture of psychoanalysis from Freud to modern writers in this broad field. The course is of interest to people from a variety of backgrounds, including graduates of psychology, philosophy, and other university programmes, as well mental health professionals, people who work in the fields of the arts, education and health, among others.

57.2 *Admission Requirements:* Applications are normally accepted only from candidates with a first or upper second class degree in an appropriate arts, social science or science subject.

57.3 *Duration:* The course lasts for one year from the end of September, and is full-time. Candidates are assessed by a combination of course papers and a dissertation.

57.4 *Course Structure:* Students take six compulsory modules, equivalent to 10 ECTS each, together with a dissertation (30 ECTS). The current modules are as follows:

Module 1: Basic Psychoanalytic Concepts

Module 2: Dreams, Dreaming and Symbolic Life

Module 3: The Emotional World of the Child

Module 4: Psychoanalysis and the Arts

Module 5: Clinical States of Mind

Module 6: Object Relations Theory

Modules are offered subject to staff availability. Details of which modules students must complete will be published in the course handbook. The dissertation (approximately 14,000 words), arising out of the subjects studied is submitted in early September.

57.5 *Assessment:* Candidates are assessed by a combination of in-class assessments, 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. In cases where coursework is satisfactory but the dissertation is either not presented or is not of M.Phil. standard, a Postgraduate Diploma may be awarded. The M.Phil. degree will be awarded to students who pass all modules and the dissertation.

57.6 *Course Director:* Dr John O' Connor

## 58. Public History and Cultural Heritage (M.Phil./P.Grad.Dip.)

58.1 *Introduction:* This course provides a bridge between the academic disciplines of the university and the professional concerns of cultural agencies, public and private, and it offers professionals and prospective professionals a rich historical grounding in what constitutes public history as well as a unique preparation for the management of cultural heritage. 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, etc). The course may also serve as an introduction to graduate research for students wishing to pursue doctoral work.

58.2 *Admission Requirements:* Applications are normally accepted only from persons with a first or upper second class honors Bachelor degree (2.1 or equivalent e.g. GPA of 3.3 or higher) in an appropriate discipline.

58.3 *Duration:* The course is offered on a one-year full-time basis or two-year part-time basis starting in September.

58.4 *Course Structure:* The course consists of the following three elements:  
Compulsory Modules (30 credits)

(i) two modules carrying 5 credits each and two modules carrying 10 credits each.

Optional Modules (30 credits)

(ii) Students will select three options (10 credits each) from an approved list.

The list will be divided into 3 sections and students will choose one option from each section.

Dissertation (30 credits)

(iii) MPhil students will be expected to write a dissertation of between 15,000 and 20,000 words on an approved topic relating to the course. The dissertation is due by 31<sup>st</sup> August of the year of entry for full-time students and by 31<sup>st</sup> August of year two for part-time students.

**58.5 Assessment:** The pass mark in all modules is 50%. To qualify for the award of the M.Phil., a student must achieve a credit-weighted average mark of at least 50% across the taught modules, and either pass taught modules amounting to 60 credits or pass taught modules amounting to 50 credits and achieve a minimum mark of 40% in any failed modules, and achieve a mark of at least 50% in the dissertation.

Students failing to pass taught modules may present for supplemental examination or re-submit required work within the duration of the course as specified in the course handbook.

In the calculation of the overall M.Phil. mark the weighted average mark for the taught components carries 40% and the mark for the dissertation carries 60%.

To qualify for the award of the M.Phil. with Distinction students must achieve a final overall mark for the course of at least 70% and a mark of at least 70% in the dissertation. A distinction cannot be awarded if a candidate has failed any credit during the period of study.

A student who successfully completes all other requirements but does not proceed to the dissertation stage or fails to achieve the required mark of 50% in the dissertation will be recommended for the award of the Postgraduate Diploma. The Postgraduate Diploma will not be awarded with Distinction.

**58.6 Course Director:** Professor Ciaran O'Neill

## **59. Race, Ethnicity, Conflict (M.Phil./P.Grad.Dip.)**

**59.1 Introduction:** This course is offered by the Department of Sociology to provide specialist training in the field of race, ethnicity and conflict.

**59.2 Admission Requirements:** Students should have an honors Bachelor 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. All candidates are required to complete a statement of interest, which is taken into account as part of the admission process. There is no direct entry to the Postgraduate Diploma in Race, Ethnicity, Conflict, which is an exit award.

**59.3 Duration:** This full-time course commences in September and lasts 12 months. It consists of a core and optional modules and a dissertation.

**59.4 Course structure:** The course has four components:

1. Three core mandatory modules (10 ECTS each)
  - (a) SO7001 Race and ethnicity, theoretical concepts
  - (b) SO7002 Research methods
  - (c) SO7012 Ethnic conflict, peace and the state
2. A range of optional modules. The list below details a typical set of modules on offer although these may differ from year to year. Students must take optional modules equivalent to 30 ECTS
  - (a) SO7003 Human rights and global issues (5 ECTS)
  - (b) SO7005 Gender, race and conflict (5 ECTS)
  - (c) SO7006 Race, ethnicity and social policy (5 ECTS)
  - (d) SO7013 Migration and the European labour market (5 ECTS)
  - (e) SO7016 Migration and education in Europe and North America (5 ECTS)
  - (f) SO7017 Conflict zones: case studies (5 ECTS)
  - (g) SO7034 Forced migration and ethnic cleansing (5 ECTS)

Students may also choose from the following two modules taught by the International Peace Studies course (assessment by a 2000-word essay, student numbers capped at 5):

(h) EM7202b The politics of peace and conflict (5 ECTS)

(i) EM7435b United Nations (5 ECTS)

3. A 15 – 20,000 words dissertation (30 ECTS) on any approved topic relating to race, ethnicity and conflict.

4. Seminars, lectures and occasional workshops are also offered during the academic year.

59.5 *Assessment:* The assessment is based on a written assignment for each module and a dissertation. Depending on achieving a pass mark (minimum of 40%) in all the required module assessments, students may proceed to research and write a dissertation. It is necessary to obtain a pass mark (minimum 40%) in the dissertation to successfully complete the M.Phil.

Candidates whose dissertations do not meet the minimum pass standard may have the opportunity to re-submit in accordance with the General Regulations for Taught Graduate Courses. Following consultation with the Course Co-ordinator, students who fail to pass the dissertation may opt or be advised to exit with a Postgraduate Diploma in Race, Ethnicity and Conflict provided that they have passed modules amounting to at least 50 credits, have an overall average mark of at least 40%, and have a mark of not less than 30% in the failed module(s). To qualify for the award of a Postgraduate Diploma with Distinction, students must, in addition, achieve an overall average mark of at least 68% and have a minimum mark of 70% in individual modules amounting to at least 30 credits.

M.Phil. candidates who achieve a mark of at least 70% in the dissertation and in the overall average mark for the course may be awarded a distinction. A distinction cannot be awarded if a student has failed any credit during the course.

59.6 *Course Co-ordinator:* Professor Andrew Finlay

## **60. Social Work Research (M.Phil.)**

*There is no intake in 2012/2013*

60.1 *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.

60.2 *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 eight students, and maximum of 13 students. Selection will be based on (i) Entry Requirements and (ii) Outline Research Proposal. Candidates may be interviewed.

60.3 *Duration:* The programme will run over two academic years, part-time.

60.4 *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 two.

60.5 *Acting Course Co-ordinator:* Professor Robbie Gilligan

## **61. Speech and Language Processing (M.Phil./P.Grad.Dip.)**

61.1 *Introduction:* This course, which shares elements in common with the M.Phil. courses in Linguistics, Applied Linguistics, and English Language Teaching, is offered by the School

of Linguistic, Speech and Communication Sciences.

61.2 *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.

61.3 *Admission Requirements:* Applicants are normally required to possess a good honors Bachelor degree or equivalent qualification in subjects such as engineering, computer science, physics, mathematics, linguistics, psychology or related disciplines.

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

61.5 *Structure:* The course consists of six taught modules, together with tutorial sessions on research methodology and a dissertation module.

The taught modules are made up of four mandatory core modules and two elective options. Part-time students take two core modules and one elective module per year as specified in the course handbook. A part-time student in the first year who either (i) fails more than one module, or (ii) receives a mark of less than 30% in any module, may not proceed to the second year.

*Core modules:*

- a) Formal foundations of linguistic theories
- b) Computational theories of grammar and meaning
- c) Laboratory phonetics and phonology
- d) Speech processing 1: spectral analysis

*Elective modules:*

- a) Advanced syntactic theory
- b) Speech production, hearing and perception
- c) Speech processing 2: acoustic modelling
- d) Corpus linguistics
- e) Bilingualism and the maintenance of Irish
- f) History and globalisation of English
- g) Technology, language and communication

Not all elective modules may be available in any one year, depending on staff availability and timetabling. Additional elective modules may be introduced by the course committee at a later date.

61.6 *European Credit Transfer System (ECTS):*

The M.Phil. carries 90 ECTS

Six course modules at 10 credits each = 60 ECTS

Dissertation at 30 credits = 30 ECTS

The Postgraduate Diploma carries 60 ECTS credits.

61.7 *Dissertation:* In addition to following the taught programme of study, students write a dissertation of not more than 15,000 words on a topic in computational linguistics, experimental phonetics and phonology, speech science, or another approved area in speech and language processing. Students are required to follow research ethics procedures as set out in the course handbook. The grounds on which the Court of Examiners may defer students from writing and submitting a dissertation are set out in the course handbook.

61.8 *Assessment:* Students are assessed on the basis of their performance in (i) six assignments, as specified in the course handbook, each related to the course modules and (ii) their dissertation. Assignment submission deadlines are as set out in the current course handbook; dissertations must be submitted not later than 31<sup>st</sup> August in the year in which the course is completed. All modules and the dissertation are weighted according to their ECTS

credit value. The pass mark of 40% applies to all module assignments; the dissertation is graded on a pass/distinction/fail basis. To qualify for the award of the M.Phil. degree, students must (i) obtain an average of at least 40% over all taught modules, (ii) obtain a pass grade in the dissertation, and (iii) either pass modules amounting to 60 credits, or pass modules amounting to at least 50 credits where there is a mark of not less than 30% in the failed module.

Students may be awarded the M.Phil. with Distinction if they (i) pass all modules; (ii) achieve a Distinction in the dissertation; (iii) achieve at least 68% in the unrounded overall average mark for the taught modules; and (iv) achieve at least 70% in each of three course modules. 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 (i) obtain an average over all taught modules of at least 40% and (ii) either pass modules amounting to 60 credits, or pass modules amounting to at least 50 credits where there is a mark of not less than 30% in the failed modules. The Postgraduate Diploma with Distinction may be awarded to candidates who (i) have passed all modules, (ii) have an overall average mark of 68% or above and (iii) have a mark of at least 70% for each of three course modules.

61.9 *Course Co-ordinator:* Professor Breffni O'Rourke

## **62. Textual and Visual Studies: Twentieth and Twenty-First Centuries (M.Phil./P.Grad.Dip.)**

62.1 *Introduction:* This programme explores the complex relationship between textual and visual forms of apprehension and expression in the modern world and their impact on European culture post-1900. The focus of the two one-semester core module will be on the graphic arts (poster, postage stamp, typography), photography, cinema, and contemporary digital-based media. Various theoretical approaches will be explored in relation to the word/image problematic as manifested in a number of European cultural traditions. Optional one-semester modules will focus on specific media (photography, cinema) or themes (the city, avant-gardes, national identity). The aim of the course will be to bring students to a high level of theoretical and practical awareness of the text-image relation in cultural expression, to equip them to analyse and evaluate the various forms text/image interaction takes, and to provide them with a training that will enrich their practice in other areas of study or professional engagement.

62.2 *Admission Requirements:* Open to students with a BA honors degree (II.1 grade or above) in any area of the arts and humanities or with an equivalent qualification in a relevant area. Applicants should normally have a reading knowledge of at least one language other than English from among those offered by the School of Languages, Literatures and Cultural Studies.

62.3 *Duration:* The course is taken full-time in one year, starting in September of each year. Teaching takes place over two semesters, followed by a four-month dissertation-writing period.

62.4 *Programme Structure:* The course consists of a two one-semester core module taken by all students, together with four one-semester options (two per semester) from the range offered in a given year, and a dissertation of 15,000 to 20,000 words on a subject approved by the Course Co-ordinator.

62.5 *Assessment:* Student performance in each module is assessed by coursework. All students are additionally assessed by dissertation. The pass mark in all modules is 40%. To qualify for the award of M.Phil., a student must achieve a credit-weighted average mark of at least 40% across the taught modules and achieve a mark of at least 40% in the dissertation. In the case of the taught modules, a student must either pass taught modules amounting to 60 credits, or pass taught modules amounting to 50 credits and achieve a minimum mark of 30% in the failed module. All modules are weighted according to their credit values.

A distinction may be awarded if a candidate has achieved an overall mark of 70% or over, has passed all elements, and has been awarded a mark of 70% or over for the dissertation. A distinction cannot be awarded if a student has failed any credit during the course.

A student who successfully completes all other requirements but does not proceed to the dissertation stage, or fails to achieve the required mark of 40% in the dissertation, will be recommended for the award of Postgraduate Diploma.

62.6 *ECTS:* The total ECTS for the programme is 90:  
1 core module 20 ECTS  
4 optional modules (at 10 ECTS each) 40 ECTS  
Dissertation 30 ECTS

62.7 *Course Co-ordinator:* Professor Johnnie Gratton

### **63. Theatre and Performance (M.Phil.)**

63.1 *Introduction:* The course comprises of three core modules and a directed dissertation project. The taught modules offer a complimentary exploration of the theory and practice of theatre and performance in Irish and international contexts.

63.2 *Admission Requirements:* Candidates should have a good honors Bachelor degree of upper second class, or above, or equivalent qualification.

63.3 *Duration:* The course lasts for one academic year and requires full-time study.

63.4 *Course Structure:* the course consists of three core modules, and a dissertation.  
*Core modules:*

1. Strategies of Analysis in Theatre and Performance (MT/HT: 10 ECTS each term).
2. Movement Practices and Applied Performance Project: A practical and theoretical engagement with key traditions movement, performance and embodiment. (MT/HT: 10 ECTS each term).
3. Contemporary Irish Theatre in Context: An exploration of the theatre practice of contemporary Irish and visiting theatres and the institutional frameworks which shape the production and reception of contemporary Irish theatre. Invited speakers will discuss their work with students. (MT/HT: 10 ECTS each term).

63.5 *Assessment:* There are two elements to the assessment:

1. Essays, practical projects and/or oral presentations for the core modules
2. A dissertation of approximately 15,000 words

*Weighting:* In the calculation of the overall mark for the course each module, including the dissertation, is weighted according to the ECTS credit value. The pass mark for each module and for the dissertation is 50%. To qualify for the award of the M.Phil. degree, students must achieve the pass mark in taught modules amounting to 60 credits and in the dissertation.

63.6 *M.Phil. with Distinction:* Students of the M.Phil. in Theatre and Performance may be awarded with a mark of distinction in the degree if they achieve an overall mark of at least 70%, including at least 70% in the dissertation, and provided that no credit-bearing element has been failed (i.e. achieved a mark below 50%) during the period of study.

63.7 *Postgraduate Diploma in Theatre and Performance:* A student who does not wish to submit a dissertation and be considered for the degree of M.Phil. may instead opt to be considered for a Postgraduate Diploma in Theatre and Performance by applying to the Course Director in writing before the end of April. Such students are required to submit all taught module essays or equivalent assessments (60 ECTS). To qualify for the award of the Postgraduate Diploma students must achieve a pass mark in taught modules amounting to 60 credits. Where a student passes the taught modules but does not reach the required standard in the dissertation, she or he may be eligible for the award of a Postgraduate Diploma in Theatre and Performance. The Postgraduate Diploma may be awarded with distinction to candidates who pass the six taught modules and achieve an overall average

mark of at least 70%. A distinction cannot be awarded if a candidate has failed any credit during the course.

63.8 *Course Co-ordinator:* Professor 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 or passed. 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.

#### **64. Alcohol and Drug Interventions (M.Sc./P.Grad.Dip.)**

*This course will not be offered in 2012/13*

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Phil. See Entry 14 above.

#### **65. Applied Behaviour Analysis (P.Grad.Dip.)**

65.1 *Introduction:* This course provides theoretical, ethical, and practical training in Applied Behaviour Analysis (ABA) and aims to ensure that students become proficient in the practical application of the principles of behaviour analysis. The course covers the primary and essential methodologies and tactics within the field. This allows students to develop a sound and broad foundation of behaviour analytic practice that is grounded in empirical research. Graduates of this course are skilled, at least to minimum level, to conduct functional behavioural assessments, and design and implement behaviour support plans and educational programmes.

The course is appropriate for professionals working with persons diagnosed with autism spectrum disorders, intellectual and developmental disabilities, children or adolescents in care or persons presenting with behavioural challenges. This course is also appropriate for individuals seeking to start a career in ABA.

65.2 *Admission Requirements:* Applicants will be required to hold at least a second class honors Bachelor degree in psychology or related human service field such as education, teaching, social work, social care, speech and language, nursing. A secured clinical placement is also required. Applicants interest in ABA and prior experience working in educational or human-service settings will be taken into account.

65.3 *Placement:* Students on the course are required to work or volunteer in a placement that allows them to engage in behaviour analytic practice for at least 15 hours per week. Acceptable placements include, but are not limited to, ABA schools, Irish special primary or secondary schools, private or HSE funded residential settings or other human service settings. Students are required to secure a placement prior to applying to the course. All fieldwork must be supervised by a course approved Board Certified Behaviour Analyst (BCBA). Students are required to obtain 15 hours of individual supervision from a BCBA during the year. Supervision costs are separate and are not included with the tuition. In addition, students must secure and maintain membership of a relevant professional organisation, such as the Psychological Society of Ireland or Applied Behaviour Analysis International, and must carry student or professional liability insurance throughout the duration of the course.

65.4 *Duration:* The Postgraduate Diploma in ABA course is one year, full-time. This is an intense course. Classes begin in late September and end in June. Classes are normally held on a week day every other week and one Saturday per month. Students must also engage in supervised field practice / placement that continues throughout the year.

65.5 *Modules:* The course carries 60 ECTS credits, and comprises seven modules:

Module Title	ECTS
1 ABA Definitions, Characteristics and Basic Principles	10
2 Ethics in ABA	5
3 Selection, Defining and Measuring Behaviour	10
4 Behavioural Assessment	5
5 Behavioural Intervention and Evaluation I	10
6 Behavioural Intervention and Evaluation II	10
7 Supervised Practice	10

65.6 *Assessment:* Students are assessed through a variety of methods which include (a) in-class tests and a cumulative final exam, (b) a comprehensive case work project which includes practical and written work, (c) a journal summary and a literature review, (d) oral presentations, and (e) a mid-term and end of year supervised placement evaluation. Students also receive continuous feedback through regular group supervision sessions and participation in class activities. Those candidates who pass all modules and perform at a satisfactory level in all components of the course, (i.e. practical application skills; academic assessments, and meet attendance and other requirements as specified in the course handbook), will be eligible for the award of Postgraduate Diploma in Applied Behaviour Analysis.

One resubmission or re-sit will be offered at an agreed date for a failed piece of assessment.

65.7 *Course Director:* Professor Kristen Maglieri

### **66. 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 31 above.

### **67. Business and Management (M.Sc./P.Grad.Dip.)**

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. See Entry 18 above.

### **68. Child Protection and Welfare (P.Grad.Dip./M.Sc.)**

68.1 *Introduction:* The course 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 Health Service Executive (HSE).

68.2 *Admission Requirements:* Admission to the course 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

Candidates who do not satisfy the above academic 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. Further information regarding applications is available from the Postgraduate Diploma Programme Co-ordinator. Students who successfully complete this course may apply to transfer to the linked course leading to a M.Sc. degree in Child Protection and Welfare. For details see Entry 19 above.

68.3 *Course Content:* The course consists of College-based lectures, seminar, workshops

and tutorials, and work-related assignments, including three essays and a project (5,000-7,000 words).

The P.Grad.Dip. carries 60 ECTS credits and consists of the following modules:

1.	Child Protection Perspectives and Practices	10 ECTS
2.	Interventions with Children and Families	10 ECTS
3.	Law	5 ECTS
4.	Contemporary Issues	10 ECTS
5.	Child Development	5 ECTS
6.	Research Methods	20 ECTS

**68.4 Assessment:** In the calculation of a student's overall result modules are weighted according to their ECTS credit weighting. The pass mark for all elements is 40%. In order to qualify for the award of the Postgraduate Diploma, students must achieve a pass in all modules. The Postgraduate Diploma with Distinction may be awarded to candidates who achieve an overall average mark of 70% or above.

**68.5 Course Co-ordinator:** Professor Helen Buckley

### **69. Children's 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 32 above.

### **70. Classics (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.

### **71. Clinical Speech and Language Studies (Dysphagia) (P.Grad.Dip.)**

**71.1 Introduction:** This one year part-time course offers speech and language therapists an opportunity to develop specialist skills in all aspects of dysphagia (feeding and swallowing disorders) in both adult and paediatric populations. Classes are timetabled to facilitate speech and language therapists in employment and overseas students.

**71.2 Course Structure:** Students registering for the Postgraduate Diploma will take 5 core modules in dysphagia, incorporating research methods, clinical evidence-based practice, advanced clinical skills and reflective practice. Students for both the Postgraduate Diploma and M.Sc. part-time and full-time courses in dysphagia must complete an additional introductory week and complete supervised clinical hours in dysphagia with experienced supervisors recognised by the School. Exemptions are made for students who have already completed a recognized introductory course in dysphagia or who have undertaken theoretical courses in the area with clinical practicum at undergraduate level and are deemed eligible to work in the area on graduation. All students must arrange and participate in 80 hours clinical work in dysphagia.

**71.3 Admission Requirements:** Eligible candidates should hold at least an honors Bachelor degree in Clinical Speech and Language Studies or an equivalent, recognized professional qualification in Speech and Language Therapy.

**71.4 Assessment:** In the calculation of the overall mark for the course, all modules are weighted according to their ECTS credit value. The pass mark is 40% for all elements. Students registering for the Postgraduate Diploma in Clinical Speech and Language Studies (Dysphagia) must pass each of the required assignments associated with the five core modules. Students are allowed to repeat a failed assignment. An assignment cannot be repeated more than once. Repeated assignments will achieve a maximum of 40% (III). Students are not permitted to repeat more than three assignments in the academic year. In order to qualify for the award of the Postgraduate Diploma, students must pass all modules and accumulate 60 ECTS credits. The final award is classified as pass or pass with distinction. A distinction requires at least 68% in the unrounded aggregate mark with at least half the modules achieving a mark of at least 70%.

71.5 *European Credit Transfer System (ECTS)*: The Postgraduate Diploma carries 60 ECTS credits drawn from five core modules:

Research methods 1	10 ECTS
Clinical evidence-based practice	15 ECTS
Advanced clinical skills	15 ECTS
Reflective practice: assessment	10 ECTS
Reflective practice: intervention	10 ECTS

71.6 *Progression*: Students who have registered for the Postgraduate Diploma in Clinical Speech and Language Studies (Dysphagia) may transfer to the M.Sc. in Clinical Speech and Language Studies (Dysphagia strand). However, they must first have completed course assignments in the Research Methods I module satisfactorily and have notified the Course Co-ordinators in writing of their request to transfer by 1<sup>st</sup> December.

71.7 *Fitness to Practice*: The School Fitness to Practice Committee is convened as required, at the request of a Head of Discipline. This committee considers matters of concern in relation to professional clinical practice associated with clinical work undertaken as part of the course. This committee is appointed by the School Executive Committee, with representation from two members from within the School and one member from a non-Faculty School, where Fitness to Practice is a requirement of the course.

71.8 *Course Co-ordinators*: Professor Margaret Walshe and Professor Margaret Leahy

## **72. Clinical Supervision (M.Sc./P.Grad.Dip.)**

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. See Entry 21 above.

## **73. Conflict and Dispute Resolution Studies (P.Grad.Dip.)**

73.1 *Introduction*: This one-year postgraduate course 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 damage caused by conflict. Those who complete the course 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.

73.2 *Course Structure*: Students are required to take taught modules amounting to 60 ECTS credits.

Compulsory Core Modules:

1. Understanding Conflict (15 ECTS)
2. Aspects and Dynamics of Conflict (15 ECTS)
3. Theories and Processes of Conflict Resolution (15 ECTS)
4. Processes and Skills for Moving Beyond Conflict (15 ECTS)

73.3 *Module Descriptions*:

Module 1: Understanding Conflict

This module focuses on images and understandings of conflict; how conflict arises, what function it serves, and the stages in the development of conflicts.

Module 2: Aspects and Dynamics of Conflict

The module 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: e.g. community and ethnic, corporate and commercial, and political conflict.

### Module 3: Theories and Processes of Conflict Resolution

The module 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 Alternative Dispute Resolution processes as used nationally and internationally.

### Module 4: Processes and Skills for Moving Beyond Conflict

The module 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.

**73.4 Duration:** This Postgraduate Diploma is taught in the evening over one year. Teaching period runs from September to April with two evening sessions (six hours per week) over 24 teaching weeks. There are also two Saturday workshops. Essays, reflective log and skill-based assessments are to be completed by 1 August.

**73.5 Assessment:** The assessment is based on two essays of approximately 4,000 – 4,500 words each, a 4,000 – 4,500, reflective log, and on a practical skills-based assessment to be completed by 1st August. One essay will focus on the underlying theory and philosophy of conflict, the other essay will focus on the theories and processes of conflict resolution. The log will focus on the student's reflection on learning. The practical assessment will focus on conducting mediation. All modules are weighted in the calculation of the overall degree mark according to their ECTS credit weighting. To qualify for the award of the Postgraduate Diploma, students must pass all modules by obtaining a pass mark of 40% on the two essays and a pass grading on the log and practical assessment. Students who achieve, in addition, an overall average mark of at least 70% may be awarded the Postgraduate Diploma with distinction.

**73.6 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. Students not meeting these criteria may exceptionally be considered at the discretion of the Dean of Graduate Studies. For further information please contact the Executive Officer, Conflict and Dispute Resolution Studies Programme: Email: [cdssec@tcd.ie](mailto:cdssec@tcd.ie); web: [www.tcd.ie/ise](http://www.tcd.ie/ise).

**73.7 Course Co-ordinator:** Professor Gillian Wylie

## **74. Continuing Professional Development**

*The last intake for this course was 2009/10*

**74.1 Introduction:** The School of Education, in association with the Association of Teachers and Education Centres in Ireland, the Christian Brothers, the Church of Ireland College of Education, Marino Institute of Education, Second Level Support Service, the Curriculum Development Unit, CDVEC and Leadership Development for Schools provide 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 in Educational Studies or a Postgraduate Diploma in Educational Leadership and Management. Typically the activities are organised outside of normal school hours and in different Education Centres to facilitate attendance.

**74.2 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).

**74.3 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.

74.4 *Duration:* The four modules for the Postgraduate Diploma may be obtained over a period of two years.

74.5 The modules are normally offered outside school hours, either in the evenings, at weekends or full-time weeks during school holidays.

74.6 The modules are assessed by assignment, practical exercises or written examinations.

74.7 Modules are offered in a variety of educational areas including disability needs assessment, 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 and management, 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.

74.8 *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. The Postgraduate Diploma is the equivalent of 60 ECTS with each module at 15 ECTS.

74.9 *Course Co-ordinator:* Professor Carmel O'Sullivan

**75. Digital Humanities and Culture (M.Sc./P.Grad.Dip.)**

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc.  
See Entry 37 above.

**76. Disability Studies (M.Sc./P.Grad.Dip.)**

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc.  
See Entry 22 above.

**77. Early Modern 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 39 above.

**78. 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 9 above.

**79. Education (Prof. Dip.Ed.)**

79.1 *Introduction:* The School of Education is responsible for the organisation and administration of the course for the Professional Diploma in Education. The purpose of the course is to prepare candidates for teaching in second-level education.

79.2 *Aims:* The course aims to develop in students:

- knowledge and appreciation of the discipline of education;
- a sense of the broad context of Irish education as part of society as a whole;
- an appreciation of the complicated nature of the teacher's role and of the function(s) of schools in society;
- knowledge of a range of models of instruction, with the ability to choose

between them and to apply them in practice;

- the ability and willingness to act as reflective practitioners, adopting critical insights into practice as appropriate.

**79.3 Admission Requirements:** Candidates for admission to the course leading to the Professional Diploma in Education must hold an honors Bachelor degree that includes, as a substantial component, at least one subject from the list of those offered by the School of Education: Business Studies, English, Geography, History, Irish, Mathematics, Modern Languages, Music, Religious Education and Science.

**79.4 Duration:** The course is offered on a one-year full-time basis. It is in two integral parts, initial induction week before the start of teaching term in College and general throughout the academic year. During 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 appropriate fee.

**79.5 Course Content:** The course consists of College-based lectures consisting of modules on the disciplines of education and teaching pedagogies and school-based teaching practice module which lasts for the full school year. The course is the equivalent of 60 ECTS credits assigned as follows:

• Educational Philosophy and Theory	5 ECTS
• Applied Psychology in Education	5 ECTS
• Special Educational Needs (SEN)	5 ECTS
• Introduction to Contemporary Policy Issues and the Sociology of Education	5 ECTS
• Introduction to Assessment and Examinations in Post-primary Education	5 ECTS
• History of Education	5 ECTS
• Teaching Subject Pedagogies (major, minor, ICT)	10 ECTS
• Teaching Practice	20 ECTS

The School of Education also offers a range of non-assessed electives on issues in education and teaching.

**79.6 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 Teaching 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.

**79.7 Assessment and Examinations:** Students are evaluated by coursework, assessment, including Teaching Practice, throughout the year and by written examinations. Students must complete all the exercises prescribed. 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 Professional Diploma are divided into three classes according to merit. They are awarded first class honors, second class (first division) honors, second class (second division) honors and third class honors. Supplemental candidates or students who have failed to complete the requirements of the Professional Diploma course by the beginning of the annual examinations for other than duly certified medical reasons, can only qualify for the award of the Professional Diploma with third class honors.

**79.8** Candidates should note that, in accordance with the requirements of the Teaching Council, a minimum of two-thirds attendance at all components of the course is mandatory.

**80. 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 6 above.

**81. 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 40 above.

**82. Film Theory and 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 42 above.

**83. Fine Art (M.F.A./P.Grad.Dip.)**

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.F.A.  
See Entry 7 above.

**84. 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 43 above.

**85. Intercultural Theology and Interreligious 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.

**86. International Peace 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 45 above.

**87. International Politics (M.Sc./P.Grad.Dip.)**

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc.  
See Entry 27 above.

**88. Irish Writing (M.Phil./P.Grad.Dip.)**

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Phil.  
See Entry 47 above.

**90. 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 48 above.

**91. Management (P.Grad.Dip.)**

*There is no intake in 2012/13*

91.1 *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.

91.2 *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.

91.3 *Duration:* The course is part-time over one year.

91.4 *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

Not all modules listed may be offered in a given academic year and may be replaced by alternatives.

91.5 *Assessment:* The course is assessed by way of written examinations, written assignments, and both individual and group project.

91.6 *Course Director:* Dr Michael Shiel

### **92. 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 53 above.

### **93. Music and Media Technologies (P.Grad.Dip./M.Phil.)**

See Entry 54 above. Students register on the Postgraduate Diploma in the first instance.

### **94. Music Composition (M.Phil./P.Grad.Dip.)**

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Phil.  
See Entry 55 above.

### **95. Old Irish (P.Grad.Dip.)**

*There is no intake in 2012/13*

95.1 *Introduction:* This course is intended to provide graduates in related disciplines with a solid grounding in Old Irish language and literature.

95.2 *Admission Requirements:* Applications for admission must be made by 31<sup>st</sup> July 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.

95.3 *Duration:* The course lasts for the two semesters of one academic year beginning in September and requires full-time study. Candidates are assessed by an examination consisting of two three-hour papers.

95.4 *Coursework:* The course will consist of six contact hours per week grouped as the following modules:

1.	Introduction to Old Irish (two hours)	20 ECTS
2.	Tutorials in Old Irish (two hours)	20 ECTS
Two of the following:		
3.	Old Irish poetry (one hour)	10 ECTS
4.	Old Irish glosses (one hour)	10 ECTS
5.	Old Irish saga (one hour)	10 ECTS
	Total	60 ECTS

All modules are weighted according to their credit values

95.5 *Course Co-ordinator:* Professor Damian McManus

#### **96. Political Science (M.Sc./P.Grad.Dip.)**

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc.  
See Entry 28 above.

#### **97. Popular 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 56 above.

#### **98. 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 57 above.

#### **99. Public History and Cultural Heritage (M.Phil./P.Grad.Dip.)**

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Phil.  
See Entry 58 above.

#### **100. 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 11 above.

#### **101. 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 61 above.

#### **102. Technology and Learning (M.Sc./P.Grad.Dip.)**

See entry 21 in the Faculty of Engineering, Mathematics and Science for further details.

### **Higher Diplomas**

#### **103. Higher Diploma in Psychology**

103.1 *Introduction:* The Higher Diploma course is designed to provide a pre-professional qualification in psychology; equivalent to an honors bachelor degree 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 accredited by the Psychological Society of Ireland, based on lectures, tutorials, laboratory classes and research projects. The Higher Diploma in Psychology carries 120 ECTS credits. Candidates for admission to the course must normally hold a Bachelor degree in any discipline, with at least an upper second class honors.

This course has been designed 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, Clinical Supervision, Applied Psychology, Applied Behaviour Analysis, Psychoanalytic Studies and the M.Sc. and Ph.D. degrees by research.

103.2 *Modules:* Students must complete all of the following foundation modules during the two years of the course:

	ECTS
Introduction to Psychology	5
Cognition	5
Fundamentals of Neuroscience and Behaviour	5
Personality and Individual Difference/Psychological Disorder	5
Developmental Psychology	5
Perception	5
Social Psychology	5

Foundation modules not taken in year one will be taken in year two. Details of the foundation modules which students are required to take in each year of the course are provided in the course handbook. In addition, in both years one and two, students are required to take modules in Statistics and Methodology and Research Skills and Methodology (30 credits in total over years one and two) and the Academic Skills Tutorials Modules (5 credits in each year.) Students in year two are required to carry out an empirical investigation of a psychological topic or question (which carries 20 credits), under the supervision of a member of the academic staff in the School.

A range of advanced modules is offered each year and over the two years of the course, students must take at least one module from each required area (biological, cognitive, social, development, personality and individual differences). Each advanced module carries 5 credits. Modules taken in year one may not be taken in year two. The course handbook contains details of the advanced modules available and of the number of these modules which students are required to take in each year of the course.

103.3 Modules are offered subject to timetabling restrictions and staff availability and may be offered in years other than those scheduled. Additional modules may occasionally be provided for particular years of the course and credit for participation in these modules will be given in the assessment process. Details of such modules as become available and any requirements for attendance and participation are published at the beginning of the academic year.

103.4 *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 module.

#### *Higher Diploma Year 1:*

Candidates take examination papers in Trinity Term, (except where advised in the course handbook) one for each of the foundation modules and one for each of the advanced modules read in year one. In addition, candidates will be required to complete continuous assessment essays for each of the advanced module read in year one. The modules in Academic Skills Tutorials, Statistics and Methodology and Research Skills and Methodology will be assessed by continuous assessment.

In order to proceed to the second year, students must achieve an overall credit-weighted average mark of at least 40% and accumulate 60 credits by (a) passing all modules outright or (b) passing by compensation.

Supplemental examinations will be held in year 1. Students who do not pass all modules at the annual examination, either outright or by compensation, are required to re-take failed elements (coursework and/or examinations) in the failed modules at the supplemental session as required by the Court of Examiners

In the calculation of the overall average mark, module marks are weighted according to their credit values. 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 School covers, of a practical project which has been carried out during the second year of the programme.

Candidates take examination papers in Trinity Term, (except where advised in the course handbook) one for each of the foundation modules and one for each of the advanced modules read in year two. In addition, candidates will be required to complete continuous assessment essays for each of the advanced module read in year two. The modules in Academic Skills Tutorials, Statistics and Methodology and Research Skills and Methodology will be assessed by continuous assessment. In order to successfully complete the second year of the course, thereby qualifying for the award of the Higher Diploma in Psychology, students must achieve an overall average mark of at least 40%, and accumulate 60 credits by (a) passing all modules outright or (b) passing by compensation or (c) passing by aggregation.

There are no supplemental examinations in the second year of the course. In the calculation of the overall mark, modules are weighted according to their credit values. Full details of coursework requirements and assessment procedures are available in the course handbook.

Successful candidates for the Higher Diploma in Psychology are divided into three classes according to merit. They are awarded first class honors, second class (first division) honors, second class (second division) honors and third class honors. Students who have failed to complete the attendance and coursework requirements of their year by the beginning of the annual examination session for other than duly certified medical reasons will be deemed to have failed the year, and may be permitted to repeat the year in accordance with the College's General Regulations.

103.5 *Course Director:* Professor Jean Quigley

## 6(b). Faculty of Engineering, Mathematics and Science

### 1. Master in Engineering (M.A.I. (Ind.))

1.1 *Admission:* Applications for the Research Master degree of M.A.I. should be addressed to the Dean of Graduate Studies. This degree carries 120 ECTS credits. There are two possible routes for a postgraduate student to obtain an M.A.I. (Ind.). 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. (Ind.) 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 under Master in Engineering (M.A.I. (Ind.)) Recurrent Education.

1.4 *Course Director:* Professor Brendan O'Kelly

### 2. Master in Engineering (M.A.I. (Ind.)) Recurrent Education

2.1 *Admission:* Applicants for the Research Master in Engineering (M.A.I. (Ind.)) Recurrent Education degree must be engineering graduates and either have a B.A.I./B.Sc.(Ing.) degree or hold a combination of two postgraduate diplomas approved by the Director of Teaching and Learning (Postgraduate). This degree carries 120 ECTS credits.

2.2 *Duration:* The duration of the programme is normally two years part-time and the dissertation should be submitted not later than three years after registering for the degree.

2.3 *Dissertation:* The candidate is required to prepare a dissertation on a research project carried out in his/her professional environment. The work is to be carried out to academic criteria and should include some contribution to knowledge. It will be supervised by a member of staff from the School of Engineering. The agreement, in writing, of a person in authority from the student's workplace to carry out this research will normally be required.

2.4 *Assessment:* The award of Master in Engineering (M.A.I. (Ind.)) Recurrent Education degree will be based on a dissertation submitted by a suitably qualified engineering graduate. The candidate is required to submit two bound copies of his/her dissertation and will normally be asked to undergo a *viva voce* examination on the subject matter of the dissertation.

2.5 *Course Director:* Professor Brendan O'Kelly

### 3. Master in Science in Development Practice (M.Sc./P.Grad.Dip.)

3.1 *Introduction:* This Masters course in Development Practice (MDP) involves intensive training of development practitioners across four basic pillars of economics and social science, environment, global health and management, and requires 120 ECTS for its completion at the Masters level. The degree (and related Postgraduate Diploma) is jointly awarded by the University of Dublin Trinity College and University College Dublin, and the course is jointly taught by academic staff of both institutions. Students have joint institutional registration on the course.

3.2 *Admission Requirements:* Entry to the MDP programme is based on competitive selection, and applicants who have an excellent honors Bachelor degree in the social, health or natural sciences or management are targeted. A high upper second class honors primary

degree (or grade point average [GPA] of 3.5 and above) is a general requirement for consideration for admission. In exceptional cases applicants with a lower grade for their degree will be considered if they have demonstrated outstanding achievement in their practical work in the field of international development through their work for government or inter or non-governmental organizations.

3.3 *Duration:* MDP format of delivery is full time over two years. The MDP course curriculum consists of four key disciplinary pillars: Natural Sciences, Social Sciences, Management and Health Sciences. Students are required to take core modules in each of these areas. The programme is designed to provide world class training for practitioners in development. To achieve this the M.Sc. in Development Practice combines a range of teaching and learning approaches and mechanisms in the seminar room, in the global classroom, and in the field (students engage in a number of internships and fieldwork modules), and brings to bear expertise from both academics and practitioners.

3.4 *Modular Course Structure:* All modules, apart from the "Intensive pre-MDP Boot Camp", are obligatory as follows:

1. Tropical Agriculture and Sustainable Development (5 ECTS)
2. Climate Change and Development (5 ECTS)
3. Science, Technology and Sustainable Development (5 ECTS)
4. Climate Justice (5 ECTS)
5. Economic and Policy Analysis (5 ECTS)
6. Advanced Economic and Policy Analysis (5 ECTS)
7. Gender and Development (5 ECTS)
8. Achieving the Millennium Development Goals (5 ECTS)
9. Research Methods and Project Management (5 ECTS)
10. Global Health (5 ECTS)
11. Impact Measurement in Development Aid (5 ECTS)
12. Post-Conflict Situations (5 ECTS)
13. Governance, Politics, and Development (5 ECTS)
14. Globalisation and African Development (5 ECTS)
15. Global Classroom: Integrated Approaches to Sustainable Development Practice (5 ECTS)
16. NGO Placement (5 ECTS)
17. Fieldwork 1 (10 ECTS)
18. Fieldwork 2 (10 ECTS)
19. Intensive pre-MDP Boot Camp (not for credit)
20. Kiswahili Language Course (not for credit)
21. In year two students will write up and submit a 10,000 word dissertation (maximum) based on the agreed thematic area. Dissertations will draw on research conducted during the Fieldwork Modules. Dissertation supervisors will be allocated from amongst the UCD and TCD staff teaching on the course to fit with the students' topics. The students' topics will be decided in consultation with the intergovernmental organization to which they are attached. Both their desk-based and field research will focus on this topic. Where appropriate a student may be jointly supervised by two supervisors, with the approval of the Course Director and Co-ordinators.

3.5 *Progression rules:*

1. Students are assessed for each taken module with a grade/numerical percentage mark (%) at the end of the semester/term during which delivery of a module is completed. All end-of-module marks are returned by module Co-ordinators to the course office in TCD. The mark recorded by the course office for a module passed by compensation is the actual mark awarded to the module prior to compensation.
2. The Pass mark for a module is 50% of the total marks available for the module. In each year of the course compensation is only permitted at the supplemental stage for a maximum of two failed modules, excluding Fieldwork Modules for which no compensation is permitted.
3. Students are entitled to one supplemental examination and/or can re-submit failed assignments in any failed module. Resubmission of failed assessments is normally by August 31st along with dissertations, or as arranged with the module lecturer and course co-ordinator.
4. Fieldwork: The Fieldwork Modules can only be offered once during the

academic year in the summer and may not be repeated within the same academic year. A failed fieldwork module may only be repeated once with permission to go off-books the following academic year unless recommended otherwise by the course committee which can also recommend an alternative programme of study where the student cannot undertake or complete a fieldwork Module for documented medical reasons or in the case of a documented family emergency.

5. An exit award of Postgraduate Diploma in Development Practice will be considered where a student has passed year one of the course accumulating 60 ECTS.

6. The graduand who has been awarded the Postgraduate Diploma in Development Practice is not eligible to re-register on the course in the future for the award of the Masters degree.

7. Students must pass all modules on the course, including the dissertation, subject to the rules of compensation, in order to be considered for an award of Masters degree.

3.6 *Course Co-ordinator:* Professor Pádraig Carmody

## **M.Sc. (St.) Courses**

### **4. Engineering (by Module)**

4.1 *Introduction:* M.Sc. courses may be provided by the School of Engineering by selecting appropriate modules from those available. Candidates seeking to apply for M.Sc. courses in the School are required to contact the Director of Teaching and Learning (Postgraduate) for further information and for application procedures. The School of Engineering reserves the right to amend the list of available modules for selection in any particular year. Candidates are also required to complete a dissertation on an individual project. In order to complete the course, candidates must take modules which total 60 ECTS credits together with a dissertation worth at least 30 ECTS credits. Alternatively, a course carrying 120 ECTS credits, using modules run by approved partner institutions, may be followed. In this case, at least 60 ECTS credits must be taken at Trinity College Dublin and the candidate must submit a dissertation worth at least 30 ECTS.

4.2 *Assessment:* 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. All modules of the course must be passed. The pass mark for the course is 50%. The overall mark for the course is the credit-weighted average of the mark awarded for each module.

Students who pass taught modules amounting to at least 60 credits, but who do not choose to proceed to dissertation or who fail the dissertation may, on recommendation of the examiners, be awarded a Postgraduate Diploma in Engineering.

### **5. Biodiversity and Conservation (M.Sc./P.Grad.Dip.)**

5.1 *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 utilises a range of teaching methods to develop key theoretical knowledge and links this to practical skills. Skills in developing research methods are developed through desk studies and (for M.Sc. candidates only) a research project resulting in a submission of a dissertation.

5.2 *Admission Requirements:* Applicants will be required to hold at least an upper second class honors Bachelor degree 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 also be accepted.

An Admissions Committee from the School of Natural Sciences awards places on a competitive basis. Applications must be accompanied by a one page letter outlining the applicant's interest and experience in biodiversity and its conservation.

5.3 *Duration and course structure:* The course, carrying 90 ECTS credits, runs over a twelve-month period, using learning modules as described below. All modules are compulsory.

Title	ECTS
Introduction to biodiversity	5
Environmental and biodiversity policy	5
Introduction to conservation biology	5
Desk studies	10
Data handling	5
Taxonomy, systematics and identification skills	5
Human impacts with biodiversity	5
Project planning	5
Overseas field course	5
Global Environmental change	5
Practical conservation biology	5
Research project: Dissertation	30

5.4 *Assessment:* Candidates are assessed throughout the course by written examination, coursework and essays, presentations, web-based tests, a desk-based project and a dissertation based on a research project.

To pass the taught component of the course, the candidate must achieve a pass mark (50% or above) in all the taught modules. The final mark for the course is the credit-weighted average of the mark awarded in each module. A student may be permitted to undertake supplemental assessment or a supplemental examination in one module only at the discretion of the Court of Examiners. If successful, the mark for the relevant module will be recorded as 50%. To proceed to the individual research project, the candidate must, as a minimum, have passed outright taught modules amounting to at least 50 credits including the Project Planning module, and have an overall average mark of at least 50% and, for modules amounting to not more than 10 credits, have achieved a mark of at least 40% in each failed module. In order to be awarded the degree of Master of Science in Biodiversity and Conservation, candidates must satisfy the Court of Examiners by passing outright or by compensation all the taught modules of the course, and by obtaining a pass in the dissertation. A student who passes the taught component of the course but fails the project planning module will be required to submit a revised research project proposal prior to being permitted to commence the individual research project leading to a dissertation. If the revised proposal remains unsatisfactory, the student may apply for the Postgraduate Diploma in Biodiversity and Conservation, provided that s/he has an overall mark of at least 50%, has passed modules amounting to at least 50 credits and has a mark of at least 40% in the failed module(s).

To obtain a Masters degree with distinction, a candidate must satisfy the examiners by: (i) passing all taught modules and achieving an overall average mark for the course of 70% or above, and (ii) achieving a mark of 70% or above for the dissertation relating to the individual research project.

5.5 *Course Director:* Professor Stephen Waldren

## 6. Bioengineering (M.Sc./P.Grad.Dip.)

6.1 *Introduction:* The course aims to develop engineers with an advanced understanding of the technologies underpinning the Biomedical research and the medical device industry, particularly the design, development and market regulation of medical devices and associated healthcare products. The course is taught jointly with University College Dublin, the National College of Art and Design, and the Royal College of Surgeons in Ireland.

6.2 *Admission Requirements:* Candidates for this course must (i) hold an upper second class honors Bachelor degree in engineering, physical sciences, mathematics 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. Applicants from a medical or life sciences background are also encouraged to apply provided they have proven mathematical ability.

6.3 *Duration:* One year full-time, or two years part-time.

6.4 *Course Structure:* The MSc in Bioengineering consists of taught modules and a project focusing on medical devices and important clinical needs and carries 90 ECTS credits. Each student is required to conduct a research project and submit a dissertation. This is the equivalent of 30 ECTS credits for a 6 month research project or 55 ECTS credits for a 12 month specialisation research project. The remaining credits must be taken from the following taught modules:

- Basic Medical Sciences (5 ECTS credits)
- Biomechanics (10 ECTS credits)
- Physiological Measurement (10 ECTS credits)
- Biomaterials (10 ECTS credits)
- Research Methods (15 ECTS credits)
- Neural Engineering (5 ECTS credits)
- Cell and Tissue Engineering (5 ECTS credits)
- Rehabilitation Engineering (5 ECTS credits)
- Neural Signal Analysis (10 ECTS credits)
- Form and Function of the Nervous System (5 ECTS credits)
- Implantable Neural Systems (5 ECTS credits)
- Neuroimaging Technology (5 ECTS credits)
- Current Research Topics and Techniques in Neural Engineering (10 ECTS credits)

Other approved modules may be added.

6.5 *Assessment:* The overall pass mark is 50%. The overall mark for the course is the credit-weighted average of the mark awarded for each module. Taught modules are assessed by examination papers at the end of Michaelmas and Hilary Terms together with in-course assessments and are non-compensatable. To qualify for the award of the M.Sc. in Bioengineering, students are required to pass all modules of the course, including the research dissertation. Candidates who do not proceed to the dissertation, or who have failed their dissertation but have passed all required modules, may, on the recommendation of the examiners, be awarded a Postgraduate Diploma in Bioengineering, provided that they have passed individual modules amounting to 60 ECTS credits. Both the examinations and the dissertation are subject to external moderation. Part-time students will select modules for year 1 and year 2 in consultation with the course director. Part-time students will be formally progressed from year 1 to year 2 of the course at the Examiner's meeting based on their performance in year 1.

6.6 *Course Director:* Professor Richard Reilly

## **7. Computer Science (Interactive Entertainment Technology) (M.Sc./P.Grad.Dip.)**

7.1 *Introduction:* This M.Sc. in Computer Science is a one-year full-time graduate course in Computer Science focusing on Interactive Entertainment Technology.

7.2 *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 course 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.

7.3 *Admission Requirements:* Admission to the course is competitive, and is normally restricted to graduates who have achieved an upper second class honors Bachelors 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.

7.4 *Duration:* The course will be offered on a one year, full-time basis.

7.5 *Course structure:* The taught component of the M.Sc. course will incorporate both taught and practical elements. Students will also undertake an independent research project

that will be submitted in the form of a dissertation (30 ECTS).

*In first term*, candidates must take modules A1, A2, and A3 along with three other modules selected from options B1 to B5 as listed below:

A1. Numerical Methods and Advanced Mathematical Modelling – Part 1 (5 ECTS)

A2. Software Engineering for Distributed Systems (5 ECTS)

A3. Software Engineering Individual Project (5 ECTS)

B1. Data Communications and Networks (5 ECTS)

B2. Artificial Intelligence (5 ECTS)

B3. Graphics and Console Hardware (5 ECTS)

B4. Real-time Animation (5 ECTS)

B5. Vision Systems (5 ECTS)

*In the second term*, candidates must take modules A4 and A5 along with three other modules selected from options B6 to B10 as listed below:

A4. Numerical Methods and Advanced Mathematical Modelling – Part 2 (5 ECTS)

A5. Interactive Entertainment Technology Group Project (10 ECTS)

B6. Data Communications and Networks Practical Module (5 ECTS)

B7. Autonomous Agents (5 ECTS)

B8. Real-time Rendering (5 ECTS)

B9. Real-time Physics (5 ECTS)

B10. Augmented Reality (5 ECTS)

Certain courses in second term may require the completion of pre-requisite modules in first term. Some of the modules in either term may be withdrawn from time to time and some new modules included, subject to demand.'

7.6 *Assessment*: To be allowed to proceed to the dissertation leading to the degree of Master in Computer Science, candidates must (i) achieve an overall average mark of at least 50% across all the taught modules and (ii) for modules amounting to not less than 50 credits, achieve a mark of at least 50% in each individual module and for modules amounting to not more than 10 credits, achieve a mark of at least 40% in each individual module. The overall mark for the taught modules is based on a credit-weighted average of the mark awarded in each module. Students who fail one or more modules may, at the discretion of the Court of Examiners, re-attempt through submission of supplementary assessment(s) by an appointed date or by sitting supplementary examination(s). The maximum mark awarded for supplementary assessment or examinations is 50%.

To satisfactorily complete a dissertation, students must submit their dissertation by the prescribed date and must obtain a passing grade in their dissertation. In order to qualify for the award of Masters with Distinction, students must, as a minimum, achieve a grade of distinction in their dissertation and achieve a mark of at least 68% in the unrounded average mark for the taught modules, and, for modules amounting to not less than half of the credits required for the taught component of the course, achieve a minimum mark of 70% in each individual module. A distinction cannot be awarded if a candidate has failed any credit during the course.

Students who pass the required modules but who are not permitted to or otherwise do not submit a dissertation, or who do not satisfactorily complete their dissertation, will be eligible for the award of a Postgraduate Diploma in Computer Science. The Postgraduate Diploma with distinction is awarded to students who achieve at least 68% in the overall average mark and achieve a minimum mark of 70% in individual modules which together amount to at least half of the required credits for the award of the Postgraduate Diploma associated with the student's registered course. All assessments and the dissertation will be subject to external review.

7.7 *Course Director*: Professor John Dingliana

## **8. Computer Science (Mobile and Ubiquitous Computing) (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 mobile and ubiquitous computing.

8.2 *Aim*: The primary goals of this course are to equip graduate students from diverse backgrounds with an integrated set of skills that will empower them to develop their professional careers in Mobile and Ubiquitous Computing and related areas of information

technology to enable them to become leaders in their chosen field of specialisation. The particular focus of the course involves developing and demonstrating specialism and thought leadership in the theoretical and practical concepts that drive innovation in the design and deployment of mobile and ubiquitous computing solutions. The course embraces the state of the art in mobile and ubiquitous computing research and technologies, stimulating engagement in the evolution of the domain. The acquisition of new skills and competencies, closely aligned to the development of the graduates capacity as agents of change and innovation, are key foci of the course.

8.3 *Admission Requirements:* Admission to the course is competitive, and is normally restricted to graduates who have achieved an upper second class honors Bachelors degree, or better, in computing, engineering, information technology, or a related discipline. Well-qualified candidates from other numerate disciplines who have sufficient knowledge of computing (including evidence of the ability to program) may also be accepted.

8.4 *Duration:* One year (September-August), full-time. Students will not be permitted to join the course late.

8.5 *Course structure:* The taught component of the course will incorporate both taught and practical elements. Students will also undertake an independent research project that will be submitted in the form of a dissertation (30 ECTS). The list of modules currently available to students includes:

1. Data Communications and Wireless Networking (5 ECTS)
2. Vision Systems (5 ECTS)
3. Middleware for Ubiquitous Computing (5 ECTS)
4. Real-time and Embedded Systems (5 ECTS)
5. Context Awareness (5 ECTS)
6. Human-Computer Interaction (5 ECTS)
7. Mobile & Ubiquitous Computing: State of the Art (5 ECTS)
8. Data Communications & Wireless Networking Practical (5 ECTS)
9. Software Engineering/Middleware Group Project (5 ECTS)
10. Individual Programming Project (5 ECTS)
11. Information Architecture (5 ECTS)
12. Mobile & Autonomous Systems Innovation (5 ECTS)

All modules are core, and taken by all students. Students are required to reach a full complement of 90 ECTS to be eligible for the award of the M.Sc. degree. Not all modules listed may be offered in a given academic year and may be replaced by alternatives.

8.6 *Assessment:* To be allowed to proceed to the dissertation leading to the degree of M.Sc. in Computer Science, candidates must (i) achieve a pass mark of at least 50% in the credit-weighted average mark for all taught modules, and ii) for modules amounting to not less than 50 credits achieve a mark of at least 50% in each individual module, and for modules amounting to not more than 10 credits achieve a mark of at least 40% in each individual module. Students who fail one or more modules may, at the discretion of the Court of Examiners, re-attempt through submission of supplementary assessment(s) by an appointed date or by sitting supplementary examination(s). The maximum mark awarded for supplementary assessment or examinations is 50%. To satisfactorily complete a dissertation, students must submit their dissertation by the prescribed date and must obtain a passing mark of 50% in their dissertation. The final mark for the course is based on a credit-weighted average of the mark awarded in each module, including the dissertation. In order to qualify for the award of M.Sc. with distinction, students must, as a minimum, achieve a mark of 70% or above in the dissertation, and achieve at least 68% in the unrounded overall average mark for the taught modules, and for modules amounting to not less than half the credits required for the taught component of the course, achieve a minimum mark of 70% in each individual module. A distinction cannot be awarded if a candidate has failed any credit during the period of study.

Students who pass the required modules but who are not permitted to or otherwise do not submit a dissertation, or who do not satisfactorily complete their dissertation, will be eligible for the award of a Postgraduate Diploma in Computer Science. The Postgraduate Diploma may be awarded with distinction to candidates who achieve at least 68% in the unrounded overall average mark for the taught modules and achieve a minimum mark of 70%

in individual modules which together amount to at least half of the required credits for the award of the Postgraduate Diploma associated with the student's registered course. All assessments and the dissertation will be subject to external review.

8.7 *Course Modules:* Course modules cover a range of topics relevant to the design, implementation and future evolution of complex mobile and ubiquitous systems. A student's choice of a topic for a dissertation will be subject to the approval of the Course Director.

8.8 *Course Director:* Professor Meriel Huggard

## **9. Computer Science (Networks and Distributed Systems) (M.Sc./P.Grad.Dip.)**

9.1 *Introduction:* The M.Sc. in Computer Science is a one-year, full-time graduate course in Computer Science focusing on networks and distributed systems.

9.2 *Aim:* The primary aim of the course 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 course 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 course 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 course 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 course is intended to prepare graduates to pursue careers in industry or to undertake basic research in the field.

9.3 *Admission Requirements:* Admission is competitive and is normally restricted to graduates who have achieved an upper second class honors Bachelor 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.

9.4 *Duration:* One-year (September-August), full-time. Students will not be permitted to join the course late.

9.5 *Course Structure:* The taught component of the M.Sc. course will incorporate both taught and practical elements. Students will also undertake an independent research project that will be submitted in the form of a dissertation (30 ECTS). The list of modules currently available to students includes:

1. Data Communications and Wireless Networking (5 ECTS)
2. Middleware for Distributed Systems (5 ECTS)
3. Networked Applications I (5 ECTS)
4. Software Engineering for Distributed Systems (5 ECTS)
5. Business Innovation (5 ECTS)
6. Management of Networks & Distributed Systems (5 ECTS)
7. Data Communications & Wireless Networking Practical (5 ECTS)
8. Software Engineering/Middleware Group Project (5 ECTS)
9. Individual Programming Project (5 ECTS)
10. Networked Applications II (5 ECTS)
11. Sustainable Computing (5 ECTS)
12. Security of Networks & Distributed Systems (5 ECTS)

All modules are compulsory for all students. Students are required to reach a full complement of 90 ECTS to be eligible for the award of the M.Sc. degree. Not all modules listed may be offered in a given academic year and may be replaced by alternatives.

9.6 *Assessment:* To be allowed to proceed to the dissertation leading to the degree of M.Sc. in Computer Science, candidates must (i) achieve an overall average mark of at least 50% across all the taught modules and (ii) for modules amounting to not less than 50 credits,

achieve a mark of at least 50% in each individual module and for modules amounting to not more than 10 credits, achieve a mark of at least 40% in each individual module. The overall mark for the taught modules is based on a credit-weighted average of the mark awarded in each module. Students who fail one or more modules may, at the discretion of the Court of Examiners, re-attempt through submission of supplementary assessment(s) by an appointed date or by sitting supplementary examination(s). The maximum mark awarded for supplementary assessment or examinations is 50%. To satisfactorily complete a dissertation, students must submit their dissertation by the prescribed date and must obtain a passing mark of 50% in their dissertation. In order to qualify for the award of M.Sc. with Distinction, students must, as a minimum, achieve a mark of 70% or above in their dissertation and achieve at least 68% in the unrounded overall average mark for the taught modules, and, for modules amounting to not less than half of the credits required for the taught component of the course, achieve a minimum mark of 70% in each individual module. A distinction cannot be awarded if a candidate has failed any credit during the course. Students who pass the required modules but who are not permitted to or otherwise do not submit a dissertation, or who do not satisfactorily complete their dissertation, will be eligible for the award of a Postgraduate Diploma in Computer Science.

The Postgraduate Diploma with distinction is awarded to students who achieve at least 68% in the overall credit-weighted average mark and achieve a minimum mark of 70% in individual modules which together amount to at least half of the required credits for the award of the Postgraduate Diploma associated with the student's registered course. All assessments and the dissertation will be subject to external review.

9.7 *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.

9.8 *Course Director:* Professor Stephen Barrett

## **10. Electronic Engineering (M.Sc.)**

10.1 See entry 4 above for details of this course.

## **11. Engineering (Environmental / Structural & Geotechnical / Transport) (M.Sc./P.Grad.Dip.)**

11.1 *Introduction:* This course aims to develop engineers with specialist understanding in one of: Environmental Engineering; Structural Engineering; or Transport Engineering. In addition, the course offers students the opportunity to obtain knowledge in complimentary subject areas within Civil Engineering.

11.2 *Admission Requirements:* Candidates for this course must normally hold a first or second class, first division honors Bachelor degree in civil engineering or a cognate discipline and pursue the course full-time for a period of not less than 12 consecutive months. Alternatively the course may be taken part-time over two years. Students register on the Masters course in the first instance.

11.3 *Course Structure:* Candidates must take eleven modules, namely the three mandatory modules (M1, M2 and M3), together with at least four of the modules in their chosen specialisation and four other modules, which in total amount to 90 ECTS credits. In the first semester, candidates pursuing the course full time must take modules M1 and M2 along with four five-credit modules selected from options (including at least two from their selected specialisation), listed below. In the second semester, candidates pursuing the course full time must take module M3 along with four five-credit modules selected from options (including at least two from their selected specialisation), also listed below:

### *Mandatory*

M1. Civil Engineering Management (10 ECTS credits)

M2. Research Methodology (10 ECTS credits)

### M3. (Environmental / Structural / Transport) Engineering Dissertation (30 ECTS credits)

#### *Environmental Engineering*

- E1. Engineering Hydrology (5 ECTS credits)
- E2. Introduction to Environmental Analysis (5 ECTS credits)
- E3. Environmental Engineering (5 ECTS credits)
- E4. Waste and Environmental Management (5 ECTS credits)
- E5. Water Quality and Hydrological Modelling (5 ECTS credits)
- E6. Water Resource Planning (5 ECTS credits)

#### *Structural & Geotechnical Engineering*

- S1. Geotechnical Engineering (5 ECTS credits)
- S2. Advanced Structural Analysis (5 ECTS credits)
- S3. Structural Dynamics and Earthquake Engineering (5 ECTS credits)
- S4. Bridge Engineering (5 ECTS credits)
- S5. Advanced Concrete Technology (5 ECTS credits)
- S6. Soil-Structure Interaction (5 ECTS credits)
- S7. A Unified Theory of Structures (5 ECTS credits)
- S8. Concrete Durability & Sustainability (5 ECTS credits)

#### *Transport Engineering*

- T1. Introduction to Transportation Engineering (5 ECTS credits)
- T2. Transport Modelling (5 ECTS credits)
- T3. Highway Engineering (5 ECTS credits)
- T4. Applied Transportation Analysis (5 ECTS credits)

#### *Common*

- C1. Renewable Energy 1 (5 ECTS credits)
- C2. Renewable Energy 2 (5 ECTS credits)
- C3. Modelling of Civil Engineering Systems (5 ECTS credits)

Some of the module options in either semester may be withdrawn from time to time and some new modules may be added, subject to demand. In the event that insufficient module options are available to meet the minimum module requirements of a particular specialisation then an alternative specialisation or a general Civil Engineering specialisation may be chosen.

Postgraduate Diploma candidates will be assessed on the basis of written examinations and successful completion of the Research Methodology module. M.Sc. candidates will, in addition, complete a substantial research project and submit a dissertation of approximately 30,000 words.

Candidates may also take the course part-time over two-years. In this case, during the first year, the candidates take seven modules, namely: the mandatory modules M1 and M2 along with five of the module options (including at least two from their chosen specialisation), which amount to 45 ECTS credits. During the second year, candidates must complete the compulsory M3 module together with three other module options (including at least two from their chosen specialisation) which amount to another 45 ECTS credits. By the end of the course, part-time candidates must have completed at least four of their specialisation module options and four of the other module options, amounting to a total of 90 ECTS credits.

#### 11.4 *Assessment:*

The pass mark for all elements is 50%. The overall mark for the course is the credit-weighted average of the mark awarded for each module. To qualify for the award of the M.Sc. degree, students must achieve an overall average mark of at least 50%, achieve a pass mark in M3 Dissertation module and either i) pass taught modules amounting to 60 ECTS credits or ii) pass taught modules amounting to at least 50 ECTS credits and have a mark of not less than 40% in the failed modules.

Those students who achieve an overall average mark of 70% or above both for the course and in M3 *Dissertation Phase 2* will be awarded a distinction. A distinction cannot be awarded if a candidate has failed any credit during the course.

#### 11.5 *Course Co-ordinator:* Professor Aonghus McNabola

## 12. Environment and Development (M.Sc./P.Grad.Dip.)

*There will be no intake in 2012/2013*

12.1 *Introduction:* The course is designed to provide students with a sound theoretical and practical grounding in the theory of political ecology and development, while also exposing them to case studies of environmental transformation and management in the developing world and developing their research skills. This modular course will utilize 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.

12.2 *Admission Requirements:* Applicants will be required to hold at least an upper second class honors Bachelor degree in a social science or science subject. Non-EU applicants will be required to hold an equivalent qualification. Relevant, and significant, experience as professional practitioners in environmental or development management or policy will also be taken into consideration.

12.3 *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 candidates for the P.Grad.Dip. are required to take all modules except the Research Project.

Modules:

- Introduction to Environment and Development (5 ECTS)
- Political Ecology and Sustainable Development (5 ECTS)
- Biodiversity-Human Interactions (5 ECTS)
- Environmental Change (5 ECTS)
- Desk Study (10 ECTS)
- Research Methods (5 ECTS)
- Globalization and African Development (5 ECTS)
- Conflict in the Developing World (5 ECTS)
- Project Planning (5 ECTS)
- Research Project (30 ECTS)

Induction and Field Trip (10 ECTS)

12.4 *Assessment:* Candidates shall be assessed throughout the course by written examination, coursework and essays, presentations, and a dissertation based on a research project. The pass mark for all elements is 50%. In the calculation of the overall average mark for the course, modules are weighted according to their ECTS credit value. To pass the taught component of the course, the student must achieve a pass mark (50% or above) in each of the taught modules. Compensation is permitted in modules amounting to not more than 10 credits provided that the student has achieved an overall average mark for the taught modules of at least 50%, has passed outright modules amounting to at least 50 credits and has a mark of not less than 40% in the failed module(s).

In order to be awarded the degree of Master of Science in Environment and Development, candidates must satisfy the Court of Examiners by passing all the taught modules of the course and by obtaining a pass in the dissertation. 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 an M.Sc.

Candidates who pass all taught modules and the desk study amounting to 60 credits but fail their dissertation may be awarded a Postgraduate Diploma. 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.

To qualify for the award of the M.Sc. degree, students must achieve a pass mark overall and in the dissertation, and pass outright or by compensation taught modules amounting to not less than 60 credits. Students who fail in any taught module may be permitted, on one occasion only and at the discretion of the Court of Examiners, to undertake

supplementary work or examination. Where a student is required to take such supplementary work or examination, the mark will be capped at 50% in the case of a successful outcome. A student who fails more than two modules at the first attempt will be required to withdraw from the programme. Students may compensate a fail mark in modules amounting to not more than 10 credits provided that they have an overall average mark of at least 50%, have achieved at least 50% in the dissertation, and have a mark of at least 40% in the failed module(s). The M.Sc. degree with distinction may be awarded to students who fulfilled the requirements of the course, have a mark of at least 70% in the dissertation and in the overall average mark for the course. A distinction cannot be awarded if a candidate has failed any credit during the course.

Students who do not choose to proceed to, or fail, the dissertation, will qualify for the award of the Postgraduate Diploma provided that they have passed outright, or by compensation according to the course regulations, modules amounting to at least 60 credits and have an overall average mark of at least 50%.

12.5 *Course Director:* Professor Pádraig Carmody

### 13. Environmental Sciences (M.Sc./P.Grad.Dip.)

13.1 *Introduction:* This one year, full time course aims to provide a firm scientific understanding of current environmental issues whilst developing a wide range of knowledge and skills relating to the expanding subject of Environmental Science. It is intended for graduates with an appropriate biological/earth sciences background or relevant experience in an environmental field, in addition to established administrative and scientific workers in applied environmental sciences.

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

- (i) holders of first or upper second class honors Bachelor degrees, or their overseas equivalent, awarded by recognised universities, institutions and degree awarding bodies;
- (ii) holders of other degrees of relevant qualifications including professional qualifications, who have at least three years work experience in an environmental profession.

An Admissions Committee from the School of Natural Sciences awards places on a competitive basis. Applications must be accompanied by a one page letter outlining the applicant's interest and experience in the environmental field.

13.3 *Course Structure:* The course, worth 90 ECTS credits, comprises the following two components:

- (i) A taught component comprising modules totalling 60 ECTS credits
- (ii) An individual research project equivalent to 30 ECTS credits

The taught component of the course comprises the following modules or their equivalents:

<i>Title</i>	<i>ECTS</i>
Introduction to Environmental Sciences	5
Desk Study	10
Environmental Policies	5
Environmental Chemical Analysis	5
Data Handling and Analysis	5
Ocean and Coastal Management	5
Hydrology and Groundwater Quality	5
Hydrobiology and Waste Water Treatment	5
Impacts of Climate Change	5
Practical Environmental Skills	5
Project Planning	5
Research Project: Dissertation	30

To complete the course and be eligible for the degree of Master in Science in Environmental Sciences, the candidate must successfully pass both the taught component and the individual research project resulting in a submission of a dissertation.

A student registered for the M.Sc. in Environmental Sciences may apply for a Postgraduate Diploma in Environmental Sciences on successful completion of the taught component of the M.Sc. course.

13.4 *Assessment:* To pass the taught component of the course, the candidate must achieve a pass mark (50% or above) in all the taught modules. The final mark for the course is the credit-weighted average of the mark awarded in each module.

A student may be permitted to undertake supplemental assessment or examination in a maximum of one module at the discretion of the Court of Examiners. If successful, the mark for the given module will be recorded as 50%. A student may fail one module and pass the taught component of the course by compensation providing that they have passed outright modules amounting to at least 50 credits, have an overall average mark of at least 50% across all taught modules and a mark of at least 40% in the failed module(s). A candidate who fails to pass modules amounting to more than 10 credits will be required to withdraw from the programme.

To proceed to the individual research project component of the course, the candidate must satisfy the examiners by:

- (i) achieving a pass (50% or above) in the project planning module, and
- (ii) passing the taught component of the course as outlined above.

A student who passes the taught component of the course but fails the project planning module will be required to submit a revised research project proposal prior to being permitted to commence the individual research project leading to a dissertation. If the revised proposal remains unsatisfactory, the student may apply to be awarded the Postgraduate Diploma in Environmental Sciences provided that s/he has an overall mark of at least 50%, has passed modules amounting to at least 50 credits and has a mark of at least 40% in the failed module(s).

To obtain a Masters degree with distinction, a candidate must satisfy the examiners by:

- (i) passing all taught modules and achieving an overall average mark for the course of 70% or above and,
- (ii) achieving a mark of 70% or above for the dissertation relating to the individual research project.

13.5 *Course Director:* Professor Carlos Rocha

#### **14. Health Informatics (M.Sc./P.Grad.Dip.)**

14.1 *Introduction:* This course is jointly offered by the School of Computer Science and Statistics and the School of Medicine. 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.

14.2 *Aim:* The main aim of the course 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.

14.3 *Admission Requirements:* Applications will be accepted from those who:

1. hold a good honors Bachelor 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 normally be interviewed.

14.4 *Duration:* The M.Sc. in Health Informatics will run over two academic years (September–May) on a part-time basis on Friday afternoons and Saturday mornings to facilitate those in full-time employment.

14.5 *Course Structure:* The course runs over two years part-time and consists of taught modules in year one (45 ECTS) with a research methods course (5 ECTS) and a substantial

research dissertation (40 ECTS) in year two. There is a strong emphasis on practical team-based continuous assessment.

*The list of year one modules currently available to students includes:*

1. Introduction to Health Informatics (10 ECTS)
2. Health Information Systems (10 ECTS)
3. Clinical Decision Support Systems (10 ECTS)
4. Human Computer Interaction in Healthcare (5 ECTS)
5. Introduction to Programming (5 ECTS)
6. Basic Medical Sciences (5 ECTS)
7. Imaging (5 ECTS)
8. Bioinformatics (5 ECTS)

Modules 1, 2, 3, and 4 are core, and taken by all students. The other modules are options and students are assigned to either module 5 or module 6 depending on their background, and are required to choose either module 7 or module 8. Year one thus consists of 45 ECTS. It should be noted that not all modules listed may be offered in a given academic year and may be replaced by alternatives.

Students are required to reach a full complement of 90 ECTS to be eligible for the award of the M.Sc. degree.

**14.6 Assessment:** To be allowed to proceed to the dissertation leading to the degree of M.Sc. in Computer Science, candidates must achieve a pass mark of at least 50% in each of the required modules taken in the first year. Students who fail one or more modules may, at the discretion of the Court of Examiners, re-attempt through submission of supplementary assessment(s) by an appointed date or by sitting supplementary examination(s). The maximum mark awarded for supplementary assessment or examinations is 50%. To satisfactorily complete a dissertation, students must submit their dissertation by the prescribed date and must obtain a pass grade or higher in their dissertation. The overall mark for the taught modules is based on a credit-weighted average of the mark awarded in each module. In order to qualify for the award of M.Sc. with distinction, students must, as a minimum, achieve a grade of distinction in their dissertation and achieve a mark of at least 68% in the unrounded average mark for the taught modules and, for modules amounting to not less than half the credits required for the taught component of the course, achieve a minimum mark of 70% in each individual module. A distinction cannot be awarded if a candidate has failed any credit during the course.

Students who pass the required modules but who are not permitted to or otherwise do not submit a dissertation, or who do not satisfactorily complete their dissertation, will be eligible for the award of a Postgraduate Diploma in Computer Science. The Postgraduate Diploma with distinction may be awarded to students who achieve at least 68% in the overall average mark and achieve a minimum mark of 70% in individual modules which together amount to at least half of the required credits for the award of the Postgraduate Diploma associated with the student's registered course. All assessments and the dissertation will be subject to external review.

**14.7 Course Director:** Professor Lucy Hederman

## **15. High Performance Computing (M.Sc./P.Grad.Dip.)**

**15.1 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. High-performance computing covers the use of multiple computational cores in parallel to solve large-scale numerical or data-intensive problems. Application areas span numerical simulations in academic research and industrial development and data analysis in pure research, financial markets and networks and telecommunications.

**15.2 Admission Requirements:** Applicants should normally have a first class or second class (upper division) honors Bachelor degree in a subject with a significant mathematical component and should have some knowledge of computing and numerical simulation. The course is appropriate for both new graduates and for those currently working in relevant applications areas.

15.3 *Course Structure:* The course is full-time, lasting one year from September each year until the end of August the following year. It consists of coursework, laboratory work and a supervised project in an application area. The modules offered will normally include options in a variety of application areas, and some modules given by other Schools in College or by professionals in relevant areas. The project may be supervised by staff from any School in College where the techniques developed in the course are used in research.

15.4 *Assessment:* Coursework is examined in the May/June period and by continuous assessment. A dissertation describing the project work should be completed by the end of August for examination in September. The pass mark for all elements is 50%. To be awarded the M.Sc., students must achieve a pass in the dissertation, have an overall average mark for the course of at least 50%, and pass core and optional modules amounting to at least 50 credits and achieve a minimum of 40% in any failed modules. The final mark for the course is the credit-weighted average of the mark awarded in each module. The M.Sc. with distinction may be awarded to students who pass all modules, and achieve at least 70% both in the overall mark for the course and in the dissertation.

#### *Core and optional modules*

1. Core modules in High-Performance Computing
  - a) High-performance computing software (10 ECTS)
  - b) High-performance computing systems and hardware (10 ECTS)
  - c) C programming (5 ECTS)
  - d) Numerical methods for HPC (5 ECTS)
  - e) Tools for scientific and technical computing (5 ECTS).

2. Seminars in application areas (compulsory) (5 ECTS)

The seminars will be given by speakers who make use of HPC techniques in their work. The module is examined on the basis of two submitted technical essays of approximately 2,500 words each.

3. Optional modules in High-Performance Computing:

- a) Stochastic methods (5 ECTS)
- b) Monte Carlo Methods (5 ECTS)
- c) Financial Applications (5 ECTS)
- d) Case studies in HPC (5 ECTS)
- e) GPU programming (5 ECTS)
- f) Individual Reading module (5 ECTS)
- g) Other relevant modules (up to 10 ECTS)

4. An individual project leading to a dissertation and oral presentation (30 ECTS). If exceptional circumstances have arisen during the year to make it impossible to undertake a project, a student registered for the Masters course may apply for a Postgraduate Diploma in High Performance Computing. Such students must have an overall average mark of at least 50%, have passed taught modules amounting to at least 50 credits and achieved a minimum mark of 40% in any failed modules. The Postgraduate Diploma with distinction may be awarded to students who have passed outright modules amounting to 60 credits and have achieved an overall average mark of at least 70%.

The availability of optional modules depends on resources available in a given year. Students choose their options in consultation with the course co-ordinator.

15.5 *Course Co-ordinator:* Professor Michael Peardon

## **16. Immunology (M.Sc./P.Grad.Dip.)**

16.1 *Introduction:* This Masters course is designed for graduates aiming to pursue careers in academic research, medicine or the pharmaceutical industry for which a thorough grounding in immunology, immune-mediated pathogenic mechanisms and immunotherapy is required. The course is underpinned by modules in basic immunological principles and technologies. A key component is the research project to be undertaken by each student under the supervision of an academic staff member.

16.2 *Admission requirements:* The course is open to scientific, medical, dentistry and veterinary graduates and will accommodate students from several backgrounds who wish to progress from introductory level Immunology to advanced clinical and applied Immunology.

The rate of progress and depth of the advanced modules will also suit students who may have graduated with an Immunology degree, but who wish to explore the subject in more breadth and detail before committing to a PhD. Successful applicants will hold a minimum Upper Second Class Honors Bachelor degree (2.1) in Medicine, Veterinary Science, Dentistry, Molecular Biology, Genetics, Immunology, Biochemistry, or any Biological Sciences. Medical graduates must have a M.B., B.Ch., B.A.O., or equivalent from a recognised medical school. Veterinary graduates must have B. Vet. Sci. from a recognised veterinary school. Applications for admission to the course are made online normally not later than July 31<sup>st</sup> of the academic year. Late applications will be considered provided places are available.

16.3 *Duration:* 1 year full-time.

16.4 *Course structure:* Students take modules totalling 90 ECTS credits. Taught core modules of 60 ECTS credits and Research Project/Dissertation Module carrying 30 ECTS credits are all obligatory. Each student is also required to undertake a twelve-week research project and submit a dissertation based on the outputs from this research project by 31<sup>st</sup> August. The course is comprised of the following modules and their allocated credits:

<b>Module</b>	<b>ECTS Credits</b>
1. Basic Immunology	10
2. Immunological Technologies	5
3. Communicating Science/Critical Analysis	5
4. Computational and Comparative Immunology	5
5. Genes and Immunity	5
6. Pathogen Detection and Evasion	5
7. Clinical Immunology: Immuno-technologies and diagnostics tests	5
8. Parasite Immunology	5
9. Tumour Immunology	5
10. Global Infectious Diseases	5
11. Immuno-therapeutics and product development	5
12. Research Project/Dissertation	30
<b>TOTAL</b>	<b>90</b>

16.5 *Assessment:*

(a) Each module, including the dissertation, must be passed independently at a minimum of 50%. The final mark for each module will be the average mark derived from each of the assessment types (i.e. personal assignments and examinations).

(b) Failure of a written assignment /examination:

Each assessment type must be passed at a minimum of 50%. In cases where students fail to achieve a minimum of 50% in a written assignment or written examination, a resubmission or repeat examination will be permitted. Only one resubmission or repeat examination will be allowed.

(c) Failure of a module:

Students must pass the modules taken in the first term before they can progress to the second term. There will be an opportunity to sit repeat examinations for Michaelmas Term modules in the first week of the Hilary Term prior to the commencement of teaching, and repeat examinations for Hilary Term modules will take place in May. Failure on the second attempt of modules amounting to more than 10 credits indicates failure, requiring exit from the course,

(d) Compensation:

Students may compensate for failure in modules up to a maximum of 10 credits provided that they have achieved an overall average mark of at least 50%, have passed the research project (M12), have passed taught modules amounting to at least 50 credits and have a mark of at least 40% in the failed module(s).

(e) Dissertation:

The dissertation module must be passed with a minimum mark of 50% in order for the student to be considered for an award of the Masters degree. Compensation is not possible for the dissertation; neither can the dissertation be used to compensate for failure in any of the taught modules.

The final mark is based on a credit-weighted average of the mark awarded in each module and in the research project/dissertation. In order to qualify for the award of the Masters degree, students must achieve an overall average mark of 50% or above, and a pass mark

of 50% in the research project/dissertation, and pass outright or by compensation taught modules amounting to 60 credits.

(f) In order to qualify for the award of Masters with Distinction, students must, as a minimum, achieve a mark of at least 70% in the final overall average mark for the course and in the dissertation.

(g) Students who have passed taught modules amounting to at least 60 credits in accordance with course regulations, but who do not choose to proceed to, or fail, the research project/dissertation, will be considered for the award of the Postgraduate Diploma in Immunology (exit award). The Postgraduate Diploma with distinction is awarded to candidates who, in addition, achieve an overall average mark of 70% or above (Modules 1-11).

16.6 *Course location:* Trinity Biomedical Sciences Institute, Pearse St., Dublin 2

16.7 *Course director:* Professor Cliona O'Farrelly  
*Course coordinator:* Professor Nigel Stevenson

### **17. Integrated Systems Design (M.Sc./P.Grad.Dip.)**

*There is no intake in 2012/13*

17.1 *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.

17.2 *Admission Requirements:* Admission is normally open to graduates who have achieved an upper second class honours 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.

17.3 *Duration:* Two years, part-time. The course will run provided there are sufficient numbers of suitable applicants.

17.4 *Course Structure:* The course consists of taught modules 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.

17.5 *Assessment:* Taught modules 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. 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.

17.6 *Course Director:* Professor Anil Kokaram

### **18. Interactive Digital Media (M.Sc./P.Grad.Dip)**

18.1 *Admission Requirements:* Applications will be accepted from good honors Bachelor 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. Applicants meeting the requirements will normally be interviewed.

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 over the two terms and examinations will take place in April/May. Students will

undertake significant coursework 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 (at the course director's discretion) 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. The list of modules currently available to students includes:

1. Programming for Digital Media (10 ECTS)
2. Authoring for Digital Media (10 ECTS)
3. Contextual Media (10 ECTS)
4. Audio, Video and Sensor Technologies (10 ECTS)
5. Image Processing and 3D modelling (10 ECTS)
6. Research Paper (10 ECTS)

All modules are core, and taken by all students. Students are required to reach a full complement of 90 ECTS to be eligible for the award of the M.Sc. degree. Not all modules listed may be offered in a given academic year and may be replaced by alternatives.

**18.4 Assessment:** To be allowed to proceed to the Research Project leading to the degree of M.Sc. in Computer Science, candidates must (i) achieve an overall mark of at least 50% in the credit-weighted average mark for all taught modules, and (ii) for modules amounting to not less than 50 credits, to include the Research Paper, achieve a mark of at least 50% in each individual module and for modules amounting to not more than 10 credits achieve a mark of not less than 40% in each individual module. Students who fail one or more modules or who fail the Research Paper, may, at the discretion of the Court of Examiners, re-attempt through submission of supplementary assessment(s) by an appointed date or by sitting supplementary examination(s). The maximum mark awarded for supplementary assessment or examinations is 50%. To complete their Research Project satisfactorily, students must submit their Research Project by the prescribed date and must obtain a passing mark of 50% in their Research Project. The Research Project is assessed in compliance with research dissertation regulations. The final mark for the course is based on a credit-weighted average of the mark awarded in each module, including the Research Project. In order to qualify for the award of M.Sc. with distinction, students must, as a minimum, achieve a mark of 70% or above in the Research Project, and achieve at least 68% in the unrounded overall average mark for the taught modules and, for modules amounting to not less than half of the required credits for the taught component of the course, achieve a minimum mark of 70% in each individual module. A distinction cannot be awarded if a candidate has failed any credit during the course.

Students who pass the required modules and the Research Paper, but who are not permitted to or otherwise do not submit a Research Project, or who do not satisfactorily complete their Research Project, will be eligible for the award of a Postgraduate Diploma in Computer Science. The Postgraduate Diploma with distinction is awarded to students who achieve at least 68% in the unrounded overall average mark for the taught modules and achieve a minimum mark of 70% in individual modules which together amount to at least half of the required credits for the award of the Postgraduate Diploma associated with the student's registered course. All assessments and the Research Project will be subject to external review.

**18.5 Course Director:** Professor Glenn Strong

## **19. Management of Information Systems (M.Sc./P.Grad.Dip.)**

**19.1 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. The emphasis in the first year is on research-informed practice and includes a formal academic module. The emphasis in the second year is on academic research, but it also includes a module on innovation and enterprise

**19.2 Admission Requirements:** Applicants for this course must normally hold a good honors Bachelor 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.

19.3 *Duration:* Two years, part-time evening course, to facilitate those in full-time employment.

19.4 *Course Structure:* The course consists of a taught component and a substantial research project resulting in a dissertation of approximately 15,000-20,000 words. The list of modules and their credits is as follows:

*Year 1:*

1. Strategic Systems Planning for Information Systems (10 credits)
2. Social and Organisational Impact of Information Systems (15 credits)
3. Managing the ICT Supplier Environment (10 credits)
4. Managing the ICT Customer Environment (10 credits)

*Year 2:*

1. Innovation and Entrepreneurship (10 credits)
2. Research Methods and dissertation (35 credits)

19.5 *Assessment:* To be allowed to proceed to the second year leading to the degree of M.Sc., candidates must achieve a pass mark of at least 50% in each of the required modules taken in the first year. Students who fail one or more modules may, at the discretion of the Court of Examiners, reattempt through submission of supplementary assessment(s) by an appointed date or by sitting supplementary examinations. The maximum mark awarded for supplementary assessment or examinations is 50%. Students in the second year must pass all modules and complete their dissertation to be eligible for the award of an M.Sc. To complete a dissertation satisfactorily, students must submit their dissertation by the prescribed date and must obtain a pass grade or higher in their dissertation. The overall mark for the taught modules is based on a credit-weighted average of the mark awarded in each module. In order to qualify for the award of M.Sc. with distinction, students must, as a minimum, achieve a grade of distinction in their dissertation and achieve a mark of at least 68% in the unrounded average mark for the taught modules and, for modules amounting to at least half of the credits required for the taught component of the course, achieve a minimum mark of 70% in each individual module. A distinction cannot be awarded if a candidate has failed any credit during the course.

Students who pass the required modules in the first year but who are either (i) not permitted to proceed to the second year, or (ii) for some other reason are unable to complete the second year, or (iii) who do not satisfactorily complete the second year, will be eligible for the award of a Postgraduate Diploma in Management of Information Systems. The Postgraduate Diploma with distinction may be awarded to students who achieve at least 68% in the overall average mark and achieve a minimum mark of 70% in individual modules which together amount to at least half of the required credits for the award of the Postgraduate Diploma associated with the student's registered course. All assessments and the dissertation will be subject to external review.

19.6 *Course Director:* Professor Denise Leahy

## **20. Mechanical Engineering Erasmus Mundus (M.Sc.)**

20.1 *Admission Requirements:* The course is open to holders of good honours degrees in engineering or physical science subjects and will extend over a period of two years.

20.2 *Course Content:* Substantial project plus prescribed modules (including language training) from the 4<sup>th</sup> and 5<sup>th</sup> 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.))

20.3 *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.

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

21.1 *Introduction:* This course is jointly offered by the School of Education and the School of Computer Science and Statistics. The field of Technology and Learning is broadly concerned with the application of Information Technology (I.T.) to teaching and learning processes across formal and informal learning settings and within the framework of lifelong learning. It is an interdisciplinary field in which Pedagogy, Computer Science, and all the domains within which learning occurs interplay.

21.2 *Aim:* The overarching objective of the course is to give students a broad understanding of the underlying principles and practical application of Technology Enhanced Teaching and Learning. The course is intended for those whose work involves the use of I.T. in teaching and learning processes. Graduates of the course should be able to play a leadership role in the use of I.T. to support teaching and learning in both formal and informal educational settings.

21.3 *Admission Requirements:* Admission is normally restricted to graduates who have achieved an upper second class honors Bachelor 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 three 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.

21.4 *Duration:* Two years, part-time.

21.5 *Course Structure:* The M.Sc. Technology and Learning runs over two academic years on a part-time basis. It consists of taught modules (30 ECTS) and a research project (15 ECTS) in year one and a substantial research dissertation (40 ECTS) and research methods course (5 ECTS) in year two. Course modules will cover topics of relevance to the design, implementation and evaluation of Technology Enhanced Learning scenarios. The list of modules currently available to students includes:

Year 1

1. Pedagogy for Technology Enhanced Learning (10 ECTS)
2. Technologies for Teaching and Learning (10 ECTS)
3. e-Learning – Principles and Practice 1 (5 ECTS)
4. e-Learning – Principles and Practice 2 (5 ECTS)
5. Technology and Learning Year 1 project (15 ECTS)

Year 2

1. Research Methods (5 ECTS)
2. Technology and Learning Dissertation (40 ECTS)

All modules are core and compulsory for all students. Not all modules listed may be offered in a given academic year and may be replaced by alternatives.

Students are required to reach a full complement of 90 ECTS to be eligible for the award of the M.Sc. degree.

21.6 *Assessment:* To be allowed to proceed to the dissertation leading to the degree of M.Sc. in Computer Science, candidates must achieve a pass mark of at least 50% in each of the required modules taken in the first year. Students who fail one or more modules may, at the discretion of the Court of Examiners, re-attempt through submission of supplementary assessment(s) by an appointed date or by sitting supplementary examination(s). The maximum mark awarded for supplementary assessment or examinations is 50%. To satisfactorily complete a dissertation, students must submit their dissertation by the prescribed date and must obtain a pass grade or higher in their dissertation. The overall mark for the taught modules is based on a credit-weighted average of the mark awarded in each module. In order to qualify for the award of M.Sc. with distinction, students must, as a minimum, achieve a grade of distinction in their dissertation and achieve a mark of at least 68% in the unrounded average mark for the taught modules and, for modules amounting to at least half of the credits required for the taught component of the course, achieve a minimum mark of

70% in each individual module. A distinction cannot be awarded if a candidate has failed any credit during the course.

Students who pass the required modules but who are not permitted to or otherwise do not submit a dissertation, or who do not satisfactorily complete their dissertation, will be eligible for the award of a Postgraduate Diploma in Computer Science. The Postgraduate Diploma with distinction may be awarded to students who achieve at least 68% in the overall average mark and achieve a minimum mark of 70% in individual modules which together amount to at least half of the required credits for the award of the Postgraduate Diploma associated with the student's registered course. All assessments and the dissertation will be subject to external review.

21.7 *Course Director:* Professor Timothy Savage

## **M.Phil. Courses**

### **22. Music and Media Technologies (P.Grad.Dip./M.Phil.)**

*Run jointly with the School of Drama, Film and Music*

22.1 *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.

22.2 *Admission Requirements:* This course is open to holders of good honors Bachelor degrees (preferably, but not necessarily) in music, engineering or science. Candidates holding degrees in disciplines other than music must also have suitable music qualifications which will be assessed at an entrance test. Consideration will also be given to mature students with relevant industrial experience and suitable music qualifications. However, irrespective of entry qualifications, progression to the second (Masters) year of the course requires an upper second class honours standard or higher in the first year examinations.

22.3 *Duration:* The Postgraduate Diploma course is a full-time course for one academic year; the M.Phil. course is a full-time, two academic year course for those students who attain an appropriate standard in the first year examinations. Students register on the Postgraduate Diploma course in the first instance. Only those students who successfully complete the first year of the course and do not proceed to the second year of studies for the M.Phil. will be awarded the Postgraduate Diploma.

22.4 *Course Structure:* The courses to be undertaken are structured in two semesters per year (full-time for one academic year for the Postgraduate Diploma course; full-time for two academic years for the M.Phil. programme). The first year of study is common to both programmes.

Postgraduate Diploma Course – Year One (60 ECTS credits)

Semester One (30 ECTS credits)

Music and Audio Fundamentals and Training (10 ECTS)

Applications of Technologies in Music, Audio and Image Production (10 ECTS)

Theoretical Foundations of Music, Audio and Media Technologies (10 ECTS)

Semester One (30 ECTS credits)

Computer-Aided Composition in Music and Image (10 ECTS)

Music and Audio Production Technologies (10 ECTS)

New Media Production Technologies (10 ECTS)

M.Phil. Course – Year Two (60 ECTS credits)

Semester One (30 ECTS credits)

Students are required to complete a Preliminary Research module (5 ECTS) and five modules (5 ECTS each) from the following list:

Composition for Mixed Media (5 ECTS)

Electroacoustic Composition (5 ECTS)

Digital Signal Processing (5 ECTS)

Advanced MAX/MSP (5 ECTS)  
Music Cognition and Design (5 ECTS)  
Music Theory and Aural Training (5 ECTS) \*  
Music and Image (5 ECTS)  
Advanced Audio Production (5 ECTS)  
Multichannel Audio Technologies (5 ECTS)

(\* this module is compulsory for students wishing to take the Composition for Mixed Media module in year two of the M.Phil. However, students who demonstrate proficiency in this subject may be granted exemption)

Semester Two (30 ECTS credits)

Research Project (30 ECTS)

This may be a dissertation, a musical composition or a technological assignment with a significant research component. All elective modules require a minimum number of students and may not be offered if this minimum number is not met. Compulsory and elective modules may vary from year to year according to availability.

## 22.5 Assessment

Assessment is by a combination of coursework and written examinations. Students must achieve an overall average mark of at least 60% in the first year in order to proceed to the second year of the course. The pass mark for all elements is 40%.

The final mark awarded at the end of each year is based on a credit-weighted average of the mark awarded in each module taken in that year.

In order to qualify for the award of Postgraduate Diploma, students must achieve an overall average mark of at least 40% in modules taken in the first year. The Postgraduate Diploma with distinction may be awarded to students who achieve an overall average mark of at least 70%.

In order to qualify for the award of the Masters degree, students must achieve an overall average mark of at least 40% in modules taken in the second year, and (ii) achieve a mark of at least 40% in the Research Project. A distinction may be awarded to students who achieve at least 70% in the Research Project and have an overall average mark of at least 70%.

## 22.6 Course Director: Professor Dermot Furlong

### 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.

### 23. Applied Building Repair and Conservation (P.Grad.Dip.)

23.1 *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.

23.2 *Admission Requirements:* An honors Bachelor degree in civil engineering or equivalent professional qualification.

23.3 *Duration:* The duration of this course is one academic year.

23.4 *Course Structure:* The course consists of two taught modules, worth 15 ECTS credits each, and one individual project module worth 15 ECTS credits. The taught modules are:

1. Construction materials, technologies and project management;
2. The built heritage, surveying, damage and repair;

The first module focuses on material science and the management of conservation projects while the second module includes an overview of the built heritage and its research,

documentation, legislation, surveying, recording, damage and repair.

Lectures are normally held on Friday evenings and Saturday mornings each week throughout the two semesters (September to April)

**23.5 Assessment:** The award of a Postgraduate Diploma in Applied Building Repair and Conservation carrying 45 ECTS credits is based on a combination of the results of an examination paper in each of the two taught modules and a research dissertation. The annual examinations are held in April/May. The pass mark for all elements is 40%. In the calculation of the overall mark for the course, each assessment is weighted in accordance with the module credit weighting. To qualify for the award of the Postgraduate Diploma, students must pass each module and the dissertation amounting to 45 credits and achieve an overall mark of at least 40%. There is no system of compensation. A student who fails a module or modules may re-sit the relevant module(s) during the supplemental examination session. Failed coursework/project work must be re-submitted by the Friday before the supplemental examinations are held.

A Distinction is awarded to those who obtain an overall average mark of 70% or more across the three modules. A distinction cannot be awarded if a candidate has failed any credit during the course.

**23.6 Course Director:** Professor Sara Pavia

#### **24. 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 5 above.

#### **25 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 6 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 7 above.

#### **27. Computer Science (Mobile and Ubiquitous 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 8 above.

#### **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 9 above.

#### **29. Computers for Engineers (P.Grad.Dip.)**

*There is no intake in 2012/2013*

**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. The Postgraduate Diploma carries 45 ECTS credits.

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. The overall pass mark is 40%. The overall mark for the course is the credit-weighted average of the mark awarded for each module. To qualify for the award of the Postgraduate Diploma students must pass all elements of the course amounting to 45 credits and achieve an overall average mark of at least 40%.

### **30. Computing (Conversion) with Interdisciplinary Outlook (P.Grad.Dip.)**

30.1 *Introduction:* The Postgraduate Diploma in Computing (Conversion) with Interdisciplinary Outlook (CCIO) offers postgraduate education drawing upon existing modules offered in the College, tailored to the educational goals of the student, with the guidance of a syllabus adviser. A student entering the course will have a prior third-level qualifications and will be seeking to participate in the modules that comprise existing postgraduate and undergraduate offerings, in some cases replicating an existing course in all but name and pace, and in other cases having formulated a set of learning objectives with the director of studies on application and formalized following acceptance.

Students registered for the CCIO postgraduate diploma are not eligible to transfer to other named courses, nor may students on other courses transfer into the CCIO course. The CCIO course (like its companion advanced course; see the calendar entry which follows this one) is provided in unique circumstances through the Higher Education Authority Labour Market Activation scheme.

30.2 *Aim:* The course enables students with prior third level qualifications, under the guidance of a syllabus adviser, to construct a learning agreement that proposes a selection of modules that combine to significantly advance the student's skills within-discipline and broaden their career options through enhanced foundations in partner disciplines. A participating student will be able to take advantage of this provision to build out of existing modules a postgraduate course that is not otherwise offered as a named qualification.

30.3 *Admission Requirements:* Students admitted to the course will normally have a good (II.1 or better) prior third level degree with a significant analytical dimension, and full-time working experience subsequent to that qualification. Where appropriate, interviews will take place. The intake quota is ten students.

If a student with progress towards a prior postgraduate qualification is admitted to the Postgraduate Diploma in Computing (Conversion) with Interdisciplinary Outlook, the credits earned during that prior period of postgraduate study will not transfer to the postgraduate diploma. Applicants must satisfy the conditions of the HEA support for the course.

30.4 *Duration:* The course may only be taken part time over two years. A one-year full-time equivalent course is not available. To be deemed active on the part-time register a student must be registered for 10 ECTS credits in modules representing additional progress (not repeated or substituted modules).

30.5 *Course Structure:* The Postgraduate Diploma involves 60 ECTS in module selections, at least 40 of which will normally be from the offerings of extant postgraduate courses. Of the remaining 20 ECTS, selections may come from postgraduate or undergraduate modules. Up to 15 ECTS may be allocated for undergraduate modules in the form that undergraduate students participate in them. Up to 20 ECTS may be allocated for undergraduate modules with adjusted learning outcomes and assessments: subject to agreement among the student, syllabus adviser and lecturer for an undergraduate module, revised learning outcomes may be constructed so that a student engaged in the diploma may partake in a module schedule

for undergraduate students, but with a form of participation and assessment appropriate to a postgraduate course component. Only one module, "Introduction to Computer Programming" is obligatory within the structure of each student's syllabus.

The selections will be negotiated with the student's academic syllabus adviser, and when agreement is reached, a complete formal learning agreement document will be co-signed by the student and adviser. Such an agreement may be later re-negotiated, but must be at least re-confirmed with counter signature at commencement of the second year of study. Subject to agreement among the student, syllabus adviser and lecturer for an undergraduate module, revised learning outcomes may be constructed so that a student engaged in the diploma may partake in module schedule for undergraduate students, but with a form of participation and assessment appropriate to a postgraduate course component. Students normally pursue modules worth 30 ECTS in each of the two years of study.

**30.6 Course Modules:** An "Introduction to Computer Programming" module is provided by the School of Computer Science and Statistics to support this course, and students on the Postgraduate Diploma in Computing (Conversion) with Interdisciplinary Outlook must pass the assessments for this module.

The other course modules are those on offer through the School of Computer Science and Statistics, the School of Linguistic, Speech and Communication Sciences, and those on offer to visiting students throughout Trinity College. Availability of modules is constrained by timetabling restrictions, student demand, and other factors.

**30.7 Assessment:** Assessment is determined by the learning outcomes of constituent modules. Alternative forms of assessment may be negotiated in advance for particular modules.

Students must achieve the requisite number of credits in the prescribed course duration. Thus, compensation possibilities that are available to students on courses that share the modules are not open to participants in the Postgraduate Diploma in Computing (Conversion) with Interdisciplinary Outlook.

**30.8 Course Director:** Professor Carl Vogel

### **31. Computing with Advanced Interdisciplinary Outlook (P.Grad.Dip.)**

**31.1 Introduction:** The Postgraduate Diploma in Computing with Advanced Interdisciplinary Outlook (CAIO) offers postgraduate education drawing upon existing modules offered in the College, tailored to the educational goals of the student, with the guidance of a syllabus adviser.

A student entering the course will have a prior qualification in a cognate discipline and will be seeking to participate in the modules that comprise existing postgraduate and undergraduate offerings, in some cases replicating an existing course in all but name and pace, and in other cases having formulated a set of learning objectives with the director of studies on application and formalized following acceptance.

Students registered for the CAIO postgraduate diploma are not eligible to transfer to other named courses, nor may students on other courses transfer into the CAIO course. The CAIO course (like its companion conversion course; see the calendar entry which precedes this one) is provided in unique circumstances through the Higher Education Authority Labour Market Activation scheme.

**31.2 Aim:** The course enables students qualified in a cognate discipline, under the guidance of a syllabus adviser, to construct a learning agreement that proposes a selection of modules that combine to significantly advance the student's skills within-discipline and broaden their career options through enhanced foundations in partner disciplines. A participating student will be able to take advantage of this provision to build out of existing modules a postgraduate course that is not otherwise offered as a named qualification.

**31.3 Admission Requirements:** Students admitted to the course will normally have a good (II.1 or better) prior third level degree with a significant analytical dimension, and full-time working experience subsequent to that qualification. In cases where it is deemed appropriate because of questions that emerge about the applicant's prior qualifications or the suitability of the course for the applicant, interviews will take place. The intake quota is fifteen students.

If a student with progress towards a prior postgraduate qualification is admitted to the Postgraduate Diploma in Computing with Advanced Interdisciplinary Outlook, the credits earned during that prior period of postgraduate study will not transfer to the postgraduate diploma. Applicants must satisfy the conditions of the HEA support for the course.

31.4 *Duration:* The course may only be taken part time over two years. A one-year full-time equivalent course is not available. To be deemed active on the part-time register a student must be registered for 10 ECTS credits in modules representing additional progress (not repeated or substituted modules).

31.5 *Course Structure:* The Postgraduate Diploma involves 60 ECTS in module selections, at least 40 of which will normally be from the offerings of extant postgraduate courses. Of the remaining 20 ECTS, selections may come from postgraduate or undergraduate modules. Up to 10 ECTS may be allocated for undergraduate modules in the form that undergraduate students participate in them. Up to 20 ECTS may be allocated for undergraduate modules with adjusted learning outcomes and assessments: subject to agreement among the student, syllabus adviser and lecturer for an undergraduate module, revised learning outcomes may be constructed so that a student engaged in the diploma may partake in a module schedule for undergraduate students, but with a form of participation and assessment appropriate to a postgraduate course component.

The selections will be negotiated with the student's academic syllabus adviser, and when agreement reached, a complete learning agreement will be co-signed by the student and adviser. Such an agreement may be later re-negotiated, but must be at least re-confirmed with counter signature at commencement of the second year of study. Students normally pursue modules worth 30 ECTS in each of the two years of study.

31.6 *Course Modules:* The course modules are those on offer through the School of Computer Science and Statistics, the School of Linguistic, Speech and Communication Sciences, and those on offer to visiting students throughout Trinity College. Availability of modules is constrained by timetabling restrictions, student demand, and other factors.

31.7 *Assessment:* Assessment is determined by the learning outcomes of constituent modules. Alternative forms of assessment may be negotiated in advance for particular modules. Students must achieve the requisite number of credits in the prescribed course duration. Thus, compensation possibilities that are available to students on courses that share the modules are not open to participants in the Postgraduate Diploma in Computing with Advanced Interdisciplinary Outlook.

31.8 *Course Director:* Dr Carl Vogel

## **32. Construction Law and Contract Administration (P.Grad.Dip.)**

32.1 *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.

32.2 *Admission Requirements:* The normal entry requirement for this course is an honors Bachelor degree in civil engineering or another suitable professional qualification, including a law qualification.

32.3 *Duration:* The duration of this course is one academic year.

32.4 *Course Structure:* The course consists of two taught modules, worth 15 ECTS credits each, and one coursework module carrying 15 ECTS credits and consisting of a number of individual projects. The taught modules are:

1. Law and Dispute Resolution,
2. Contracts in construction

The first module focuses on legal systems and litigation, the laws of tort, contract and evidence, and dispute resolution methods in construction, while the second module focuses on contracts in construction, procurement, claims, risk and insurance, sureties, statutory duties, and professional relationships.

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 two semesters (September to April) with some lectures scheduled for Friday afternoons.

In addition to attending lectures, students are required to participate in workshops and submit coursework, which comprise an important part of the course.

**32.5 Assessment:** Assessment is by examination and coursework. The annual examinations, consisting of one paper for each taught module, are held in April/May. Both papers and the coursework must be passed. The pass mark for all elements is 40%.

The overall mark for the course is the credit-weighted average of the mark awarded for each module. To qualify for the award of the Postgraduate Diploma students must pass all elements of the course amounting to 45 credits and achieve an overall average mark of at least 40%. A student who fails a module or modules may re-sit the relevant module(s) during the supplemental examination session. Failed coursework/project work must be re-submitted by the Friday before the supplemental examinations are held.

The Postgraduate Diploma with distinction may be awarded to students who achieve an overall average mark of 70% or above. A distinction cannot be awarded if a candidate has failed any credit during the course.

**32.6 Course Co-ordinator:** Professor Niamh Harty

### **33. Development Practice (Joint M.Sc./P.Grad.Dip.\*)**

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc.  
See Entry 3 above.

### **34. Engineering (Environmental / Structural & Geotechnical / Transport) (M.Sc./P.Grad.Dip.)**

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc.  
See Entry 11 above.

### **35. Environment and Development (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.

### **36. Environmental Engineering (P.Grad.Dip.)**

**36.1 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.

**36.2 Admission Requirements:** The normal entry requirement for this course is an honors Bachelor degree in engineering or cognate discipline.

**36.3 Duration:** The duration of this course is one academic year.

**36.4 Course Structure:** The course consists of two taught modules, worth 15 ECTS credits each, and one coursework module carrying 15 ECTS credits and consisting of a number of individual projects. The taught modules are:

1. Environmental concepts and regulation
2. Environmental engineering and design

The first module focuses on essential aspects of environmental science including the physics of air quality, acoustics, hydrology and hydrogeology, fire engineering and the principles of environmental impact assessment. The second module encompasses the

approaches to engineering and mitigation including the treatment and management of solid waste, contaminated land, water and wastewater, radiation, and renewable energies. Both modules include relevant aspects of environmental legislation and the course includes sessions on topical issues as appropriate.

Lectures are normally held on Friday evenings and Saturday mornings each week throughout the two semesters (September to April), with some field or site visits scheduled for Saturday mornings. In addition to attending lectures, students are required to prepare and submit individual original pieces of coursework relating to the subject matter of each of the modules, involving design calculations or analysis.

36.5 *Assessment:* Assessment is by examination and coursework. The annual examinations, consisting of one paper for each taught module, are held in April/May. Both papers and the coursework must be passed. The pass mark for all elements is 40%.

The overall mark for the course is the credit-weighted average of the mark awarded for each module. To qualify for the award of the Postgraduate Diploma students must pass all elements of the course amounting to 45 credits and achieve an overall average mark of at least 40%. A student who fails a module or modules may re-sit the relevant module(s) during the supplemental examination session. Failed coursework/project work must be re-submitted by the Friday before the supplemental examinations are held.

The Postgraduate Diploma with distinction may be awarded to students who achieve an overall average mark of 70% or above. A distinction cannot be awarded if a candidate has failed any credit during the course.

36.6 *Course Co-ordinator:* Professor Paul Johnston

### **37. 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 13 above.

### **38. Fire Safety Practice (Buildings and other Structures) (P.Grad.Dip.)**

38.1 *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.

38.2 *Admission Requirements:* The normal entry requirement for this course is an honors Bachelor degree in civil engineering or architecture or another suitable professional qualification.

38.3 *Duration:* The duration of this course is one academic year.

38.4 *Course Structure:* The course consists of two taught modules, worth 15 ECTS credits each, and one coursework module carrying 15 ECTS credits and consisting of two individual projects. The taught modules are:

1. Fire safety engineering;
2. Fire safety legislation and regulations;

The first module focuses on the fundamentals of fire science and fire engineering, fire safety engineering and fire protection systems, while the second module focuses on legal principles, fire safety and health legislation, insurances, Building Control Act 1990, Building Regulations, and Fire Services Acts, 1981 and 2003.

Lectures are normally held on Friday evenings and Saturday mornings each week throughout the two semesters (September to April), with some lectures scheduled for Friday afternoons. In addition to attending lectures, students are required to prepare and submit individual original pieces of coursework involving the design of fire safety systems and the development of a strategy for a project that assists negotiations with the fire authorities for acceptance.

38.5 *Assessment:* Assessment is by examination and coursework. The annual

examinations, consisting of one paper for each taught module, are held in April/May. Both papers and the coursework must be passed. The pass mark for all elements is 40%. The overall mark for the course is the credit-weighted average of the mark awarded for each module. To qualify for the award of the Postgraduate Diploma students must pass all elements of the course amounting to 45 credits and achieve an overall average mark of at least 40%. A student who fails a module or modules may re-sit the relevant module(s) during the supplemental examination session. Failed coursework/project work must be re-submitted by the Friday before the supplemental examinations are held.

The Postgraduate Diploma with distinction may be awarded to students who achieve an overall average mark of 70% or above. A distinction cannot be awarded if a candidate has failed any credit during the course.

38.6 *Course Co-ordinator:* Professor Trevor Orr

### **39. Health and Safety in Construction (P.Grad.Dip.)**

39.1 *Introduction:* This postgraduate course is designed to enable civil engineers and other construction professionals to become familiar with the latest developments in Health and Safety legislation and practice. In addition, the course will provide them with knowledge to perform the roles of Project Supervisor, Health and Safety Co-ordinator, Safety Advisor and Safety Officer. The issue of Health and Safety related competency in design and on construction sites is comprehensively dealt with in this programme.

39.2 *Admission Requirements:* An honors Bachelor degree in civil engineering or equivalent professional qualification.

39.3 *Duration:* The duration of this course is one academic year.

39.4 *Course Structure:* The course consists of two taught modules, worth 15 ECTS credits each, and one coursework module carrying 15 ECTS credits and consisting of a number of projects. The taught modules are:

1. Health and safety legislation and regulations in construction;
2. Health and safety systems in construction;

The first module focuses on the legislation and regulations relating to health and safety in construction, while the second module focuses on risk management, health and welfare issues in practice, health and safety management and training, and regulations and controls relating to physical and chemical agents.

Lectures are normally held on Friday evenings and Saturday mornings each week throughout the two semesters (September to April). In addition to attending lectures, students are required to prepare and submit individual and group original pieces of coursework involving risk assessment and safety and health planning.

39.5 *Assessment:* Assessment is by examination and coursework. The annual examinations, consisting of one paper for each taught module, are held in April/May. Both papers and the coursework must be passed. The pass mark for all elements is 40%.

The overall mark for the course is the credit-weighted average of the mark awarded for each module. To qualify for the award of the Postgraduate Diploma students must pass all elements of the course amounting to 45 credits and achieve an overall average mark of at least 40%. A student who fails a module or modules may re-sit the relevant module(s) during the supplemental examination session. Failed coursework/project work must be re-submitted by the Friday before the supplemental examinations are held.

The Postgraduate Diploma with distinction may be awarded to students who achieve an overall average mark of 70% or above. A distinction cannot be awarded if a candidate has failed any credit during the course.

39.6 *Course Co-ordinator:* Professor Niamh Harty

### **40. Health Informatics (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.

#### **41. 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 15 above.

#### **42. Highway and Geotechnical Engineering (P.Grad.Dip.)**

*There is no intake in 2012/2013*

42.1 *Introduction:* This postgraduate diploma course is designed to provide the specialised knowledge to enable a graduate engineer plan, locate, design, construct and manage roads.

42.2 *Admission Requirements:* The normal entry requirement for this course is an Honors Bachelor degree in civil engineering.

42.3 *Duration:* The duration of this course is one academic year.

42.4 *Course Structure:* The course consists of six taught modules, worth 5 ECTS credits each, and one project module worth 15 ECTS credits. The modules are:

1. Pavement materials and thickness design;
2. Cost estimation;
3. Geometric design;
4. Project management;
5. Geotechnical engineering;
6. Traffic operation and control.
7. Project.

Lectures are normally held on Friday evenings and Saturday mornings each week throughout the two semesters (September to April). The project should be on a topic related to the course and approved by the Course Director. In addition to attending lectures, students are required to prepare and submit individual and group original pieces of coursework involving risk assessment and safety and health planning.

42.5 *Assessment:* Assessment is by examination and coursework. The annual examinations, consisting of one paper for each module, are held in April/May. Each student must submit a report on their project. Both papers and the project report must be passed. The pass mark for all elements is 40%. The overall mark for the course is the credit-weighted average of the mark awarded for each module. To qualify for the award of the Postgraduate Diploma students must pass all elements of the course amounting to 45 credits and achieve an overall average mark of at least 40%. The Postgraduate Diploma with distinction may be awarded to students who achieve an overall average mark of 70% or above. A distinction cannot be awarded if a candidate has failed any credit during the course.

42.6 *Course Director:* Vacant

#### **43. Immunology (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.

#### **44. 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 17 above.

#### **45. 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 19 above.

#### **46. Music and Media Technologies (P.Grad.Dip./M.Phil.)**

See Entry 22 above. Students register on the Postgraduate Diploma in the first instance.

## **47. Physical Planning (P.Grad.Dip.)**

*There is no intake in 2012/13*

47.1 *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.

47.2 *Admission Requirements:* The normal entry requirement for this course is a degree in civil engineering or another suitable qualification.

47.3 *Duration:* The duration of this course is one academic year.

47.4 *Course Structure:* The course consists of six taught modules, worth 5 ECTS each, and one individual project worth 15 ECTS. The modules are:

1. Planning theory and control;
2. Planning practice;
3. Transportation and computer methods;
4. Law and economics;
5. Environment; waste; water; ground and minerals;
6. Sociology; psychology; politics and the media;
7. Project.

Lectures are normally held on Friday evenings and Saturday mornings each week throughout the three teaching terms (September to April). The project should on a topic related to planning approved by the Course Director.

47.5 *Assessment:* Assessment is by examination and dissertation. The examinations, consisting of two papers, are held in April/May. Each student must submit a report on their project. Both papers and the project report must be passed. The pass mark is 40%. Each examination paper and the project report constitute one-third of the overall assessment for the course.

47.6 *Course Co-ordinator:* Professor Trevor Orr

## **48. Project Management (P.Grad.Dip.)**

48.1 *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.

48.2 *Admission Requirements:* The normal entry requirement for this course is an honors Bachelor 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.

48.3 *Duration:* The duration of this course is one academic year.

48.4 *Course Structure:* The course consists of two taught modules, worth 15 ECTS credits each, and one coursework module carrying 15 credits and consisting of a research report and a project management software exercise.

The taught modules are:

1. Project management practice;
2. Project management systems

The first module focuses on project management principles and practice, contracts, tendering procedures, insurances, legal principles and legislation, while the second module focuses on project accounting, cost control, the computer and IT in project management, human resources management and health and safety.

Lectures are normally held on Friday evenings and Saturday mornings each week throughout the two semesters (September to April). The coursework involving use of project management software on the College computers is an integral part of the course that takes place on some Friday evenings.

**48.5 Assessment:** Assessment is by examination and coursework. The annual examinations, consisting of one paper for each taught module, are held in April/May. Both papers and the coursework must be passed. The pass mark for all elements is 40%. The overall mark for the course is the credit-weighted average of the mark awarded for each module. To qualify for the award of the Postgraduate Diploma students must pass all elements of the course amounting to 45 credits and achieve an overall average mark of at least 40%. A student who fails a module or modules may re-sit the relevant module(s) during the supplemental examination session. Failed coursework/project work must be re-submitted by the Friday before the supplemental examinations are held.

The Postgraduate Diploma with distinction may be awarded to students who achieve an overall average mark of 70% or above. A distinction cannot be awarded if a candidate has failed any credit during the course

**48.6 Course Co-ordinator:** Professor Trevor Orr

### **49. Specialised Technology (P.Grad.Dip.)**

**49.1** From time to time as opportunity arises, specialised courses in specific technological subjects will be made available (see Entry 4 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.

### **50. Statistics (P.Grad.Dip.)**

**50.1 Introduction:** This is a continuing professional development course for graduates of disciplines other than statistics. It aims to develop participant's skills in data collection and analysis.

**50.2 Admission Requirements:** Applications will be considered from graduates in any discipline who have some background in mathematics.

**50.3 Course Structure:** The course consists of a base module and a series of elective modules. To obtain the Postgraduate Diploma participants must pass the base module and two elective modules within two academic years. The list of modules currently available to students includes:

1. Base Module (15 ECTS)
2. Introduction to Regression (10 ECTS)
3. Design and Analysis of Experiments (10 ECTS)
4. Aspects of Survey Design (10 ECTS)
5. Time Series Analysis (10 ECTS)

Module 1 is core, and taken by all students. The other modules are options and students are required to choose two out of the three normally available in any one year. It should be noted that not all modules may be offered in a given academic year and may be replaced by alternatives.

**50.4 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 annual examination session. The pass mark in all modules is 50%. Modules are weighted according to their credit value.

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 the supplemental examination period.

To qualify for the award of the Postgraduate Diploma in Statistics students must pass all modules taken. A distinction may be awarded to students who, in addition, achieve an overall average mark of 70% or above.

50.5 *Course Director:* Professor Eamonn Mullins

## **51. Sustainable Energy (P.Grad.Dip.)**

51.1 *Introduction:* This is a one-year postgraduate course designed to provide civil engineers and other suitably qualified professionals with a good understanding of energy management and efficiency as well as sustainable energy generation. The course will further advanced knowledge in efficiency techniques, sustainable energy technologies and energy management systems and strategies. It will include theory and practice along with economics, current legal requirements and standards. The course will be of particular interest to those already in employment as part of ongoing professional training as well as leading to the widening of new job opportunities for its graduates.

51.2 *Admission Requirements:* A minimum Lower Second Class (2.2) award in an Honors Bachelor of Engineering or Science Degrees or another suitable degree. Alternatively, the applicant must hold a qualification or combination of qualifications deemed as being of equivalent standard to the above, when taken in conjunction with relevant work experience. The candidate will be interviewed to establish his/her suitability for the course.

51.3 *Duration and Delivery:*

Lectures will be held on Friday evenings and Saturday mornings each week throughout the two terms (September to April), with laboratories or site visits scheduled for Saturday mornings. In addition to attending lectures, students are required to prepare and submit individual original pieces of coursework relating to the subject matter of each of the modules.

51.4 *Course Structure/Content:*

The course will cover both energy conservation as well as the development of alternative sustainable sources of energy. The course consists of 3 taught modules each carrying 20 ECTS credits.

- Module 1: Energy Management and Efficiency;
- Module 2: Sustainable Energy Technologies;
- Module 3: Individual Project.

51.5 *Module Descriptions:*

In module 1 energy management and efficiency will be addressed sectorally in terms of energy in buildings; in transport and in industry. In module 2 sustainable energy technologies will concentrate on renewable energy generation technologies (wind, wave, tidal, biomass, biofuels, geothermal, hydro, solar, waste to energy) and low carbon technologies (nuclear energy, hydrogen, fuel cells). In module 3: each student will be expected to engage in a piece of original study to reveal some novel aspect of sustainable energy.

51.6 *Assessment and Progression:*

Assessment is by examination and coursework. Modules 1 and 2 are each assessed by a three-hour examination paper held in April/ May and coursework. Both papers and the coursework must be passed. The pass mark for all elements is 40%. The marks for the examination in Module 1 and Module 2 (excluding 33% continuous assessment i.e. the laboratory project and the site visit) will constitute 66% of the total assessment of each module. Examinations will take place during the annual examination session in Trinity Term, with supplemental examinations to take place in Michaelmas Term. Failed assessments may be resubmitted in June whereas failed project work may be resubmitted at the end of August. Module 3 is 100% continuous assessment. The overall mark for the course is the credit-weighted average of the mark awarded for each module. Students who have passed all three modules of the course and accumulated 60 ECTS credits will be awarded a Postgraduate Diploma in Sustainable Energy. Students who have achieved an overall average mark of at least 70% across all three modules passed will be awarded a Postgraduate Diploma in Sustainable Energy with Distinction. The Postgraduate Diploma with Distinction cannot be

awarded if a candidate has failed any module, assignment or examination during the period of study.

51.7 *Course Director:* Professor Laurence Gill  
*Course Co-ordinator:* Professor Sarah McCormack

**52. 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 21 above.

## 6 (c). Faculty of Health Sciences

### 1. Doctor in Medicine (M.D.)

1.1 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 normally, for at least one year prior to registration a full-time or part-time member of staff of the College, or a formally appointed Researcher of the College or have been engaged in clinical practice/training in one of the teaching hospitals with which the College has a formal association.

1.2 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).

1.3 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.

1.4 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.

1.5 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.

1.6 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.

### 2. Professional Doctorate in Dental Surgery (D.Ch.Dent.)

2.1 *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.

Students must produce a negative hepatitis B virus infection result (i.e. negative HBsAg or in the presence of a positive HBsAg, negative HBeAg and negative HBV-DNA where applicable) and a negative hepatitis C antibody test (and if positive a negative PCR test for hepatitis C RNA) carried out not more than six months prior to entry, before being permitted to register with the College. Overseas applicants are advised to undergo testing in their home country and to forward the result to the Dental School Office as soon as possible thereafter. The College reserves the right to retest prior to admission. Students admitted to these courses who are not already deemed to be immune to hepatitis B will be required to undergo a course of vaccination. Details of vaccination programmes may be obtained on request from the Dental School Office. If Irish law, or official guidance, changes between the date of publication of this documentation and the date of registration of new applicants to these courses, the School of Dental Science reserves the right to require that the criteria adopted in relation to the ability to practise clinically in Ireland be satisfied before registration is permitted. All costs associated with tests for infectious diseases and vaccination must be met by the student.

Students are required to undergo vetting by the Garda Síochána or other relevant police force. If, as a result of the outcome of these vetting procedures a student is deemed unsuitable to attend clinical or other professional placements he/she may be required to withdraw from his/her programme of study. Further details and procedures are available from the Admissions Office and from the Dental School office.

For applicants whose first language is not English and who have not been educated through the medium of English the requirements in Section 1.5 apply, except that the minimum acceptable IELTS score is 7.0.

2.2 *Duration:* The course of study will be three years, full time or five years, part-time.

2.3 Registered students must remain free of any life threatening infectious condition that could be transmitted to a patient or fellow health worker. Such conditions include HIV, hepatitis B, hepatitis C, pulmonary tuberculosis, chickenpox and measles. In the event of a student becoming aware of such a condition they should consult their medical advisor. In addition students must advise the Dental School and shall refrain from further patient contact until cleared medically.

2.4 *Assessment:* A student is required to attend a course of study and to pass written clinical and research assessments 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, 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 31<sup>st</sup> August of the final year of the course of study, a student must submit two bound 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 successful submission of the completed thesis and a clinical audit.

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.

2.4 *Director of Teaching and Learning (Postgraduate):* Professor Claire Healy

### **3. Master in Dental Science (M.Dent.Sc.)**

3.1 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 the College has a formal association.

If the research involves clinical contact with patients the following additional admission criteria apply:

3. Students must produce a negative hepatitis B virus infection result (i.e. negative HBsAg or in the presence of a positive HBsAg, negative HBeAg and negative HBV-DNA where applicable) and a negative hepatitis C antibody test (and if positive a negative PCR test for hepatitis C RNA) carried out not more than six months prior to entry, before being permitted to register with the College. Overseas applicants are advised to undergo testing in their home country and to forward the result to the Dental School Office as soon as possible thereafter. The College reserves the right to retest prior to admission. Students admitted to these courses who are not already deemed to be immune to hepatitis B will be required to undergo a course of vaccination. Details of vaccination programmes may be obtained on request from the Dental School Office. If Irish law, or official guidance, changes between the date of publication of this documentation and the date of registration of new applicants to these courses, the School of Dental Science reserves the right to require that the criteria adopted in relation to the ability to practise clinically in Ireland be satisfied before registration is permitted. All costs associated with tests for infectious diseases and vaccination must be met by the student.

4. Students are required to undergo vetting by the Garda Síochána or other relevant police force. If, as a result of the outcome of these vetting procedures a student is deemed unsuitable to attend clinical or other professional placements he/she may be required to withdraw from his/her programme of study. Further details and procedures are available from the Admissions Office and from the Dental School office.

3.2 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.

3.3 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.

3.4 Registered students carrying out research involving clinical contact with patients must remain free of any life threatening infectious condition that could be transmitted to a patient or fellow health worker. Such conditions include HIV, hepatitis B, hepatitis C, pulmonary tuberculosis, chickenpox and measles. In the event of a student becoming aware of such a condition they should consult their medical advisor. In addition, students must advise the Dental School and shall refrain from further patient contact until cleared medically.

3.5 The Director of Teaching and Learning (Postgraduate) of the Dental School on the advice of the appropriate Head of Division, will assign an advisor to each candidate.

3.6 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.

3.7 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 Director of Teaching and Learning (Postgraduate) of the Dental School, 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.

3.8 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.

3.9 *Director of Teaching and Learning (Postgraduate):* Dr Claire Healy

#### **4. Master in Obstetrics (M.A.O.)**

4.1 Candidates for the M.A.O. 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 normally, for at least one year prior to registration a full-time or part-time member of staff of the College, or a formally appointed Researcher of the College or have been engaged in clinical practice/training in one of the teaching hospitals with which the College has a formal association.

4.2 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.

4.3 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.

4.4 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.

4.5 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.

## **5. Master in Surgery (M.Ch.)**

5.1 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 normally, for at least one year prior to registration a full-time or part-time member of staff of the College, or a formally appointed Researcher of the College or have been engaged in clinical practice/training in one of the teaching hospitals with which the College has a formal association.

5.2 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.

5.3 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.

5.4 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.

5.5 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.

5.6 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 he/she 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.

5.7 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.

## **6. Masters in Medicine (P.Grad.Dip. – exit only)**

6.1 *Introduction:* The Masters in Medicine course is aimed at medical graduates in training who wish to develop their research skills, broaden their research interests, and develop advanced knowledge in selected areas of clinical and scientific practice. The course aims to equip students with the knowledge, skills and competence to work at an advanced level in clinical and scientific practice, and to develop and sustain evidence-based practice.

6.2 *Admission Requirements:* Candidates should be medically qualified (MB, BCh, BAO or equivalent from a recognised medical school), be registered with the Medical Council of Ireland (or equivalent overseas regulatory body) and should be at least 2 years post registration. In addition each candidate will be invited to attend for interview to assess his/her suitability for the course and to determine which optional strand the candidate will pursue in the second year of the course.

6.3 *Duration:* One year full-time / two years part-time.

6.4 *Course Structure:* Students are required to take a total of 12 taught modules (5 ECTS credits each) over two semesters (in the full-time course) and four semesters (in the part-time course) and to complete a dissertation (30 ECTS credits).

The taught modules consist of 6 mandatory (“core”) modules as follows:

- Professional and Ethical Practice of Medicine
- Research Skills I
- Research skills II
- Health Services Management
- Health Informatics
- Patient Safety for Clinical Specialists

Students will also take 6 optional modules from either of the following specialty areas:

Molecular and Translational Medicine (Strand A)

- A1. Cellular Biology and Cell Signalling Mechanisms
- A2. Introduction to Genetics and Development
- A3. Molecular Oncology
- A4. Molecular mechanism of Human Disease I
- A5. Molecular Mechanisms of Human Disease II
- A6. Laboratory skills for Clinical Specialists

Population Health and Health Implementation (Strand B)

- B1. Public Health for Clinical Specialists
- B2. Global Health for Clinical Specialists
- B3. Rehabilitation Medicine for Clinical Specialists
- B4. Teaching and Learning for Clinical Specialists
- B5. Pharmacoeconomics
- B6. Pharmacoepidemiology and Drug Safety

Students will also undertake a research and dissertation module (30 credits) and will be expected to submit a dissertation of about 10,000 words on an approved research project by 31<sup>st</sup> August in the second year (submission will be 31<sup>st</sup> August of the second year for the part-time course).

6.5 *Assessment procedure:* Each module will be assessed by way of completion of written personal assignments after the module, within an agreed timeframe. Some of the modules may also be evaluated by way of an examination during or after completion of the module. These will be awarded a mark which will be taken into account (together with all continuous assessment marks) in the overall final evaluation of the course. The final mark for the course will be the credit-weighted average of all taught modules and the dissertation.

6.6 *Pass/Fail process:* To qualify for the award of the M.Sc. students must pass outright or by compensation all modules taken, including the dissertation, and obtain 90 credits.

*Failure of a module:* Obtaining an average of 50% of the available marks derived from each assessment type employed in the module is required to pass each of the taught modules. In cases where students fail to achieve a minimum of 50% in a written assignment or examination within a module, a resubmission / retaking of the examination will be permitted within agreed timelines. The students will only be allowed one resubmission / repeat of the examination and the maximum mark to be awarded for the module is 50%. Students may compensate for one fail mark in one assessment type within a module provided they achieve a minimum of 45% in that assessment and an average of at least 55% in the other assessment type(s) within the same module.

*Compensation:* Students who fail a module from either the core or optional strands, but obtain 45% or more marks in that module may compensate from marks awarded for other modules in the same strand up to a total of 5%. Failure of a module on the second attempt, or failure of three or more of the taught modules in total, indicates failure of the whole course requiring exit from the course. Compensation is not possible for certain modules, including the dissertation; neither can the dissertation be used to compensate for any of the taught modules. The dissertation module must be passed in order for the student to be considered for an award of Masters degree.

6.7 *Progression:* All students register on the Masters programme. Students in the part-time course must pass all core modules in order to progress to the second year optional modules. Full-time students will undertake the core and optional modules in parallel. All students must pass all 12 taught modules in order to undertake the research project. Students who have successfully passed the 12 taught modules of the course and accumulated 60 credits but who do not wish to proceed to the dissertation stage, or those who have submitted but failed the dissertation, will be considered for a Postgraduate Diploma (exit award). Students who have achieved an average of at least 70% of the available marks in all taught modules passed will be eligible for consideration for the award of Postgraduate Diploma with Distinction. Postgraduate Diploma with Distinction cannot be awarded if a candidate has failed any module during the period of study.

A Masters dissertation will be submitted and examined in line with the *General Regulations for Taught Graduate Courses* stated in Part B (Section 3) of the *University of Dublin Calendar part 2 for Graduate Studies and Higher Degrees* for a given year. The award of a Masters with Distinction shall require the achievement of a distinction for the dissertation, and an overall average mark for the course of at least 70%. A distinction cannot be awarded if a candidate has failed any module during the period of study.

6.8 *Course Location:* Trinity Centres in St James' Hospital (SJH) and the Adelaide, Meath, National Children's Hospital, Tallaght (AMNCH) and the Biomedical Sciences building, Trinity College Dublin.

6.9 *Course Director:* Professor Martina Hennessy  
*Course Co-ordinator:* Professor Mary Teeling

## **M.Sc. (St.) Courses**

### **7. Advanced Radiotherapy Practice (M.Sc./P.Grad.Dip.)**

7.1 *Aims:* The aim of this course is to enable Radiation Therapists to build on their current skills set, through teaching and their own research, in order to work at an advanced level within the radiotherapy department and/or the radiotherapy treatment planning area.

7.2 *Admission Requirements:* Admission to each strand:  
Applications will be accepted from those who:

- Hold a primary degree in Radiation Therapy or Medical Physics
- Hold an equivalent qualification
- Have confirmed access to a treatment planning department. Candidates

cannot be accepted onto the programme unless they have access organised at the time of application.

- Otherwise satisfy the course admission committee that they have the ability to complete and benefit from the course.

7.3 *Location:* The course uses a blended learning approach. Some elements will be delivered using the College's Virtual Learning Environment (VLE). Lectures will be mainly based in the Trinity Centre for Health Sciences, St James's Hospital.7.4 *Course Structure:*

The course is delivered over one year full-time or two years part-time.

Strand content of Advanced Radiotherapy Practice

- Research Methodology and Statistics (10 ECTS) (shared with Radiation Therapy Treatment Planning)
- Imaging: Physical Properties, Clinical Application and Radiological Anatomy (10ECTS) (shared with Radiation Therapy Treatment Planning)
- Management (10 ECTS)
- Psychological and Social Issues in Cancer Care (10 ECTS)
- Pharmacology, Advanced Practice and Site Specialisation (10 ECTS)
- Evidence-based Radiation Therapy Practice (10 ECTS)
- Research Dissertation (30 ECTS) (shared with Radiation Therapy Treatment Planning)

Strand content of Radiation Therapy Treatment Planning

- Research Methodology and Statistics (10 ECTS) (shared with Advanced Radiotherapy Practice)
- Imaging: Physical Properties, Clinical Application and Radiological Anatomy (10ECTS) (shared with Advanced Radiotherapy Practice)
- 2D and 3D Conformal Treatment Planning (10 ECTS)
- Contouring for Radiation Therapy Treatment Planning (10 ECTS)
- IMRT Treatment Planning (10 ECTS)
- Treatment Planning for Specialist Techniques (10 ECTS)
- Research Dissertation (30 ECTS) (shared with Advanced Radiotherapy Practice)

7.5 *Assessment:* students must achieve 50% in each module, including the dissertation, of the course to fulfil criteria for the award of the M.Sc. in Advanced Radiotherapy Practice and Radiation Therapy Treatment Planning. Students will be required to complete a research dissertation of approximately 12,000 words. This research project will be carried out in the second year. Each student will be assigned a supervisor with whom they will meet at regular intervals. The student will be required to submit a research proposal and an ethics application prior to commencing the data collection. At the end of this module the student will present their research findings in a dissertation format and paper format. The dissertation will follow the following format: Literature review, Research Methodology, Results, Discussion. The student will also submit a report of the research in a paper format of no more than 3,500 words.

Students who have successfully passed the taught component of the course and accumulated 60 ECTS but who do not wish to proceed to the dissertation stage will be considered for a Postgraduate Diploma (exit award). Graduates with a Postgraduate Diploma may not subsequently register for the course to attempt to complete it for an award of the Masters degree. Students who have achieved an overall 70% in all the assignments without failing any of them and/or achieving less than 60% in any of the assignments will be eligible for consideration for the award of Postgraduate Diploma with Distinction.

7.6 *Course Co-ordinator:* Professor. Michelle Leech

## **8. Biological Psychiatry (M.Sc./P.Grad.Dip)**

8.1 *Introduction:* This multidisciplinary Masters course in Biological Psychiatry explores the relationship between basic principles, biological factors (e.g. genes, neurodevelopment, brain structure and function, cognition) and clinical features in mental health disorders, allowing students to translate scientific understanding into effective clinical practice. Neuropsychiatric disorders are common with one in four of the world's population suffering from various forms of mental, behavioural and neurological disorders. According to the *World*

*Health Organisation*, mental disorders account altogether for about 13.5% of the *global burden of disease*. This course is aimed primarily at graduates with a background in psychiatry (or related health care disciplines), psychology, biological or social sciences, who wish to develop their research skills and broaden their research interests. The course will aid in equipping participants with the skills to progress into a career in psychiatry and psychiatric research or to embark on a doctoral programme.

**8.2 Admission Requirements:** Applications are invited from individuals with a primary degree in medicine or other allied health discipline, e.g. psychology, 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. Candidates may be interviewed to establish their suitability for the course at the discretion of the Course Director.

**8.3 Duration:** two-year part-time.

**8.4 Course Structure:** Students are required to take a total of 6 modules over four semesters and complete a research dissertation of about 15,000 words on an approved theme in the second year. The modules will be awarded the following ECTS credits:

Module A: Statistics and Research Methodology (10 ECTS)  
Module B: Clinical Neuropsychology and Cognitive Genomics (10 ECTS)  
Module C: Neuroimaging and Biomarkers (10 ECTS)  
Module D: Molecular Neuroscience (10 ECTS)  
Module E: Neuropsychiatric Genetics (10 ECTS)  
Module F: Molecular Psychiatry (10 ECTS)  
Module G: Research Dissertation (30 ECTS)

The School of Medicine reserves the right to vary the above list and, in particular, the right to withdraw and replace modules. The M.Sc. is the equivalent of 90 ECTS, and the exit award of P.Grad.Dip. is the equivalent of 60 ECTS.

**8.5 Assessment procedure:** Assessments will be based on a combination of formative assessment for each module, based upon in-module coursework and summative end-of-module written examination. All course work will be double marked. In terms of weighting, all the taught modules contribute equally to the final award of the MSc namely 11% each. Accordingly, 66% of the final course mark will be allotted to assessments of Modules A-F and the remaining 34% will be allotted to the Dissertation and research project (Module G) to be developed and completed within the second year.

### **Pass/Fail**

A 50% pass mark is required for each of the formative assessments, and also for the dissertation.

a) Each module must be passed independently and all practice assessments must be passed without compensation.

b) Failure of an assessment: In cases where students fail to achieve 45% in a written assignment, a resubmission will be permitted with a deadline for resubmission of two weeks from the publication of the initial results. Only one resubmission will be allowed, and the maximum mark awarded for the resubmitted assignment is 50%.

c) Failure of a module: Obtaining 50% of the available marks in each of the three assessment types (i.e. in-course written work, in-course presentations, end of module written exam) is required to pass each of the taught modules. Students who fail a single teaching module in either their first or second year may compensate from marks (%) awarded for the other teaching modules in that year up to a total of 5%. If unable to compensate, supplemental exams (September sittings) will be available for those who fail one or two teaching modules in their first or second year. Students who fail a module on the second attempt or who fail three modules in their first or second year will fail the whole course and exit the course.

d) In the second year of the MSc course students will undertake a project, the design and planning for which will begin at the beginning of that year. A literature review and description of proposed research methods (5,000 words) will be submitted by the end of

Michaelmas Term in the second year. Depending upon the nature of the project, students will be based in a TCD lab or research department while completing their projects. Students will be given support from an assigned project supervisor from Trinity, drawn from the staff of the Department of Psychiatry (School of Medicine), Institute of Molecular Medicine or Trinity College Institute of Neuroscience. Types of projects available include genetic association, neuroimaging, neuropsychology and clinical/molecular biomarker studies on neuropsychiatric disorders. During the project time students will participate in regular feedback sessions with their project supervisor. Students will have an opportunity to present project protocols throughout their second year before beginning the research work. The project dissertation (10,000 – 15,000 words) will be submitted by the end of August of the second year in the style of the journal *Biological Psychiatry*. Each dissertation will be graded by two independent markers and may be moderated by the external examiner. A grade of 50% or more will be required to pass (no compensation is allowed).

#### 8.6 *Progression:*

1. All students register on the M.Sc. programme. Students must successfully pass all the requirements of the first year of the programme to progress to the second year.

2. The Court of Examiners will meet at the end of year 1 to moderate examination marks on the taught modules of the course and all the results obtained by the student in year 1 in order to return end-of-year results to the Student Records Office.

3. Students who have successfully passed the six taught modules of the course and accumulated 60 ECTS but who do not wish to proceed to the dissertation stage, or if they have submitted but then failed the dissertation, will be considered for a Postgraduate Diploma (exit award). Students who have achieved an average of at least 70% of the available marks in all taught modules passed will be eligible for consideration for the award of Postgraduate Diploma with Distinction. Postgraduate Diploma with Distinction cannot be awarded if a candidate has failed any module during the period of study.

4. A Masters dissertation will be submitted and examined in line with the *General Regulations for Taught Graduate Courses* stated in Part B (Section 3) of the *University of Dublin Calendar Part 2 for Graduate Studies and Higher Degrees* for a given year.

5. The award of a Masters with Distinction shall require the achievement of a distinction for the dissertation, and an average of at least 70% of the available marks in all theory modules. A distinction cannot be awarded if a candidate has failed any module during the period of study.

8.7 *Course Director:* Prof Declan McLoughlin

8.8 *Course Co-ordinator:* Dr Fionn Kelly, Clinical Lecturer.

### **9. Biomedical Sciences (Intercalated) (M.Sc./P.Grad.Dip.)**

9.1 *Introduction:* This intercalated Masters course 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:* One-year, full-time.

9.3 *Course Structure:* 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 M.Sc. in Molecular Medicine, (ii) the M.Sc. in Neuroscience, or (iii) the M.Sc. in Bioengineering. Students will conduct a three month research project under the supervision of a member of academic staff from the School of Medicine. Students will submit a dissertation based on their research project. A pass mark in all three required sections (Core Module, Specialisation Track and Dissertation) will result in the awarding of M.Sc. 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.

<i>Core Module:</i>	
• Research skills	15 ECTS
<i>Specialisation Track Modules (Bioengineering):</i>	
• Bioinstrumentation	10 ECTS
• Biomaterials	10 ECTS
• Biomechanics	10 ECTS
• Cell and Tissue Engineering	5 ECTS
• Introduction to Bioengineering Science	5 ECTS
• Rehabilitation Engineering	5 ECTS
<i>Specialisation Track Modules (Neuroscience):</i>	
<i>Select one of the following two:</i>	
• Form and Function of the Nervous System	5 ECTS
• Biochemical Basis of Neuropharmacology	5 ECTS
<i>And all of the following:</i>	
• Neuropharmacology	5 ECTS
• Drug Development	5 ECTS
• Neuroimmunology	5 ECTS
• Experimental Neuroscience	5 ECTS
• Scientific Literary Skills	5 ECTS
• Literature Review	5 ECTS
• Neural Engineering	5 ECTS
• Neuroimaging	5 ECTS
• Current Topics in Neuroscience	5 ECTS
• Statistical and Research Skills	5 ECTS
• Ethics and Bioinformatics	5 ECTS
• Research Project	30 ECTS
<i>Specialisation Track Modules (Molecular Medicine):</i>	
Modules to the total value of 45 ECTS should be chosen from the following:	
• Human Genetics	5 ECTS
• Frontiers in Molecular Medicine I	5 ECTS
• Frontiers in Molecular Medicine II	5 ECTS
• Genetics in Health and Disease	10 ECTS
• High Content Screening and Analysis	5 ECTS
• Infectious agents biological and clinical applications	5 ECTS
• Introduction to genetics and development	5 ECTS
• Introductory cell biology and cell signalling mechanisms	5 ECTS
• Molecular and cellular Immunology	5 ECTS
• Molecular mechanisms of human disease I	5 ECTS
• Molecular mechanisms of human disease II	5 ECTS
• Molecular medicine diagnostic and therapeutic potential	5 ECTS
• Molecular Oncology	5 ECTS
• Neurobiology	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 satisfactorily complete 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.

To qualify for the award of the M.Sc. in Biomedical Sciences, students must achieve an overall mark of at least 50% which will be the credit-weighted average of all modules including the research project/dissertation and must pass taught modules amounting to 60 credits as well as the research project/dissertation. No compensation between these two elements is available. Students who have successfully passed the taught modules of the course and accumulated 60 credits but who do not wish to proceed to the dissertation stage, or those who have submitted but failed the dissertation, will be considered for a Postgraduate Diploma (exit award). Students who have achieved an average of at least 70% of the available marks in all taught modules passed will be eligible for consideration for the award of Postgraduate Diploma with Distinction. Postgraduate Diploma with Distinction cannot be awarded if a candidate has failed any module during the period of study.

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 Centre 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:* Professor Aideen Long  
*Course Track Co-ordinators:*  
Core: Professor Aideen Long  
Molecular Medicine: Professor Aideen Long  
Bioengineering: Professor Ciaran Simms  
Neuroscience: Professor Thomas Connor

## 10. Cancer Care (M.Sc./P.Grad.Dip.)

10.1 *Introduction:* This course has been developed to meet the new demands and challenges within the health care system and specifically within cancer care. The course is firmly grounded in a body of knowledge and clinical expertise that aims to promote excellence in the area of cancer care practice. It is also designed to provide an academically robust education for the participants and the various modules offered develop and complement subjects undertaken at degree or 'equivalent' level.

10.2 *Admission Requirements:*

1. current registration as a nurse on the active register maintained by An Bord Altranais,
2. a minimum of two year's clinical experience in nursing with one year spent in a recognised Cancer Care setting,
3. for a period of 500 hours in year one of the course, be employed in the area of a recognised cancer care nursing setting,
4. normally hold an honors degree in nursing, or
5. otherwise satisfy the selection panel that they have the ability and/or the experience to complete and benefit from the course.

10.3 *Duration:* Two-years, part-time

10.4 *Course structure:* The course comprises both academic and clinical components. Students are required to attend College for one week in September and one week in January as well as day release. Subject to notice other study days may be necessary. Students are also required to undertake clinical placement in year one and work in a recognised oncology setting for 500 hours.

10.5 *Modules and European Credit Transfer System (ECTS)*

<i>Modules</i>	<i>ECTS</i>
Theory and Practice of Enquiry Methods for Health Care	10
Theoretical Foundations of Nursing and Oncology Nursing	10
Foundations in Cancer Care	10
Psychosocial Issues in Cancer Care	10
Oncology Care 1: control and management of treatment side-effects	10
Oncology Care 2: control and management of treatment side-effects	10
Dissertation	30

The M.Sc. is the equivalent of 90 ECTS and the P.Grad.Dip. is the equivalent of 60 ECTS.

10.6 *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 as detailed in the course handbook. Students may, following consultation with the course co-ordinator, 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 Cancer Care. To be awarded a Postgraduate Diploma, a student must successfully complete all first year modules and clinical practice requirements.

**10.7 Assessment and examinations:** A combination of assessment strategies is used to assess the learning outcomes for the course. In the second year a 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. In cases where students fail to achieve a pass grade in a written assignment, a resubmission will be permitted with a deadline for resubmission of four weeks from the publication of the initial results. Only one resubmission will be allowed, and the maximum mark awarded for the resubmitted assignment is 50%. If a student fails a module on the second attempt, this indicates failure of the whole course.

**10.8 Classification of Award:** The Postgraduate Diploma may be awarded at two levels (i) Postgraduate Diploma and (ii) Postgraduate Diploma with Distinction, which shall require an aggregate of at least 70% in all taught modules passed. The M.Sc. 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, and an aggregate of a distinction in all other modules. A distinction cannot be awarded if a candidate has failed any credit during the period of study.

**10.9 Re-entry to M.Sc.:** Students who are eligible for the award of Postgraduate Diploma may opt not to be awarded the P.Grad.Dip. and may enter second year of the masters course within four years of having become eligible for the award of P.Grad.Dip. Students who were awarded a TCD P.Grad.Dip. in Cancer Care within the previous four years may enter directly into year two of the course, with the permission of the course committee. Such students must undertake additional modules of up to 30 ECTS credits, in addition to the research dissertation, to accrue up to an additional 60 ECTS credits. For those students, the Masters will therefore be awarded on the basis of up to 120 ECTS. Students who previously exited with the Postgraduate Diploma as a consequence of failing the dissertation will not be permitted to re-enter to pursue the Masters.

**10.10 Course Co-ordinator:** Professor Brian Keogh  
*Nurse Tutor:* Ms. Antoinette Kirwan

## **11. Cardiology (M.Sc.)**

**11.1 Introduction:** The course is aimed at physicians who are undertaking specialist training in Cardiology. This course is run jointly between the Trinity College School of Medicine and the Department of Cardiology, St. James's Hospital, Dublin.

**11.2 Duration:** Two years, part-time.

**11.3 Course Structure:** The course is delivered as lectures, demonstrations, seminars, practical and workshops. All students are required to attend the core curriculum of lectures during the two years with examinations at the end of each year. Practical instruction in non-invasive and invasive techniques is supervised by nominated consultants and progress is assessed by continual assessment. A dissertation project is carried out over the two-year period, and it is evaluated by an external assessor.

*The core syllabus consists of the following modules:*

**1. Basic Sciences and Clinical Cardiology (25 ECTS)**

A detailed review of the basic sciences as applied to cardiology and cardiovascular disease. A comprehensive course on the presentation, diagnosis and management of cardiovascular disease in adults and children.

**2. Non-Invasive Cardiology (15 ECTS)**

This section covers the broad range of non-invasive cardiological techniques including nuclear cardiology.

**3. Principles of Diagnostic and Invasive Cardiology (5 ECTS)**

This section involves theoretical and practical instruction in invasive cardiology.

4. Advanced Diagnostic and Invasive Cardiology (5 ECTS)

This section involves advanced theoretical and practical instruction in invasive cardiology.

5. Pacing and Electrophysiology (10 ECTS)

This section involves theoretical and practical instruction in pacing and cardiac electrophysiology.

6. Dissertation (30 ECTS)

During the first year of the lecture programme, a research project will be chosen by each student in consultation with his/her course supervisor and the Course Director. The dissertation must establish that a significant piece of research has been performed and reported to an acceptable standard, i.e. suitable for publication in an established, peer-reviewed journal.

7. Practical Training

For overseas full-time students practical training is organised in six blocks, each of six months duration, running in conjunction with the lecture syllabus (years one and two) and the research project (year two). In the final period of training, the student will be familiarised with the details of the management of the department. Part-time students must cover these areas in their training.

The logbook of training is a very important part of student assessment and marking.

11.4 *Assessment:* Students must achieve a pass mark to graduate. Both components (Coursework and Dissertation) must be passed in order for the M.Sc. to be awarded. No compensation between these two elements is allowed. Internal and external examiners assess all components of the course.

11.5 *Location:* The lectures will be delivered in the Postgraduate Room, The Crest Directorate, Hospital 7, St. James's Hospital. In addition, the Anatomy lectures will be delivered in the Trinity Centre for Health Sciences, St. James's Hospital.

11.6 *Course Director:* Professor Caroline Daly

## **12. Cardiovascular Rehabilitation and Prevention (M.Sc./P.Grad.Dip.)**

12.1 *Introduction:* This course aims to provide health professionals with an understanding of cardiovascular rehabilitation and prevention, to prepare health professionals to provide an effective cardiac rehabilitation service, and to objectively evaluate their practice through research. It also aims to develop the health professionals' knowledge of current prevention strategies in the area of cardiovascular disease.

12.2 *Course structure:* The course will be either one year full-time or two years part-time. The modules are:

Cardiovascular and Respiratory Physiology (10 ECTS)

Exercise Prescription (10 ECTS)

Clinical Exercise Prescription (5 ECTS)

Research Methods and Statistics (10 ECTS)

Cardiology (10 ECTS)

Preventive Cardiology and Rehabilitation (10 ECTS)

Health Policy and Management (5 ECTS)

Research Dissertation (30 ECTS)

12.3 *Assessment:* Students must achieve 50% in each module, including the dissertation, of the course to fulfil criteria for the award of the M.Sc. in Cardiovascular Rehabilitation and Prevention. Students will be required to complete a research dissertation of approximately 12,000 words. This research project will be carried out in the second year for students doing the course part-time. Each student will be assigned to a supervisor who he/she will meet with at regular intervals. The student will be required to submit a research proposal and an ethics application prior to commencing the data collection. At the end of this module the student will present their research findings in a dissertation format and paper format. The dissertation will follow the following format: Literature review, Research Methodology, Results, Discussion. The student will also submit a report of the research in a paper format of no more than 3,500 words.

If exceptional circumstances have arisen during the year to make it impossible to undertake the research dissertation, a student registered for the Masters course may apply for a postgraduate diploma in Cardiovascular Rehabilitation and Prevention. Approval will depend on successful completion of the taught elements of the course and a recommendation for the award of the Postgraduate Diploma by the examiners.

12.4 *Location:* The course will be based in the Trinity Centre for Health Sciences in AMNCH and the Trinity Centre for Health Sciences St James's Hospital.

12.5 *Course Co-ordinator:* Professor John Gormley

### **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 two 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 five terms with revision in the sixth term. The course consists of six modules worth 90 ECTS:

Clinical Chemistry	10 ECTS
Clinical Chemistry and General Paediatric Biochemistry	15 ECTS
Endocrinology and Metabolism	10 ECTS
Endocrinology and Inborn Errors of Metabolism	15 ECTS
Quality Assurance Laboratory Management	10 ECTS
Research Project	30 ECTS

Each module contains a revision element. 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:* Continuous assessment will be based on ten written assignments, two each term, and a written exam at the end of year 1 (one paper). A final written examination consisting of two 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 31<sup>st</sup> August 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 the components, provided a minimum mark of 40% is obtained in the failed component. 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 Director:* Dr Gerard Boran  
*Course Co-ordinator:* Dr Margaret Sinnott

### **14. Clinical Health Sciences Education (M.Sc. / P.Grad.Dip.)**

14.1 *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. The M.Sc. is the equivalent of 110 ECTS and the P.Grad.Dip. is the equivalent of 60 ECTS.

14.2 *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 honours 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 tutors division of the register held by An Bord Altranais, nurses and midwives are required to hold a Masters degree. This course will run only if there are a minimum number of students.

14.3 *Duration:* M.Sc.: Two years, part-time. P.Grad.Dip. One year, part-time.

14.4 *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.

14.5 *Modules and European Credit Transfer System (ECTS):*

Modules	ECTS
Theory and Practice of Enquiry Methods for Healthcare	10
Theory and Practice of Clinical Health Sciences Education	20
Facilitating Learning in the Practice Environment	10
The Psychology and Sociology of Education	10
Curriculum Issues in CHSE	20
Dissertation module	30

Nurses and midwives who wish to be accepted onto the An Bord Altranais register of nurse tutors, who already hold a Masters degree (or equivalent), but who do not hold a Masters or Bachelors degree (or equivalent), in nursing or midwifery, will be required to undertake one further module: Advancing the Theoretical Foundations of Nursing/Midwifery.

14.6 *Assessment:* A combination of written and practice assessments are used. The pass mark is 50%. All practice assessments must be passed without compensation.

14.7 *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 course as detailed in the course handbook. . Students who choose not to progress to the second year of the Masters course and who have successfully completed 60 ECTS may opt to be awarded with a Postgraduate Diploma.

14.8 *Assessment and examinations:* A combination of assessment strategies is used to assess the learning outcomes for the course. In the second year a 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.

14.9 *Classification of Award:* The Postgraduate Diploma may be awarded at two levels (i) Postgraduate Diploma and (ii) Postgraduate Diploma with Distinction which shall require an aggregate of at least 70% in all taught modules passed. The M.Sc. may be awarded a mark of Distinction which shall require an aggregate of at least 70% in all taught modules passed. The award of a taught Masters with Distinction shall require the achievement of a distinction for the dissertation, and an aggregate of a distinction in all other modules. A distinction cannot be awarded if a candidate has failed any module during the period of study.

14.10 *Re-entry to M.Sc.:* Students who are eligible for the award of Postgraduate Diploma may opt not to be awarded the P.Grad.Dip. and may enter second year of the masters course within four years of having become eligible for the award of P.Grad.Dip.

14.11 *Course Co-ordinator:* Professor Brian Keogh

## 15. Cognitive Psychotherapy (M.Sc.)

15.1 *Location:* The Course which runs under the auspices of the School of Medicine and

Health Sciences, TCD, is based in the Medical Teaching Centre in St Patrick's University Hospital, with library facilities in both St Patrick's University Hospital, the John Stearne Medical Library in St James's Hospital and the TCD campus.

15.2 *Course Duration:* This is a biennial course which is designed as two-year part-time.

15.3 *Learning Objectives:* The course has following *learning objectives*:

In depth knowledge and understanding of the theoretical basis of Cognitive Psychotherapy

Application of disorder specific models of Cognitive Psychotherapy in a range of patients including complex, long term cases

Evaluation of the evidence base for Cognitive Psychotherapy

Knowledge and understanding of the principles of supervisory practice in Cognitive Psychotherapy

Knowledge and understanding of research principles and methodologies used to assess delivery and outcomes of cognitive psychotherapy

15.4 *Course Structure:* the M.Sc. course is worth 90 ECTS and is divided into five modules:

1. Clinical Placement Module (20 ECTS)
2. CBT for Complex Mental Health Problems (15 ECTS)
3. Self Practice / Self Reflection Skills in CBT (10 ECTS)
4. Research Skills – Critical Appraisal of CBT literature (15 ECTS)
5. Research Dissertation (30 ECTS)

This course offers 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 have established competence to assess and treat acute (Axis I) emotional disorders and have competence with the 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. They will also have demonstrated a capacity to reflect upon their own personal practice of cognitive psychotherapy. Students will have an understanding of research in cognitive psychotherapy and will complete a project of their own which shall be written up in a dissertation (circa 15,000 words).

15.5 *Assessment and Progression:* Students must attend at least 75% of lectures, tutorials and supervision sessions per semester to full-fill criteria for the award of the Master of Science degree. Students must complete a total of 250 supervised clinical hours with patients by the end of the course and will require a satisfactory end of placement assessment by their supervisor.

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. 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 of less than 50% on one written assignment if a score of at least 60% has been achieved in other written assignments. Throughout the course, clinical performance is evaluated using the CTS-R or other validated scales for this purpose. The trainee must obtain a pass score on all subscales in order to meet criterion for the award of the Master of Science degree. Pass scores mean that the student is carrying out competent and effective Cognitive psychotherapy. Failure to reach this standard will mean that a Master in Science Degree 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 Master of Science Degree with Distinction all submitted assignments must attract a mark of more than 70%.

## 16. Community Pharmacy (P.Grad.Dip./M.Sc.)

16.1 *Introduction:* These courses are intended to help community pharmacists to develop their clinical, managerial and research skills, meet duties imposed by the HSE contract, undertake the role of a supervising pharmacist or superintendent pharmacist with confidence, 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.

16.2 *Admission Requirements:* Candidates must be

1. registered (entitled to registration) as a pharmacist with the Pharmaceutical Society of Ireland
2. currently employed (full-time/part-time) in community pharmacy.

16.3 *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.

16.4 *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.

16.5 *European Credit Transfer System (ECTS):*

*The M.Sc. carries 90 ECTS credits:*

Clinical Pharmacy	= 20 ECTS
Social and Administrative Pharmacy	= 10 ECTS
Community Pharmacy Workshops	= 5 ECTS
Practice-Based Workbooks	= 25 ECTS
Research Module and Dissertation	= 30 ECTS
Total	= 90 ECTS

*The Postgraduate Diploma carries 60 ECTS credits:*

Clinical Pharmacy	= 20 ECTS
Social and Administrative Pharmacy	= 10 ECTS
Community Pharmacy Workshops	= 5 ECTS
Practice-Based Workbooks	= 25 ECTS
Total	= 60 ECTS

16.6 *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 one and year two. M.Sc. candidates must present their research both orally and as a written dissertation (18,000 - 20,000 words). The pass mark is 50%, and compensation between modules is not permitted. The final mark for the course is the credit-weighted average of the mark awarded in each module. To qualify for the award of the M.Sc. degree, students must pass each module, including the dissertation. The M.Sc. with distinction may be awarded to students who pass all modules, and achieve at least 70% in the overall mark for the course and in the dissertation. To qualify for the award of the Postgraduate Diploma, students must pass each module amounting to 60 credits. The Postgraduate Diploma with distinction may be awarded to students who pass modules amounting to 60 credits and who achieve an overall average mark of at least 70%.

16.7 *Course Co-ordinator:* Professor Sheila Ryder

## 17. Dementia (M.Sc./P.Grad.Dip.)

17.1 *Introduction:* This course has been developed to meet the new demands and challenges within the health care system and specifically within dementia care. The course

is firmly grounded in a body of knowledge and clinical expertise that aims to promote excellence in the area of dementia care practice. It is also designed to provide an academically robust education for the participants and the various modules offered develop and complement subjects undertaken at degree or 'equivalent' level.

17.2 *Admission Requirements:*

1. Current registration on the appropriate division of ABA live register (for nurses undertaking this course)
2. a minimum of one year's professional experience in supporting persons with dementia within the past two years;
3. for the duration of the course all applicants are required to be working in an area where dementia care is delivered;
4. normally hold an honors degree in a relevant discipline
- or
5. otherwise satisfy the selection panel that they have the ability to complete and benefit from the course.

17.3 *Duration:* Two-years, part-time or one-year full-time.

17.4 *Course structure:* All modules are obligatory unless otherwise indicated below. Students are required to attend the university for approximately 20 days over the course of the 1<sup>st</sup> year including one full week in September. Approximately 10 days attendance is required in the 2<sup>nd</sup> year. Students take six of the modules listed below and a dissertation.

17.5 *Modules and European Credit Transfer System (ECTS):*

Modules  
ECTS

- |   |    |
|---|----|
| 1. Theory and Practice of Enquiry Methods for Health Care                       | 10 |
| 2. Ethics and Law in Healthcare ( <i>students may choose module 3 instead</i> ) | 10 |
| 3. Clinical Practice Module ( <i>students may choose module 2 instead</i> )     | 10 |
| 4. Ways of Understanding Dementia and Dementia Care                             | 10 |
| 5. Critical Issues in Assessment and Care Planning                              | 10 |
| 6. Enhancing the Experience of Living with Dementia                             | 10 |
| 7. Palliative Care: Supporting Persons with Dementia                            | 10 |
| 8. Dissertation   | 30 |

The M.Sc. is the equivalent of 90 ECTS and the P.Grad.Dip. is the equivalent of 60 ECTS.

17.6 *Progression:* All students register on the M.Sc. course. To progress to the second year, part-time 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 Co-ordinator, opt not to progress to the second year. Full-time students may choose not to progress to the dissertation during year one. If a student chooses either option, the student will be eligible for consideration for the award of a Postgraduate Diploma in Dementia providing six modules of the course have been successfully passed and 60 ECTS have been accumulated.

17.7 *Assessment and Examinations:* A combination of assessment strategies is used to assess the learning outcomes for the course. In the second year a dissertation must be submitted. The pass mark for all assessments is 50%. Each module must be passed independently without compensation. In cases where students fail to achieve a pass grade in a written assignment, a re-submission will be permitted with a deadline for resubmission of four weeks from the publication of the initial results. Only one resubmission will be allowed, and the maximum mark awarded for the resubmitted assignment is 50%. If a student fails a module on the second attempt, this indicates failure of the whole course.

*Clinical component assessment:* Each student must be deemed to have achieved at least Level 3 'Competent' on the novice to expert scale at the end of year one of the course. The clinical competency document is graded 'Pass' or 'Fail' – students must be graded competent on all domains to receive a Pass to successfully complete their clinical component assessment.

17.8 *Classification of Award:* The Postgraduate Diploma may be awarded at two levels (i) Postgraduate Diploma and (ii) Postgraduate Diploma with Distinction, which shall require an

aggregate of at least 70% in all taught modules passed. The M.Sc. 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, and an aggregate of at least 70% in all other modules. A distinction cannot be awarded if a candidate has failed any module during the period of study.

17.9 *Re-entry to M.Sc.:* Students who are eligible for the award of Postgraduate Diploma may opt not to be awarded the P.Grad.Dip. and may enter second year of the masters course within four years of having become eligible for the award of P.Grad.Dip. Students who were awarded a TCD P.Grad.Dip. in Dementia within the previous four years may enter directly into year two of the course, with the permission of the course committee. Such students must undertake additional modules of up to 30 ECTS credits, in addition to the research dissertation, to accrue up to an additional 60 ECTS credits. For those students, the Masters will therefore be awarded on the basis of up to 120 ECTS.

Students who previously exited with the Postgraduate Diploma as a consequence of failing the research dissertation will not be permitted to re-enter to pursue the Masters.

17.10 *Course Co-ordinator:* Professor Elizabeth Fahey-McCarthy

## 18. Exercise Physiology (M.Sc./P.Grad.Dip.)

18.1 *Introduction:* This course aims to provide training for professional development of physical educators and health care workers who employ exercise therapy. In addition, this course would be ideal for those interested in gaining experience in assessment of exercise performance, and exercise applications in training and research. All graduates will develop an advanced understanding of how the body responds to acute and chronic exercise, in both physiological and pathological conditions, and acquire practical experience in the use of modern technologies for monitoring and assessing exercise performance.

18.2 *Admission Requirements:* To be eligible for admission, applicants are expected to hold a tertiary qualification, normally with some grounding in human biology. Typical candidates who achieve well on the course are employed in the field of physical education, as health professionals involved with patient management, or who have a significant personal involvement or interest in elite level exercise. Candidates with insufficient biological background may be required to undertake a lecture unit in basic physiological principles during the year before entry.

18.3 *Duration:* The M.Sc. in Exercise Physiology is a two-year part-time programme. Year one consists of individual modules which are usually taught on two days per week (Thursday and Friday) for the duration of the academic year (Sep-May). Year two comprises a research project to be completed over the duration of a calendar year (Sep-Aug).

18.4 *Course Structure:* Year one: Instruction will consist of approximately 300 contact hours devoted to taught modules comprising 60 ECTS as follows:

- Cardiovascular physiology (5 ECTS)
- Endocrine Regulation (5 ECTS)
- Exercise Training and Nutrition (10 ECTS)
- Fluids, Heat and Metabolic physiology (5 ECTS)
- Integrated Exercise Physiology (15 ECTS)
- Muscle and Nerve (5 ECTS)
- Research Skills (5 ECTS)
- Respiration (5 ECTS)
- Clinical Exercise Physiology (5 ECTS)

All modules will provide a focus on normal physiological function, pathological conditions and related aspects of exercise. Running themes throughout the course will encourage practical applications to human exercise, basics of data acquisition, recording and analysis and critical evaluation of published works. Normally lectures and workshops will take place in the mornings, with afternoons devoted to laboratory work.

*Year two:* The second year of the course will consist of a research project on some aspect of exercise physiology which will comprise 30 ECTS. 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.

18.5 *Assessment:* Year one: All taught modules are assessed progressively throughout the year through a variety of formal reports, essays, practical work and through final written examinations (two three-hour papers) held during the Annual examination period. Students must also attend a *viva voce* examination following the end of year written papers. Subject to the discretion of the course of examiners, academic progress into year two of the course requires that students:

- a) pass each module (pass mark 50%)
- b) achieve an overall combined grade of 60% or above for the year

Students who pass each module (pass mark 50%) but achieve an overall combined grade less than 60% for the year will be offered a Postgraduate Diploma in Exercise Physiology and be required to exit the programme.

*Year two:* Assessment of the research project will be by dissertation which would be expected to be submitted within one year of enrolment. All dissertations are externally moderated. Students must obtain a pass to be awarded the M.Sc. degree. If students fail their dissertation they will be awarded a Postgraduate Diploma in Exercise Physiology. Students can be awarded the M.Sc. with Distinction if they achieve an overall mark of Distinction (70% or above) on their course work in year one, together with a mark of Distinction (70% or above) on their dissertation in year two.

18.6 *Course Director:* Professor Mikel Egaña

## 19. Gerontological Nursing (M.Sc./P.Grad.Dip.)

19.1 *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 gerontological nursing practice.

19.2 *Admission Requirements:*

1. Current registration as a nurse on the active register with An Bord Altranais;
- and
2. A minimum of one year full-time or equivalent recent clinical nursing practice since first registration; and
  3. Normally, hold an honours degree in Nursing Studies or equivalent; or
  4. Otherwise satisfy the selection panel that they have the ability to complete and benefit from the course.

19.3 *Duration:* Two years, part-time.

19.4 *Course structure:* Year One - The course will commence with one full study week followed by one or two study days per week throughout the academic year. 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.

19.5 *Modules and European Credit Transfer System (ECTS):*

Modules	ECTS
Theory and Practice of Enquiry Methods for Health Care	10
Advancing the Theoretical Foundations of Gerontological Nursing	10
Contemporary Issues in Gerontological Nursing	10
Gerontological Nursing: Concepts and Practice	10
Advancing Gerontological Nursing Practice	10
Clinical Practicum	10
Dissertation	30

The M.Sc. is the equivalent of 90 ECTS and the P.Grad.Dip. is the equivalent of 60 ECTS.

19.6 *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 course as detailed in the course handbook. . 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.

19.7 *Assessment and examinations:* A combination of assessment strategies is used to assess the learning outcomes for the course. In the second year a 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. In cases where students fail to achieve a pass grade in a written assignment, a resubmission will be permitted with a deadline for resubmission of four weeks from the publication of the initial results. Only one resubmission will be allowed and the maximum mark awarded for the resubmitted assignment is 50%. If a student fails a module on the second attempt, this indicates failure of the whole course.

19.8 *Classification of Award:* The Postgraduate Diploma may be awarded at two levels (i) Postgraduate Diploma and (ii) Postgraduate Diploma with Distinction. The M.Sc. may be awarded a mark of Distinction which shall require an aggregate of at least 70% in all taught modules passed. The award of a taught Masters with Distinction shall require the achievement of a distinction for the dissertation, and an aggregate of a distinction in all other modules. A distinction cannot be awarded if a candidate has failed any module during the period of study.

19.9 *Re-entry to M.Sc.:* Students who are eligible for the award of Postgraduate Diploma may opt not to be awarded the P.Grad.Dip. and may enter second year of the masters course within four years of having become eligible for the award of P.Grad.Dip. Students who were awarded a TCD P.Grad.Dip. in Gerontological Nursing within the previous four years may enter directly into year two of the course, with the permission of the course committee. Such students must undertake additional modules of up to 30 ECTS credits, in addition to the dissertation, to accrue up to an additional 60 ECTS credits. For those students, the Masters will therefore be awarded on the basis of up to 120 ECTS.

Students who previously exited with the Postgraduate Diploma as a consequence of failing the dissertation will not be permitted to re-enter to pursue the Masters.

19.10 *Course Co-ordinator:* Professor Anna Ayton

## **20. Global Health (M.Sc.)**

20.1 *Introduction:* The M.Sc. in Global Health aims to provide graduates with a greater appreciation of the global interconnectedness of health problems and equips them with a range of analytical and methodological skills to address the challenges of global health. Designed for individuals from a wide range of disciplines and professions, the programme adopts a multidisciplinary approach that integrates health and social science perspectives to analyse, design, implement and evaluate health programmes within a global context.

The course augments traditional approaches to public and international health by bringing together perspectives and insights from a range of health and social sciences in understanding and resolving the challenges of global health. The course also lays emphasis on local experiences that resonate globally in the case of Ireland. The strongest emphasis within the course is on health in developing countries and the impact of globalization.

20.2 *Admission Requirements:* The course is intended for individuals 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. As global health is a multidisciplinary field, applicants can be graduates of any academic discipline. Applicants must have a demonstrated interest and/or experience in global health or health issues in developing countries.

20.3 *Duration:* The course is offered on a one-year, full-time basis or on a two-year, part-time basis.

20.4 *Course Structure:* Students must complete the equivalent of 90 ECTS to graduate: 60 ECTS for the taught component and 30 ECTS for the dissertation.

The taught component consists of compulsory modules designed to increase understanding of health determinants, health system organisation, health policy and financing, and various research methodologies and skills useful in the field of global health. In addition, students must take optional modules, which may reflect the diversity of their academic, research and career interests. Not all optional modules will be available every year.

Upon completion of the modules, students will undertake and complete a programme of research leading to the writing and submission of a dissertation. The dissertation may be written following research and/or internship placement with government departments, international agencies and civil society organisations in Ireland or elsewhere. Part-time students will take at least four compulsory modules and two optional modules amounting to not less than 30 credits in year one, and the balance in year two.

*Compulsory Modules (40 ECTS):*

- Basic Epidemiology (5 ECTS)
- Epidemiology in Humanitarian Emergencies (5 ECTS)
- Determinants of Health (5 ECTS)
- Critical Reading of Statistics for Global Health (5 ECTS)
- Health Economics and Financing (5 ECTS)
- Health Policy and Systems (5 ECTS)
- Key Skills in Global Health 1: Project Planning and Management (5 ECTS)
- Principles of Social Research (5 ECTS)

*Optional Modules (20 ECTS) (not all optional modules will be available every year):*

- Media and Advocacy for Global Health (5 ECTS)
- Environmental Health and Climate Change (5 ECTS)
- Culture, Health and Illness (5 ECTS)
- Dynamics of International Aid for Global Health and Development (5 ECTS)
- Frontiers of Knowledge in HIV and AIDS (5 ECTS)
- Reproductive, Maternal and Child Health (5 ECTS)
- Human Resources for Health (5 ECTS)
- Human Rights and Inclusive Global Health (5 ECTS)
- Nutrition and Global Health (5 ECTS)
- Social Epidemiology (5 ECTS)
- Systematic Reviews (5 ECTS)

*Research Dissertation (30 ECTS)*

20.5 *Assessment:* Assessment of the modules will be done by assignment. The pass mark for all elements is 50%. Students may be permitted to re-submit a failed assignment, in which case the maximum mark that can be awarded is 50%. Compensation between modules is not permitted. Assessment of the research project will be by submission of a dissertation of a maximum of 15,000 words. Part-time students must achieve a minimum mark of 50% in each module in the first year in order to proceed to the second year. To qualify for the award of the M.Sc. degree, students must pass taught modules amounting to 60 credits and achieve a pass in the research project/dissertation. In order to be awarded the M.Sc. with Distinction, students must achieve a distinction for the research dissertation and obtain an overall credit-weighted average mark for the course of 70% or above.

20.6 *Course Director:* Professor Fiona Larkan

## **21. Health Informatics (M.Sc./P.Grad.Dip.)**

See entry 14 in the Faculty of Engineering, Mathematics and Science for further details.

## **22. Health Services Management (M.Sc. /P.Grad.Dip.)**

22.1 *Introduction:* The MSc in Health Services Management course is designed to provide an understanding of management principles and their application to the complex environment of the health services. In addition to classes from several health and management disciplines within the College, the course also includes contributions from leading policymakers and

senior managers in the Irish health system, thus ensuring a practical focus and equipping participants with the skills and understanding needed to manage more effectively in a rapidly changing environment.

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 course imparts a theoretical framework of understanding whilst maintaining a practical focus. The course is continually updated to reflect developments occurring within our rapidly changing healthcare environment. A key feature within the course is the relatively small class size, which allows us to optimise learning for individual students.

**22.2 Admission Requirements:** This course will be beneficial to those who have responsibility for planning the organisation and delivery of health and social care services. Applications for admission will be considered from applicants with health service management experience. In addition, applicants should hold a good honors degree in a professional discipline or hold other qualifications deemed appropriate by the course committee. Short-listed applicants may be interviewed.

**22.3 Duration:** The course commences in September and extends over two years (i.e. students are expected to complete coursework related to their dissertation over the summer periods following each academic year). Course attendance comprises three-day blocks each month to facilitate work release.

Year One: September - June: Ten blocks of three days per month.

Year Two: September - June: Ten blocks of three days per month.

Each course attendance day consists of six hours of lecture sessions, plus occasional workshops.

**22.4 Programmes of study:** The course offers a comprehensive coverage of subjects relevant to health services management as outlined below.

**22.5 Course Structure:** The course comprises 90 ECTS credits in total: 30 credits for the coursework component in each academic year and 30 credits for the dissertation. The first year of the M.Sc. course comprises five modules: Understanding the Healthcare Environment (5 credits); Managing People in Healthcare Organisations (10 credits); Financial Management (5 credits); Health Economics (5 credits); and Information & Operations Management (5 credits). The first part of the Research Methods Module is also included in the first year.

in the second year of the M.Sc. course students take four modules: Health Policy (5 credits), Strategic Management (10 credits), Comparative Healthcare (5 credits), and the second part of Research Methods and Healthcare Ethics (10 credits).

The breakdown of the ECTS credits is as follows:

*Year One:*

Understanding the Healthcare Environment (5 credits), which comprises the following components: Population Health; Law; and Marketing;

Managing People in Healthcare Organisations (10 credits) which comprises the following components: Management and Organisational Behaviour; Human Resources Management; and Organisational Development.

Financial Management (5 credits)

Health Economics (5 credits)

Information & Operations Management (5 credits)

*Year Two:*

Health Policy (5 credits)

Strategic Management (10 credits)

Comparative Healthcare (5 credits)

Research Methods and Healthcare Ethics (10 credits)

**22.6 Assessment**

Students must pass all modules in the first year and obtain approval from the Course Coordinator for their dissertation proposal in order to proceed to the second year of the course. All modules are non-compensatable.

- To qualify for the award of the M.Sc. degree, students must, as a minimum,
- i) achieve an overall pass mark which is the credit-weighted average mark of all taught modules taken, and
  - ii) achieve a pass mark in all modules, and
  - iii) achieve a pass mark in the dissertation

Students who have passed taught modules in accordance with (i) and (ii) above, but who do not achieve a pass mark in the dissertation, will be deemed to have failed overall. Such students may be awarded the Postgraduate Diploma. Students who have achieved an overall average mark of at least 70% will be eligible for the award of Postgraduate Diploma with Distinction. A Postgraduate Diploma with Distinction cannot be awarded if a candidate has failed any module during the period of study.

In order to qualify for the award of the M.Sc. with Distinction, students must, as a minimum, achieve a final overall average mark for the course of at least 70% and achieve a mark of at least 70% in the dissertation. A Masters degree with Distinction cannot be awarded if a candidate has failed any credit during the period of study.

22.7 *Course Director:* Professor Eilish McAuliffe  
*Course Co-ordinator:* Professor Mandy Lee  
*Course Administrator:* Ms Stephanie Culson

### 23. Healthcare Infection Management (M.Sc.)

23.1 *Introduction:* The MSc in Healthcare Infection Management is primarily but not exclusively aimed at medical microbiologists, infection diseases physicians, antimicrobial pharmacists, biomedical scientists, infection control specialists and public health workers. The course provides specialist teaching in healthcare infection and control that is delivered by the Department of Clinical Microbiology, School of Medicine in conjunction with partner organisations including St James's and Tallaght Hospitals. The course also includes input from overseas experts in healthcare infection.

23.2 *Admission requirements:* Applications will normally be received from those who hold one of the following qualifications:

- A medical degree
- An honors degree in Biomedical Sciences, Nursing, or Pharmacy, or Microbiology
- An honors degree in another relevant science subject
- Applications may also be received from individuals with a minimum three years healthcare experience and relevant qualifications.

Applicants meeting these requirements may be required to attend for interview.

23.3 *Duration:* One year, full-time or two years, part-time. The lecture content will be delivered over a series of one-week blocks. Research projects may take place in Trinity College or, where appropriate, in the student's place of work.

23.4 *Course structure:* The core syllabus consists of the following modules:

1. Clinical Microbiology & Infectious Diseases (15 ECTS)
2. Epidemiology & Infection Control (15 ECTS)
3. Antimicrobial Therapy & Resistance (15 ECTS)
4. Multidisciplinary Management of Infection (15 ECTS)
5. Research Project/Dissertation (30 ECTS)

23.5 *Assessment:* Students must attend each of the modules of the course. Successful completion of assigned year 1 modules is required before proceeding to year 2 of the course. Student assessment will be based on a combination of assessment and coursework for each module. A 50% pass mark is required for each module and also for the dissertation. In the calculation of the overall average mark, modules, including the dissertation, are weighted according to their ECTS credit value. The dissertation will be assessed by the research supervisor, another member of staff and the external examiner.

To qualify for the award of the M.Sc. degree, students must pass taught modules amounting to 60 credits and achieve a pass in the research project/dissertation. All modules are designated non-compensatable.

In order to qualify for the award of Masters with Distinction, students must as a minimum, achieve a final overall average mark for the course of at least 70% and a mark of at least 70% in the dissertation or research element.

23.6 *Course Director:* Professor Thomas Rogers  
*Course Coordinator:* Professor Ronan O'Toole

## 24. Hospital Pharmacy (M.Sc.)

24.1 *Introduction:* The M.Sc. in Hospital Pharmacy provides students with the knowledge and skills necessary to undertake all aspects of hospital pharmacy including clinical pharmacy, dispensary and drug distribution, administration and management, aseptic compounding, pharmacoconomics and medicines information.

24.2 *Admission Requirements:* Eligible candidates must hold a first or second class (upper division) honors degree in pharmacy. Candidates must be registered (or eligible to be registered) with the Pharmaceutical Society of Ireland. Candidates must have a minimum of one year's experience working in a hospital pharmacy setting.

24.3 *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.

24.4 *Course Structure/Content:* The programme consists of formal lectures, tutorials and workshops. The M.Sc. programme is divided into 9 modules: 8 taught and 1 research module (including M.Sc. dissertation). All modules are compulsory.

24.5 *European Credit Transfer System (ECTS):*

The M.Sc. carries 90 ECTS credits:

Practice of Hospital Pharmacy	= 10 ECTS
Medical Therapeutics I	= 10 ECTS
Medical Therapeutics II	= 10 ECTS
Surgical Therapeutics	= 5 ECTS
Aseptics and Good Manufacturing Practice	= 5 ECTS
Medical Specialities – Part 1	= 5 ECTS
Medical Specialities – Part 2	= 10 ECTS
Health Services Management	= 5 ECTS
Research Module and Dissertation	= 30 ECTS
Total	= 90 ECTS

24.6 *Assessment:* Assessment of the course will include written examinations, written assignments, oral presentations, an Objective Structured Clinical Examination and a written dissertation (approximately 20,000 words in length). The pass mark for all elements is 50%, and compensation between modules is not permitted. The final mark for the course is the credit-weighted average of the mark awarded in each module. To qualify for the award of the M.Sc. degree, students must pass each module, including the dissertation. The M.Sc. with distinction may be awarded to students who pass all modules, and achieve at least 70% both in the overall mark for the course and in the dissertation. A viva-voce examination will be conducted by the External Examiner.

24.7 *Closing Date:* The intake to the course will be biennial and restricted in number with a commencement date in January (current intake start date January 2012). Applications for admission should be addressed to the Graduate Admissions Office, to arrive not later than 1st September in the year prior to the January commencement date of the proposed year of entry.

24.8 *Course Co-ordinator:* Ms Niamh McMahon

## 25. Medical Imaging (M.Sc./P.Grad.Dip.)

25.1 *Introduction:* This course is offered by the School of Clinical Medicine and is aimed at qualified radiographers. Students will follow a specific MSc programme consisting of 4 strands: Nuclear Medicine, Radiation Safety, Magnetic Resonance Imaging and Computed Tomography. The Nuclear Medicine, Radiation Safety and Computed Tomography strands will be offered in parallel on a bi-annual basis, the Magnetic Resonance Imaging programme will be offered on alternate years. In September 2012 the Nuclear Medicine, Radiation Safety and Computed Tomography strands will commence. In September 2012 the Magnetic Resonance Imaging strand will commence. The taught component of the course runs from September to May. At this stage, the student may opt to exit the programme with a Postgraduate Diploma in Medical Imaging. From May to the end of August, the student must carry out a substantial piece of research work and present this in the form of a dissertation to be eligible for consideration for the award of M.Sc. in Medical Imaging.

25.2 *Aim:* The main aim of the Masters programme is to train and qualify Radiographers in the practice of either: Nuclear Medicine, Radiation Safety, Magnetic Resonance Imaging or Computed Tomography. The practical clinical experience required in each strand of the MSc will be gained in the students own department. The Nuclear Medicine strand is designed to give a solid academic base in the understanding of the safe use and management of isotopes, and a high level of practical experience in Nuclear Medicine imaging techniques. The Radiation Safety strand aims to provide a solid academic background in the legislative framework regarding radiation protection and a high level of practical experience in quality management and quality assurance in the use of ionising radiation. The Magnetic Resonance Imaging strand is designed to give a solid academic basis in the understanding of MR imaging theory, and a high level of practical experience in MRI techniques and in the safe use of MR imaging and associated equipment. The Computed Tomography strand is designed to give a solid academic basis in the understanding of Computed Tomography theory, and a high level of practical experience in Computed Tomography techniques and in the safe use of Computed Tomography imaging and associated equipment.

25.3 *Admission Requirements:* Applications will be accepted from those who:

- Hold a primary degree in Radiography, or
- Hold an equivalent qualification,
- Have access to a clinical placement in a Radiology Department. Candidates

cannot be accepted onto the programme unless they have a clinical placement organized at the time of application,

- Otherwise satisfy the course admission committee that they have the ability to complete and benefit from the course.

25.4 *Duration:* The M.Sc. in Medical Imaging will run over 12 months on a full-time basis commencing September.

25.5 *Course Structure:* The M.Sc. in Medical Imaging will incorporate both taught and practical components, with the taught component forming a substantial part. It is a course requirement that the student must spend a minimum of 15 hours per week on clinical placement in either a Nuclear Medicine department, a Radiology Department, a Magnetic Resonance Imaging Department or a Computed Tomography department as appropriate for the strand on which the student has enrolled. The MSc course consists of taught modules (60 ECTS) with a research methods module (5 ECTS) and a substantial research dissertation (25 ECTS) worked on from May to the end of August.

The list of common core modules currently available to students of the Nuclear Medicine, Radiation Safety, Magnetic Resonance Imaging and Computed Tomography strands are:

1. Medico-Legal Aspects, Ethics and Health Services Management (5 ECTS)
2. Clinical Practice (10 ECTS)

Mandatory additional modules in the Nuclear Medicine strand are:

3. Physics and Instrumentation, and Computer Technology (10 ECTS)
4. Clinical Applications of Nuclear Medicine (15 ECTS)
5. Radiation Protection and Quality Control in Nuclear Medicine (5 ECTS)
6. Anatomy, Physiology and Pathology applied to Nuclear Medicine (5 ECTS)

7. Radiopharmacy (5 ECTS)
8. Hybrid Imaging (5 ECTS)

Mandatory additional modules in the Magnetic Resonance Imaging strand are:

9. Physics and Instrumentation of MR (15 ECTS)
10. Anatomy, Physiology and Pathology applied to MR (10 ECTS)
11. Safety in MR and Quality Control (5 ECTS)
12. MR Imaging Techniques and Protocols (15 ECTS)

Mandatory additional modules in the Radiation Safety strand are:

13. Radiation Protection Legislation (10 ECTS)
14. Practical Aspects of Radiation Protection (5 ECTS)
15. Physics and Instrumentation (5 ECTS)
16. Quality Management and Quality Control (15 ECTS)
17. Clinical Audit (5 ECTS)
18. Risk Management (5 ECTS)

Mandatory additional modules in the Computed Tomography strand are:

19. Physics and Instrumentation of CT (15 ECTS)
20. Anatomy, Physiology and Pathology applied to CT (10 ECTS)
21. CT Imaging Techniques and Protocols (15 ECTS)
22. Radiation Protection and Quality Control in CT (5 ECTS)

The research component (30 ECTS) is made up of the following modules:

23. Research Methods (5 ECTS)
24. Dissertation (25 ECTS)

25.6 *Assessment:* The taught modules are assessed primarily by written examination and clinical assessment. The clinical assessments include clinical portfolios, structured clinical evaluation (OSCE) examination, student presentations and on-site practical assessment. The written examination is conducted in early Trinity term at the end of April. All elements of the clinical assessment (portfolios, OSCE examination, oral presentation, poster presentation etc.) must be completed.

To be allowed to proceed to the dissertation component leading to the degree of Master in Medical Imaging (Nuclear Medicine/ Radiation Safety/Magnetic Resonance Imaging/Computed Tomography) candidates must: achieve an average mark of 65% on the taught component of the course. Additionally, the student must achieve the pass mark of 50% in the written examinations and 60% in the clinical assessment. Cross compensation is only allowed between written examinations up to a maximum of 5% in the Nuclear Medicine. In the Radiation Safety strand there is only one written examination in which the student must achieve 50% in each section. No cross compensation is allowed between sections in the single written examination.

Only candidates who satisfy the criteria outlined above<sup>1</sup> may proceed to the research component. MSc candidates will complete a research methods module and a substantial research project and submit a dissertation of approximately 20,000 words. To satisfactorily complete a dissertation, students must submit their dissertation by the prescribed date and must obtain a pass mark.

At the annual Court of Examiners, students who fail the taught component assessments may at the discretion of the Court of Examiners, submit a supplementary assessment by an appointed date held within six weeks of the Court of Examiners meeting. Supplementary results having been taken into account candidates who satisfy the criteria outlined above may proceed to the dissertation.

The examinations, coursework and dissertation are subject to external review.

- 25.7 *Course Director:* Ms Bernadette Moran  
*Course Co-ordinator:* Professor Suzanne Denna

## **26. Mental Health (M.Sc./P.Grad.Dip.)**

26.1 *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. The course also includes a Child, Adolescent and Family Mental Health Strand.

**26.2 Admission Requirements:**

1. be currently working in mental health/mental illness field, and in the case of the Child, Adolescent and Family Strand be working in child, adolescent and family mental health services; and
2. in the case of the Child, Adolescent and Family Strand, have Garda clearance for working with children and adolescents; and
3. normally hold an honors degree in a relevant discipline; or
4. otherwise satisfy the selection panel that they have the ability to complete and benefit from the course.

**26.3 Duration:** The course will be offered on a two-year, part-time or a one-year full-time basis. Students undertaking the Child, Adolescent and Family Strand will be on a two-year, part-time basis.

**26.4 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 successfully complete all theoretical and professional practice modules specific to their course.

**26.5 Modules and European Credit Transfer System (ECTS):**

Modules	ECTS
Theory and Practice of Enquiry Methods for Health Care	10
Ethics and Law in Health Care	10
Primary Mental Health Care	10
Forensic Mental Health	10
Theoretical and Evidence Based Practices in Child, Adolescent and Family Mental Health	10
Suicide and Suicidal Behaviour and Self-harm	10
Contemporary Mental Health and Social Policy	10
Child, Adolescent and Family Mental Health Interventions	10
Clinical Practicum – Child, Adolescent and Family Mental Health	15
Dissertation	30

The M.Sc. is the equivalent of 90 ECTS, the M.Sc. (Child, Adolescent and Family Mental Health Strand) is the equivalent of 95 ECTS, and the P.Grad.Dip. is the equivalent of 60 ECTS.

**26.6 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 course as detailed in the course handbook.

Students may, following consultation with the Course Co-ordinator, 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 Mental Health.

**26.7 Assessment and examinations:** A combination of assessment strategies is used to assess the learning outcomes for the course. In the second year a 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. In cases where students fail to achieve a pass grade in a written assignment, a resubmission will be permitted with a deadline for resubmission of four weeks from the publication of the initial results. Only one resubmission will be allowed, and the maximum mark awarded for the resubmitted assignment is 50%. If a student fails a module on the second attempt, this indicates failure of the whole course.

**26.8 Classification of Award:** The Postgraduate Diploma may be awarded at two levels (i) Postgraduate Diploma and (ii) Postgraduate Diploma with Distinction. The M.Sc. may be awarded a mark of Distinction which shall require an aggregate of at least 70% in all taught modules passed. The award of a taught Masters with Distinction shall require the achievement of a distinction for the dissertation, and an aggregate of a distinction in all other modules. A

distinction cannot be awarded if a candidate has failed any credit during the period of study.

26.9 *Re-entry to M.Sc.:* Students who are eligible for the award of Postgraduate Diploma may opt not to be awarded the P.Grad.Dip. and may enter second year of the masters course within four years of having become eligible for the award of P.Grad.Dip. Students who were awarded a TCD P.Grad.Dip. in Mental Health within the previous four years may enter directly into year two of the course, with the permission of the course committee. Such students must undertake additional modules of up to 30 ECTS credits, in addition to the dissertation, to accrue up to an additional 60 ECTS credits. For those students, the Masters will therefore be awarded on the basis of up to 120 ECTS.

Students who previously exited with the Postgraduate Diploma as a consequence of failing the dissertation will not be permitted to re-enter to pursue the Masters.

26.10 *Course Co-ordinators:* Professor Michael Brennan, Professor Caitriona NicPhilibin

## **27. Midwifery (M.Sc./P.Grad.Dip. in Professional Midwifery Studies)**

27.1 *Introduction:* This course is designed to provide a solid academic base to the understanding and development of midwifery care. Graduates of this course 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.

27.2 *Admission Requirements:*

1. Registration as a midwife with An Bord Altranais, or in the case of international applicants, be registered as a professional midwife who is entitled to practice as a qualified or registered midwife in their own country.

2. A minimum of one-year full-time recent clinical midwifery practice since registration as a midwife. And

3. Hold an honours 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.

27.3 *Duration:* Two-years, part-time or one-year, full-time.

27.4 *Course structure:* The course will commence with one full study week followed by one to two study days per week. Modules specific to particular strands on the course must be completed.

27.5 *Modules and European Credit Transfer System (ECTS):*

*M.Sc. Midwifery modules:*

	ECTS
Theory and Practice of Enquiry Methods for Health Care	10
Ethics and Law in Health Care	10
Advancing the Theoretical Foundations of Midwifery	10
Situating Midwifery and Maternity Care in Ireland Today	10
Women Centred Maternity Care in Ireland	10
Advancing Midwifery Practice	10
Dissertation	30

The M.Sc. is the equivalent of 90 ECTS, and the P.Grad.Dip. is the equivalent of 60 ECTS.

27.6 *Progression:* All students register on the M.Sc. course in the first instance. To progress to the second year students must successfully complete all the requirements of the first year course 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 course. If a student chooses such an option, the student will be eligible for the award of a Postgraduate Diploma in Professional Midwifery Studies.

27.7 *Assessments and examinations:* A combination of assessment strategies is used to assess the learning outcomes for the course. In the second year a 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. In cases where students fail to achieve a pass grade in a written assignment, a resubmission will be permitted with a deadline for resubmission of four weeks from the publication of the initial results. Only one resubmission will be allowed, and the maximum mark awarded for the resubmitted assignment is 50%. If a student fails a module on the second attempt, this indicates failure of the whole course.

27.8 *Classification of Award:* The Postgraduate Diploma may be awarded at two levels (i) Postgraduate Diploma and (ii) Postgraduate Diploma with Distinction which shall require an aggregate of at least 70% in all taught modules passed. The M.Sc. 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, and an aggregate of a distinction in all other modules. A distinction cannot be awarded if a candidate has failed any module during the period of study.

27.9 *Re-entry to M.Sc.:* Students who are eligible for the award of Postgraduate Diploma may opt not to be awarded the P.Grad.Dip. and may enter second year of the masters course within four years of having become eligible for the award of P.Grad.Dip. Students who were awarded a TCD P.Grad.Dip. in Professional Midwifery Studies within the previous four years may enter directly into year two of the course, with the permission of the course committee. Such students must undertake additional modules of up to 30 ECTS credits, in addition to the dissertation, to accrue up to an additional 60 ECTS credits. For those students, the Masters will therefore be awarded on the basis of up to 120 ECTS.

Students who previously exited with the Postgraduate Diploma as a consequence of failing the dissertation will not be permitted to re-enter to pursue the Masters.

27.10 *Course Co-ordinators:* Professor Brian Keogh

## **28. Molecular Medicine (M.Sc.)**

28.1 *Introduction:* Recent years have seen an enormous expansion in our knowledge of molecular and cellular biology leading to an ever improved understanding of the essential molecular mechanisms underlying the normal functioning of cells, tissues and organisms. Molecular Medicine is a field that exploits these advances to characterize how normal cellular processes either fail, or are subverted, in disease. Developments in this area are continuing at an explosive pace with the integration of new disciplines such as Genomics and the related “omics” areas of transcriptomics, proteomics and metabolomics. Allied with other developments such as the applications of nanotechnologies in medicine, these are expected to transform diagnostic and therapeutic modalities into the future. Molecular Medicine will thus be an integral aspect of clinical practice in the 21st century and this state-of-the-art programme aims to provide candidates with an understanding of the area and its implications for the practice of clinical medicine and research in the health and life sciences. It covers the latest theoretical and technological developments, and provides training in the practical aspects of molecular medicine, with the objective of ensuring the candidate is equipped with the skills necessary to conduct research and critically evaluate the scientific and medical literature.

28.2 *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 honours degree or its equivalent. The candidate may be interviewed to establish his/her suitability for the course at the discretion of the Course Co-ordinators.

28.3 *Course Structure:* The course is available in a one-year full-time and a two-year part-time format. It consists 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 includes modules on molecular signalling and therapeutics, molecular and population genetics, glycobiology, nanoscience, and high content cell analysis. There is a core, ‘Research Skills’

module which encompasses bioinformatics and ethical-legal aspects of the emerging discipline, 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.

*Core Modules:*

- Research skills (15 ECTS)
- Research project (30 ECTS)

*Modules to the total value of 45 ECTS should be chosen from the following:*

- Cell biology and cell signalling mechanisms (5 ECTS)
- Introduction to genetics and development (5 ECTS)
- Molecular Oncology (5 ECTS)
- Human Genetics (5 ECTS)
- Molecular and cellular Immunology (5 ECTS)
- Infectious Agents Biological and Clinical Applications (5 ECTS)
- Molecular Mechanisms of Human Disease I (5 ECTS)
- Molecular Mechanisms of Human Disease II (5 ECTS)
- Advanced Diagnostics and Therapeutics (5 ECTS)
- High Content Screening and Analysis (5 ECTS)
- NanoMedicine and Medicinal Chemistry (5 ECTS)

28.4 *Assessment:* Theoretical understanding of the course will be evaluated by written examination. Laboratory practicals will be included in assessing the candidate's proficiency. The research component will be assessed by dissertation. The grade scheme for modules is as follows: Distinction (D) = 70%+; Pass (P) = 50-69%; Fail 1 (F1) = 40-49%; Fail 2 (F2) = 0-39%. Both taught and research components must be passed in order for a candidate to pass the year. A Distinction requires an overall mark of 70%+ including 70%+ in the research project/dissertation. Compensation is only allowed for up to two taught modules where F1 grades have been achieved. More than two F1 grades and/or any F2 grades requires reassessment of all failed taught modules by supplemental exam. Ordinarily a maximum of 4 supplemental exams will be allowed. An external examiner with a record in the field of molecular medicine will be appointed to ensure the academic excellence of the course. Examinations and dissertations will be externally moderated. If a student does not pass the dissertation, but successfully passes the taught components, a Postgraduate Diploma will be awarded in which case the graduate cannot subsequently re-register for the course in order to complete the M.Sc. in Molecular Medicine.

28.5 *Course Director:* Professor Ross McManus

28.6 *Course Co-ordinators:* Professors Aideen Long, Ross McManus, Derek Morris, Yuri Volkov, Henry Windle

## **29. Molecular Pathology (M.Sc.)**

*The course is under review and not currently available to new entrants*

29.1 *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

29.2 *Admission Requirements:* Applicants must have a good honours 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.

**29.3 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 September. The course will operate on a student centred approach with tutorials and seminars in addition to a formal lecture/workshop programme. Students are required to take the following modules\*:

1. Protein conformational disorders (6 ECTS)
2. Professional scientific development 1 (6 ECTS)
3. Inflammation, genetics and oncogenic processes in pathology (12 ECTS)
4. Nutritional influences on pathological processes (6 ECTS)
5. Immunopathological processes (3 ECTS)
6. Advanced scientific methods (3 ECTS)
7. Specialist topic (9 ECTS)
8. Professional scientific development 2 (6 ECTS)
9. Virology (9 ECTS)
10. Project by research (30 ECTS)

**29.4 Assessment:** Students will present a portfolio of work throughout the course.

**29.5 Dissertation:** A dissertation or project is a mandatory component of the course and the project will be presented in a traditional dissertation format.

**29.6 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. One paper in the specialist option 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 examination, the portfolio and the project.

**29.7 Course Co-ordinators:** Professor Thomas R. Rogers (T.C.D.); Dr Celine Herra and Dr Steve Meaney (D.I.T.)

### **30. Neuroscience (M.Sc./P.Grad.Dip.)**

**30.1 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 biomedical, pharmaceutical or neuropsychological research, or to embark on a doctoral research programme.

**30.2 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, Medicine or Allied Health Sciences. Normally candidates should have achieved at least an upper second class honours degree or its equivalent.

**30.3 Duration:** One-year, full-time or two-years, part-time.

**30.4 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. Each student will conduct a laboratory-based research project of three months (full-time) or six months (part-time) duration which will be supervised by a member of academic staff.

The M.Sc. is the equivalent of 90 ECTS, and is comprised of the following modules:

Biochemical Basis of Neuropharmacology	5 ECTS
Current Topics in Neuroscience	5 ECTS
Drug Development	5 ECTS
Experimental Neuroscience	5 ECTS
Form and Function of the Nervous System	5 ECTS
Literature Review	5 ECTS
Neural Engineering	5 ECTS
Neuroimaging	5 ECTS
Neuroimmunology	5 ECTS
Neuropharmacology	5 ECTS
Scientific Literature Skills	5 ECTS
Statistical and Research Skills	5 ECTS
Research Project	30 ECTS

### 30.5 *Assessment:*

For full-time and part-time students, taught modules will be assessed by examination papers at the end of Michaelmas or Hilary Term, together with in-course assessments. Supplemental examinations will be required where less than 30% is achieved in the examination. No supplemental examinations will be allowed for in-course assessments. Compensation will be allowed between modules, provided that more than 30% has been obtained in the failed module(s) and sufficient marks exist in other modules for an overall mark of at least 50%. Marks for the research project/dissertation are final. No compensation will be permitted between the taught modules and the research project/dissertation. The research project will be assessed by dissertation (normally not more than 25,000 words). To qualify for the award of the M.Sc. in Neuroscience, students must pass taught modules amounting to 60 credits and achieve an average mark of at least 50% across the taught modules as well as in the research project/dissertation. The award of a Masters with Distinction shall require the achievement of a distinction (70% or above) for the project/dissertation, and an overall average mark for the course of at least 70%. A distinction cannot be awarded if a candidate has failed any module during the period of study.

If a student does not pass the project/dissertation, but successfully passes the taught components amounting to 60 credits, a Postgraduate Diploma will be awarded. Students who have achieved an overall average mark of at least 70% will be eligible for consideration for the award of Postgraduate Diploma with Distinction. A Postgraduate Diploma with Distinction cannot be awarded if a candidate has failed any module during the period of study.

30.6 *Course Director:* Professor Kumlesh Dev

## **31. Nursing (M.Sc./P.Grad.Dip. Professional Nursing Studies/ P.Grad.Dip. Specialist Nursing/P.Grad.Dip. Professional Nursing Studies (Child Health and Wellbeing))**

31.1 *Introduction:* This Masters course is designed to provide a solid academic base to the understanding and development of nursing care. Graduates of this course 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. The course consists of four strands: Nursing; Advanced Nurse Practitioner; Specialist Nursing and Child Health and Wellbeing.

### 31.2 *Admission Requirements:*

1. Registration as a nurse with An Bord Altranais or in the case of international applicants, be registered as a professional nurse who is entitled to practice as a qualified or registered nurse in their own country
2. An honors degree in nursing
3. For 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 and are also required to hold a post-basic qualification in emergency nursing. For the Specialist Nursing strand, students are required to have two years post-registration experience since first registration, have twelve months experience (within the past two years) in the specialty at the time of application.

4. Or otherwise satisfy the course committee that they have the ability to complete and benefit from the programme.

31.3 *Duration:* The course is offered

- a) on a two-year part-time and a one year full-time basis for the Nursing and Child Health and Wellbeing strands only.
- b) on a two-year part-time basis only for all other strands.

31.4 *Course structure:* The course commences with one full study week followed by one to two study days per week. It consists of core modules (10 ECTS each), optional modules (10 ECTS each) and a dissertation (30 ECTS). While students may choose which optional module they wish to take, all core modules are compulsory. In addition, modules specific to particular strands on the course must be completed.

The full time format requires students to complete all the modules including the dissertation within one year of registration while the part time format requires that students complete six taught modules in Year One and Dissertation in Year Two.

31.5 *Modules and European Credit Transfer System (ECTS)*

*Nursing Strand 90 ECTS*

Theory and Practice of Enquiry Methods for Health Care 10 ECTS

Ethics and Law in Health Care 10 ECTS

Advancing the Theoretical Foundations of Nursing 10 ECTS

Leadership and Quality Improvement in Healthcare 10 ECTS

Take 2 out of 3 electives:

Advancing the Professional Role 10 ECTS (*Elective*)

Facilitating Learning in the Practice Environment 10 ECTS (*Elective*)

Managing in Healthcare 10 ECTS (*Elective*)

Dissertation 30 ECTS

*Specialist Nursing Strand 90 ECTS*

Theory and Practice of Enquiry Methods for Health Care 10 ECTS

Take 1 elective from the choice of two core modules:

Advancing the Theoretical Foundations of Nursing 10 ECTS (*Elective*)

Leadership and Quality Improvement in Healthcare 10 ECTS (*Elective*)

Dissertation 30 ECTS

Four Mandatory specialist modules per speciality:

*Renal:*

Haemodialysis and Peritoneal Dialysis Nursing 10 ECTS

Nephrology Nursing 10 ECTS

Transplant, Allied Therapies and Co Morbidities Nursing 10 ECTS

Supervised Practice Placement (Renal) 10 ECTS

*Cardiovascular:*

Introduction to the Nursing Management of a Cardiovascular Patient 10 ECTS

Advanced Nursing Management of a Patient with Electro-physiological dysfunction 10 ECTS

Advanced Nursing Management of a Patient with Cardiovascular Dysfunction 10 ECTS

Supervised Practice Placement (Cardiovascular) 10 ECTS

*Intensive care:*

Nursing Care and Management of Critically ill Patient with Multi system Dysfunction 10 ECTS

Principles of Intensive Care Nursing 10 ECTS

Assessment of the Critically ill patient 10 ECTS

Supervised Practice Placement (ICU) 10 ECTS

*Perioperative care:*

Principles of Perioperative Nursing 10 ECTS

Nursing Management of the Perioperative Patient 10 ECTS

Perioperative Department Management 10 ECTS

Supervised Practice Placement (Perioperative) 10 ECTS

*Emergency nursing:*

Nursing Management of Medical Emergencies 10 ECTS

Nursing Management of Paediatric and Mental Health Emergencies 10 ECTS  
Management of Surgical Emergencies and Trauma Nursing 10 ECTS  
Supervised Practice Placement (ED) 10 ECTS

*Orthopaedics:*

Applied Science and Principles of Orthopaedic Nursing 10 ECTS  
Principles of Elective Orthopaedic Nursing 10 ECTS  
Principles of Trauma Orthopaedic Nursing 10 ECTS  
Supervised Practice Placement (Orthopaedic) 10 ECTS

*Haematology care:*

Nursing Care and Management of Haematological Conditions 10 ECTS  
Nursing Care and Management of the Patient Receiving a Haemopoietic Stem Cell Transplant 10 ECTS  
Nursing Care of the Patient with a Coagulation Disorder 10 ECTS  
Practice Placement Module 10 ECTS

*Advanced Nurse Practitioner (ANP) Strand 110 ECTS*

Theory and Practice of Enquiry Methods for Health Care 10 ECTS  
Advancing the Professional Role 10 ECTS  
Leadership and Quality Improvement in Healthcare 10 ECTS  
Introduction to the concepts of advanced practice 10 ECTS  
Prescriber Clinical module 10 ECTS  
Assessment and Clinical Decision-making plus specialist content 20 ECTS  
Anatomy and Physiology 10 ECTS  
Dissertation 30 ECTS

*Child Health and Wellbeing Strand (90 ECTS)*

Advancing the Theoretical Foundations of Nursing 10 ECTS  
Ethics and Law in Healthcare 10 ECTS  
Leadership and Quality Improvement in Healthcare 10 ECTS  
Theory and Practice of Research Methods for Health Care 10 ECTS  
Contemporary Issues in Child Health and Wellbeing 10 ECTS  
Child Health Provision in the Community 10 ECTS  
Dissertation 30 ECTS

The P.Grad.Dip. is the equivalent of 60 ECTS irrespective of the strand.

31.6 *Progression:* All students register on the M.Sc. course in the first instance. To progress to the second year of the part-time course students must successfully complete all the requirements of the first year as detailed in a particular strand handbook.

Students who chose not to progress to the second year of the Masters course and who have successfully completed 60 ECTS may opt to be awarded with a Postgraduate Diploma. Students who took the Specialist Nursing Strand and opt to take the Postgraduate Diploma will be awarded a Postgraduate Diploma in Specialist Nursing. Students who took the Child Health and Wellbeing Strand and opt to take the Postgraduate Diploma will be awarded a Postgraduate Diploma in Professional Nursing (Child Health and Wellbeing). All other students who opt to be awarded a Postgraduate Diploma will be awarded a Postgraduate Diploma in Professional Nursing Studies.

31.7 *Re-entry to M.Sc.:* Students may choose to defer taking their P.Grad.Dip. for up to four years and may return to complete the M.Sc. within that time.

Students who were awarded a TCD P.Grad.Dip. within the previous four years may enter directly into year two of the relevant strand of the course, with the permission of the course committee.

Such students must undertake additional modules of up to 30 ECTS credits, in addition to the dissertation, to accrue up to an additional 60 ECTS credits. For those students, the Masters will therefore be awarded on the basis of up to 120 ECTS.

Students who previously exited with the Postgraduate Diploma as a consequence of failing the dissertation will not be permitted to re-enter to pursue the Masters.

31.8 *Assessments and examinations:* A combination of assessment methods is used to assess the learning outcomes for the course. In the second year a 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.

### 31.9 *Classification of Award:*

- (i) The M.Sc. 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, and an aggregate of a distinction in all other modules.  
(ii) Postgraduate Diploma and (iii) Postgraduate Diploma with Distinction.

A distinction cannot be awarded if a candidate has failed any module during the period of study.

31.10 *Course Co-ordinator:* Professor Brian Keogh, Professor Frances Ryan

## **32. Occupational Therapy (M.Sc.)**

32.1 *Introduction:* This course is offered in the School of Medicine by the Discipline of Occupational Therapy.

32.2 *Aim:* This course is aimed at developing occupational therapist's critical thinking skills in the area of occupational therapy theory, evidence-based practice and research knowledge and skills. The overall purpose of the course is to develop students' professional knowledge and facilitate advancement of their professional practice.

32.3 *Admission requirements:* Candidates will require a good recognised degree (upper second class honours or above) in occupational therapy or a recognised qualification in occupational therapy (*i.e.* Diploma in Occupational Therapy). Applicants without an occupational therapy 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.

32.4 *Duration:* The course is offered on a one-year, full-time, or two-year, part-time, basis depending on student enrolment.

32.5 *Course Structure:* The M.Sc. is the equivalent of 90 ECTS and is comprised of five core modules (60 ECTS) and a dissertation (30 ECTS):

Advanced Occupational Therapy Theory 1	10 ECTS
Advanced Occupational Therapy Theory 2	10 ECTS
Occupational Science	10 ECTS
Evidence Based Practice	10 ECTS
Research Management and Pragmatics	10 ECTS
Qualitative Research Methods	5 ECTS
Quantitative Research Methods	5 ECTS
Dissertation	30 ECTS

32.6 *Examination and assessment:* Students will be assessed by assignments and project work set by the co-ordinators of the various modules within the course. In the event of failure of any one assignment the student must re-submit the assignment(s) in question in the manner and at the time determined by the Court of Examiners. A satisfactorily re-submitted assignment will be awarded a passing grade. Students who fail a re-submitted assignment will be excluded from any further participation in the course by the Dean of Graduate Studies who will act in consultation with the Course committee and on the advice of the Course Co-ordinator. Students will be required to complete a dissertation of approximately 20,000 words.

32.7 *Course Co-ordinator:* Professor Deirdre Connolly

## **33. Palliative Care (M.Sc./P.Grad.Dip.)**

33.1 *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.

### 33.2 *Admission Requirements:*

1. minimum of one year's experience in delivering a palliative care approach within practice within the last two 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 an honours 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 or equivalent; or
4. otherwise satisfy the selection panel that they have the ability and/or the experience to complete the course successfully.

33.3 *Duration:* Two-years, part-time.

33.4 *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.

### 33.5 *Modules and European Credit Transfer System (ECTS):*

Modules	ECTS
Theory and Practice of Enquiry Methods for Health Care	10
Ethics and Law in Health Care	10
Pain and Symptom Management: An Interdisciplinary Perspective	10
Psychosocial Issues in Palliative Care: An Interdisciplinary Perspective	10
Principles and Philosophy of Palliative Care	10
Health Services Management	10
Dissertation	30

The M.Sc. is the equivalent of 90 ECTS and the P.Grad.Dip. is the equivalent of 60 ECTS.

33.6 *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 of the course as detailed in the course handbook.

Students may, following consultation with the Course Co-ordinator, 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 first year modules.

33.7 *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. In cases where students fail to achieve a pass grade in a written assignment, a resubmission will be permitted with a deadline for resubmission of four weeks from the publication of the initial results. Only one resubmission will be allowed, and the maximum mark awarded for the resubmitted assignment is 50%. If a student fails a module on the second attempt, this indicates failure of the whole course.

33.8 *Classification of Award:* The Postgraduate Diploma may be awarded at two levels (i) Postgraduate Diploma and (ii) Postgraduate Diploma with Distinction which shall require an aggregate of at least 70% in all taught modules passed. The M.Sc. 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, and an aggregate of a distinction in all other modules. A distinction cannot be awarded if a candidate has failed any module during the period of study.

33.9 *Re-entry to M.Sc.:* Students who are eligible for the award of Postgraduate Diploma may opt not to be awarded the P.Grad.Dip. and may enter second year of the masters course within four years of having become eligible for the award of P.Grad.Dip. Students who were awarded a TCD P.Grad.Dip. in Palliative Care within the previous four years may enter directly into year two of the course, with the permission of the course committee. Such students must

undertake additional modules of up to 30 ECTS credits, in addition to the dissertation, to accrue up to an additional 60 ECTS credits. For those students, the Masters will therefore be awarded on the basis of up to 120 ECTS.

Students who previously exited with the Postgraduate Diploma as a consequence of failing the dissertation will not be permitted to re-enter to pursue the Masters.

33.10 *Course Co-ordinator:* Professor Kevin Connaire

### 34. Pharmaceutical Analysis (M.Sc./P.Grad.Dip.)

34.1 *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 course is to equip graduates with the appropriate analysis skills required by the Pharmaceutical and Veterinary Manufacturing Industries.

34.2 *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.

34.3 *Duration:* The course is available for full-time study over one year.

34.4 *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 *ten core modules*:

1.	Regulatory aspects of pharmaceutical analysis	10 ECTS
2.	Chromatographic and other separative methods of analysis	5 ECTS
3.	Spectroscopic methods for drug analysis	5 ECTS
4.	Pharmacopoeial methods of drug analysis	5 ECTS
5.	Analysis of low level drug analytes	5 ECTS
6.	Specialised pharmaceutical methods	5 ECTS
7.	Pharmacological and related methods	5 ECTS
8.	Analysis of biotech products	10 ECTS
9.	Physical methods of analysis used in formulation development, evaluation and release	5 ECTS
10.	Research methods in pharmaceutical analysis, analytical method, validation and statistics	5 ECTS

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 are contributions from specialist visiting lecturers. The research project may be conducted either in the School of Pharmacy or at the student's 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.

34.5 *European Credit Transfer System (ECTS):*

The M.Sc. carries 90 ECTS credits. 10 core modules	=	60 ECTS
Research Dissertation	=	30 ECTS
Total	=	90 ECTS

The Postgraduate Diploma carries 60 ECTS credits.

34.6 *Assessment:* Overall assessment of candidates is based on tutor marked assignments (TMAs) during the coursework and written examinations in May/June each year. The M.Sc. project report will typically be of 18,000-20,000 words and will be examined in September. The pass mark for all elements is 40%. Compensation will be permitted in taught modules up to a maximum of 10 credits provided that the student has achieved an overall average mark of at least 40%, and has achieved a minimum mark of 30% in the failed module(s). The final mark for the course is the credit-weighted average of the mark awarded in each module. Candidates must successfully complete the taught modules at the annual examinations, before proceeding to the M.Sc. project. Upon successful completion of the taught modules amounting to 60 credits, students may, following consultation with the Course Co-ordinator, 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.

Provision is available for a supplemental examination each year if required. A reasonable attempt is required in all aspects of the examination process.

To qualify for the award of the M.Sc. degree, students must, as a minimum, achieve an overall average mark of 40%, and achieve at least 40% in the dissertation and in individual taught modules amounting to at least 50 credits where the mark for any failed module is not less than 30%. The M.Sc. with distinction may be awarded to students who pass all modules, and who achieve a mark of at least 70% in the dissertation and in the overall average mark for the course. The Postgraduate Diploma with distinction may be awarded to students who pass modules amounting to 60 credits and who achieve an overall average mark of at least 70%. A distinction cannot be awarded if a candidate has failed any credit during the course.

34.7 *Course Director:* Professor John Gilmer

### **35. Pharmaceutical Manufacturing Technology (P.Grad.Dip./M.Sc.)**

35.1 *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").

**35.2 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 (four modules), Pharmaceutical Processing (nine modules), Pharmaceutical Biotechnology (one module) and Drug Action, Uses and Assessment (four modules). Participants must also undertake a number of manufacturing facility visits.

Eligible students who wish to progress to the M.Sc. must undertake an industrial 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.

**35.3 European Credit Transfer System (ECTS):**  
The Postgraduate Diploma carries 90 ECTS credits.

*Year 1 comprises of nine modules at 5 credits each as follows:*

- Pharmaceutical Chemistry
- Unit Processes
- Principles of Drug Action
- Pharmaceutical Analysis
- Principles of Preformulation
- Systematic Pharmacology
- Pharmaceutical Statistics
- Pharmaceutical Processing
- Regulatory Affairs

*Year 2 comprises of 9 modules at 5 credits each as follows:* Biopharmaceutics and Pharmacokinetics

- Sterile Products
- Pharmaceutical Biology and Pharmacognosy
- Medicinal Chemistry
- Project Management
- Chemotherapy and Drug Assessment
- Pharmaceutical Biotechnology
- Organisation and Design Packaging

The M.Sc. carries 120 ECTS credits:	
18 core modules at 5 ECTS	= 90 ECTS
Industrial Dissertation	= 30 ECTS
Total	= 120 ECTS

35.4 *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. Applicants are expected to be employed in the pharmaceutical industry or with a pharmaceutical regulatory authority at the time of their application or to have previously worked in the industry.

Applications should be made online, [www.tcd.ie/Graduate\\_Studies/](http://www.tcd.ie/Graduate_Studies/).

35.5 *Assessment:* Overall assessment of candidates is based on tutor marked assignments, manufacturing facility tour reports and written examinations. The pass mark for all elements is 40%, and compensation between modules is not permitted. In order to progress to the second year of the course students must pass all modules taken in the first year. The final mark for the course is the credit-weighted average of the mark awarded in each module taken. Candidates with an overall grade second class (first division) or higher in year one of the Postgraduate Diploma course, may choose to proceed to the M.Sc. degree. Alternatively students may complete the diploma course schedule

Coursework, annual examinations and the M.Sc. dissertation are subject to External Examiner review.

35.6 *Course Co-ordinator:* Ms Lorna Loughrey

### 36. Pharmaceutical Medicine (M.Sc.)

36.1 *Introduction:* The M.Sc. course is administered by the Department of Pharmacology and Therapeutics, School of Medicine. It has been developed to provide medical and science graduates with specialist knowledge and skills in the area of pharmaceutical medicine. Intake is on an annual basis. There is a separate entry for the Postgraduate Diploma in Pharmaceutical Medicine.

36.2 *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 two years' practical experience in their area of qualification/pharmaceutical industry.

36.3 *Course Structure:* The course involves completion of 12 taught modules (equivalent to 60 ECTS) and the additional undertaking of a research and dissertation module (equivalent to 30 ECTS). The taught modules are as follows:

- Principles of discovery of medicines and development planning (5 ECTS)
- Non-clinical testing, pharmaceutical and early clinical development (5 ECTS)
- Exploratory and confirmatory clinical development (5 ECTS)
- Clinical Trials (5 ECTS)
- Regulatory affairs, drug safety and pharmacovigilance (5 ECTS)
- Healthcare marketplace; economics of healthcare (5 ECTS)
- Drug safety: Pharmacoepidemiology, pharmacovigilance and risk management (5 ECTS)
- Biologicals and advanced therapies (5 ECTS)
- Special populations: clinical trial practice and regulation (5 ECTS)
- Medicines regulation (5 ECTS)
- Health Economics (5 ECTS)
- Project management in medicines development (5 ECTS)

The modules consist of formal teaching sessions and personal assignments and are run over 18 months on a part-time basis. Some of the modules are undertaken by way of distance learning. In the research module, students undertake a research project (including field work), and submit a dissertation by the end of the second year of the course.

36.4 *Course Assessment:* For the taught modules, students are assessed by way of

continuous assessment of personal assignments and written examinations. Students must pass all modules taken in the first year in order to be permitted to proceed to the second year of the course. Students who fail to pass taught modules may present for supplemental examination or re-submit required work as appropriate within the duration of the course.

To qualify for the award of the M.Sc., students must achieve an overall mark of at least 50% which will be the credit-weighted average of all modules including the research project/dissertation, and must pass outright or by compensation taught modules amounting to 60 credits and achieve a mark of at least 50% in the research project/dissertation. Students may compensate failed modules accounting for not more than 10 credits provided that they achieve an overall average of at least 50% across taught modules, pass taught modules amounting to at least 50 credits and get a mark of no less than 45% in the failed module(s).

The dissertation should be submitted and examined in line with the *General Regulations for Taught Graduate Courses* stated in Part B (Section 3) of the *University of Dublin Calendar Part 2 for Graduate Studies and Higher Degrees* for a given year. The award of a Masters with Distinction shall require the achievement of a distinction (70% or above) for the dissertation, and an overall average mark for the course of at least 70%. A distinction cannot be awarded if a candidate has failed any module during the period of study.

Students who have successfully passed the 12 taught modules of the course and accumulated 60 credits but who failed the dissertation will be considered for a postgraduate diploma (exit award).

36.5 *Location:* Trinity Centre for Health Sciences,  
St James's Hospital, Dublin 8.

36.6 *Course Director:* Professor Mary Teeling  
*Course Co-ordinator:* Professor MaryJo MacAvin

### **37. Pharmaceutical Technology (M.Sc./P.Grad.Dip.)**

*There is no intake to this course in 2012/13*

37.1 *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.

37.2 *Admission Requirements:* Applications will be accepted from graduates who:

1. Hold a good honours 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 register on the M.Sc. course in the first instance.

37.3 *Duration:* The course is run on a full time basis, over a period of one academic year.

37.4 *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.

37.5 *Syllabus for the Postgraduate Diploma:* Students will take seven to eight 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.

*Core Modules:* The core modules are:

1. Fundamentals of Pharmaceutical Formulation (10 ECTS)
2. Pharmaceutical Preformulation (10 ECTS)

3. Unit Processes and Formulation Engineering (10 ECTS)
  4. Formulation of Sterile Products (10 ECTS)
- Elective Modules:* The elective modules include:
1. Biopharmaceutics and Pharmacokinetics for Pharmaceutical Technology (10 ECTS)
  2. Molecular Pharmaceutics and Advanced Drug Delivery (5 ECTS)
  3. Pharmaceutical Technology – Biotechnological Aspects (5 ECTS)
  4. Regulatory Affairs (5 ECTS)
  5. Pharmaceutical and Medical Nanotechnology (5 ECTS)

### 37.6 *European Credit Transfer System (ECTS):*

The M.Sc. is the equivalent of 90 ECTS:

Four core modules	= 40 ECTS
Three to four elective modules	= 20 ECTS
Research Dissertation	= 30 ECTS
Total	= 90 ECTS

The Postgraduate Diploma is the equivalent of 60 ECTS.

37.7 *Assessment:* Postgraduate Diploma candidates will be assessed on the basis of written examinations held in April and/or May together with coursework 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.

37.8 *Location:* Teaching will take place in Trinity College. There will be a number of site visits to industrial plants.

37.9 *Course Co-ordinator:* Professor Lidia Tajber

## **38. Physical Sciences in Medicine (M.Sc./P.Grad.Dip.)**

38.1 *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.

38.2 *Duration:* One-year full-time or two-years part-time.

38.3 *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:*

- Basic Medical Sciences (5 ECTS)
- Imaging Physics and Technology 1 (5 ECTS)
- Introduction to Radiotherapy and Non-Ionising Imaging (5 ECTS)
- Introduction to Radiation Protection and Radiation Physics (5 ECTS)
- Scientific skills for the Medical Physicist / Clinical Engineer (10 ECTS)
- Medical Technology and Information Systems (5 ECTS)

*Specialisation Track Modules (Diagnostic Radiology):*

- Imaging Physics and Technology 2 (10 ECTS)

- Ionising and Non-Ionising Radiation Protection (5 ECTS)
  - Medical Informatics and Image Processing (5 ECTS)
  - Radiation Physics and Dosimetry (5 ECTS)
- Specialisation Track Modules (Radiation Therapy):*
- Dosimetry for Radiation Therapy (5 ECTS)
  - Radiobiology and Radiation Protection in Radiotherapy (5 ECTS)
  - Radiotherapy Equipment and Quality Assurance (5 ECTS)
  - Treatment Planning and Dose Calculations (5 ECTS)
- Specialisation Track Modules (Clinical Engineering):*
- Human Medical Device Interface (5 ECTS)
  - Medical Informatics and Equipment Management (5 ECTS)
  - Medical Technology 1: Critical Care (5 ECTS)
  - Medical Technology 2: Interventions, Therapeutics and Diagnostics (5 ECTS)
  - Principle and Practice of Medical Technology Design, Prototyping and Testing (5 ECTS)
- Project Work and Dissertation (30 ECTS)*

38.4 *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. An external examiner monitors the assessment process.

38.5 *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.

38.6 *Course Director:* Professor Gerard Boyle  
*Course Co-ordinator:* Professor Tim Foran

38.7 *Module Leads:*

Core Track:	Professor Neil O'Hare
Diagnostic Track:	Professor Geraldine O'Reilly
Radiotherapy Track:	Professor Brendan McClean
Clinical Engineering Track:	Mr Fran Hegarty

### **39. Psychoanalytic Psychotherapy (M.Sc./P.Grad.Dip.)**

39.1 *Introduction:* This is a two year course in psychoanalytic psychotherapy, conducted as a part of a four year training programme in psychoanalytic psychotherapy. The course provides students with a comprehensive account of psychoanalytic systems as they have developed from the work of Sigmund Freud to the current time. The course provides a comprehensive conceptual and critical understanding of the theoretical basis of psychoanalytic psychotherapy, as well as a thorough training in the application of psychoanalytic theory to psychoanalytic clinical practice.

39.2 *Aim:* The central aim of this course is to provide students with the theoretical basis for training in adult psychoanalytic psychotherapy and child and adolescent psychoanalytic psychotherapy. The course provides a thorough training in psychoanalytic theory from Freud through Klein, Bion, Winnicott, and the Independent Tradition, while strongly emphasising the aspect of clinical training with adults.

39.3 *Admission Requirements:* Applications are invited from candidates who are graduates of recognised University courses, with a 1st class or 2nd class honours primary degree from a recognised Institution.

39.4 *Duration:* The M.Sc. is two years in duration part-time.

39.5 *Assessment:* Academic assessment will be based on essays, in-class written assessments, and a dissertation of 12,000 - 15,000 words.

39.6 *Course Structure:* The course will be two years in duration and it will be a part-time course. As a part-time taught postgraduate course of two years' duration, the total will be 90 ECTS credits. Teaching will take place mostly during the two College terms in Year 1 and Year 2. Teaching will take place on Tuesday evenings and all day Wednesday during term. Some teaching also takes place on an irregular basis out of term in order to support the Infant Observation module and in relation to the ongoing clinical components of the programme. Students continue their personal therapy out of term as well as in term. The course taught modules are as follows: Module 1: Theoretical Frameworks I (10 ECTS); Module 2: Infant Observation I (10 ECTS); Module 3: Infant, Child & Adolescent Development (10 ECTS); Module 4: Clinical Concepts (5 ECTS); Module 5: Infant Observation II (10 ECTS); Module 6: Theoretical Framework II (10 ECTS); Module 7: Clinical Practice (5 ECTS); Module 8: Research (30 ECTS). Modules 1 to 4 are completed in the first year of the course, with modules 5 to 8 being completed in the second year of the course. Students who pass each of the taught modules and the dissertation are eligible for the award of M.Sc. in Psychoanalytic Psychotherapy. Students who pass each of the modules but do not complete the dissertation will be awarded the Postgraduate Diploma in Psychoanalytic Psychotherapy.

39.7 *Course Director:* Professor Michael Fitzgerald  
*Course Co-ordinator:* Professor John O' Connor

#### **40. Respiratory Physiotherapy (M.Sc./P.Grad.Dip.)**

40.1 *Introduction:* The aim of this course is to develop physiotherapists' knowledge and skills in the physiotherapy management of the patient with respiratory disorders and to objectively evaluate their practice through research.

40.2 *Admission:* Suitable candidates for the course will be Physiotherapists with a relevant undergraduate degree leading them to be eligible for membership of the Irish Society of Chartered Physiotherapists.

40.3 *Location:* The course will be mainly based in the Trinity Centre for Health Sciences, St James's Hospital and in the Clinical Physiotherapy Department in St James Hospital.

40.4 *Course Content:* The course will take place on a two year part-time basis and will include the following modules:

- Cardiovascular and Respiratory Physiology (10 ECTS)
- Exercise Prescription (10 ECTS)
- Clinical Exercise Prescription (5 ECTS)
- Research Methods and Statistics (10 ECTS)
- Physiotherapy in Respiratory Medicine (10 ECTS)
- Clinical Practice in Respiratory Physiotherapy (15 ECTS) and
- Research Dissertation (30 ECTS)

Students who wish to complete the diploma (60 ECTS) will do all modules except the Research Dissertation.

40.5 *Assessment:* Students must achieve 50% in each module of the course, including the dissertation, to fulfil criteria for the award of the M.Sc. in Respiratory Physiotherapy. Students will be required to complete a research dissertation of approximately 12,000 words. This research project will be carried out in the second year. Each student will be assigned a supervisor whom they will meet with at regular intervals. The student will be required to submit a research proposal and an ethics application prior to commencing the data collection. At the end of this module the student will present their research findings in a dissertation format and

paper format. The dissertation will follow the following format: Literature review, Research Methodology, Results, Discussion. The student will also submit a report of the research in a paper format of no more than 3,500 words. Students on the diploma must achieve 50% in all modules to fulfil the criteria for the award.

40.6 *Course Director:* Professor Juliette Hussey

#### 41. Sports and Exercise Medicine (M.Sc.)

41.1 *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.

41.2 *Admission Requirements:* Applicants should be well-qualified medical graduates, and chartered physiotherapists (minimum upper second class honours degree) with minimum one year's post qualification experience. Selection will be made by *curriculum vitae* in early May of year of entry.

41.3 *Duration:* The course is of one year's duration, full-time, five days a week during the three teaching terms of the year.

41.4 *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.

The M.Sc. is the equivalent of 90 ECTS, and is comprised of the following modules:

Basic and Clinical Anatomy	10 ECTS
Sports and Exercise Physiology	10 ECTS
Scientific Research, Design and Data handling	10 ECTS
Sports and Exercise Medicine	10 ECTS
Clinical examination, clinical skills and sports clinics	10 ECTS
Basic and Clinical Anatomy	10 ECTS
Research Project	30 ECTS

41.5 *Assessment:* In-course and official end of term examinations consist of:

- (a) Written examination – Multiple Choice Questions and Short Answer Questions
- (b) Practical examinations – competence in musculoskeletal examination techniques, clinical cases, athletic assessment.

All ECTS modules must be passed (>50%). No compensation 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.

41.6 *Honorary Course Director:* Professor Moira O'Brien

41.7 *Course Co-ordinators:* Professor Nicholas Mahony and Mr Bernard Donne

## 42. Translational Oncology (M.Sc. / P.Grad.Dip.)

42.1 *Introduction:* The M.Sc. in Translational Oncology will give both scientists and clinicians an in-depth understanding of the theoretical and practical aspects of the causes and treatment of cancer. This course explores the cellular, molecular and genetic basis of cancer and will cover both the scientific and clinical challenges pertinent to the management of tissue-specific cancers. All aspects of cancer treatment from diagnostic imaging, to standardised and 'individualised' molecular targeted therapies will also be explored. All students will undertake a three month research project in a designated oncology research laboratory, where they will receive training in cellular and molecular oncology.

42.2 *Admission requirements:* This M.Sc. in Translational Oncology is open to both scientific and clinical graduates. This course is offered as a one year full-time or two year part-time option. Scientific, dental or equivalent candidates must have a minimum of a 2.1 honors degree in any biologically-related discipline. Medical graduates must have a MB, BCh, BAO or equivalent from a recognised medical school. All applicants should provide two academic or clinical references confirming their eligibility and suitability for the course, before their application can be considered. Applications for admission to the course will be made through the online system normally not later than July 31<sup>st</sup>. Late applications will be considered provided places are available.

42.3 *Duration:* 1 year full-time, 2 years part-time.

42.4 *Course structure:* Students will be required to complete twelve taught modules (5 ECTS each) and a research project with dissertation which carries 30 ECTS credits. All core modules are compulsory as follows:

1. Cellular and molecular basis of cancer
2. Disease-specific cancers: Scientific and clinical perspectives
3. Tumour Immunology
4. Radiation, chemotherapy and molecular targeted therapies
5. Cancer epigenetics, gene regulation and stem cells
6. Molecular pathology and diagnostic imaging
7. Clinical statistics and medical ethics
8. Molecular oncology research skills
9. Research project and dissertation

Students will choose four of six optional modules (5 ECTS each)

10. Obesity, metabolism and physical activity
11. Drug development from discovery to commercialization
12. Cellular and genomic instability
13. Tumour microenvironment
14. Clinical pharmacology and therapeutic toxicity
15. Surgical oncology and health economics

42.5 *Assessment of modules (component weightings inclusive of assessment, where relevant)*

- a) Core modules 1-6 will be assessed by way of multiple choice questions and a single two-hour written examination at the end of the Michaelmas term.
- b) Core module 7 will be assessed in two parts. The first part will be assessed by a one-hour practical statistics examination. The second part of core module 7 will be a one-hour written examination.
- c) Core module 8 will be evaluated by written assignments and multiple-choice examinations for each of the seven practical sessions, in addition to a group poster presentation.
- d) In terms of module overall weighting, all the core taught modules contribute equally to the final award of the M.Sc. in Translational Oncology.
- e) The optional modules will be assessed by way of a two-hour written examination and written assignments from assigned tutorial work from assigned tutorial work.

42.6 *Assessment of dissertation (submission requirements, weighting and a pass level)*

The research and dissertation module (module 9) will account for 34% of the overall mark. This will include 25% for the research dissertation, 5% for a literature review and 4% for research project oral presentation. The dissertation will be based on a laboratory research project. The dissertation should not exceed 10,000 words (excluding appendices). The dissertation will be assessed by external review and the student may be required to attend for interview (viva voce) to discuss the dissertation. This literature review will be no more than 5,000 words and will be assigned by the laboratory supervisor. In the last week of their research placement, all students will be required to present the findings of their research project to the course director and module co-ordinators. Students will be graded on critical thinking, research design, data presentation and statistical analysis.

#### 42.7 *Pass/Fail*

a) Each module, including the dissertation, must be passed independently at a minimum of 50%. The final mark for each module will be the average mark derived from each of the assessment types (i.e. personal assignments and examinations).

##### b) *Failure of a written personal assignment / examination.*

(i) In cases where students fail to achieve a minimum of 50% in a written assignment, a resubmission will be permitted with a deadline for resubmission of 3 weeks from the publication of the initial results. Only one resubmission will be allowed, and the maximum mark awarded for the resubmitted assignment is 50%.

(ii) Students, who fail to achieve a minimum of 50% in a written examination, will be permitted to repeat that examination during the appropriate repeat examinations. Students will only be allowed to repeat the examination on one occasion and the maximum mark awarded for the repeated examination is 50%.

##### c) *Failure of a module.*

(i) Obtaining an average of 50% of the available marks in each module (i.e. personal assignments or examination) is required to pass each of the core and optional modules.

(ii) Students must pass term 1 core modules (1-6) before they can progress to term 2. Any students who fail these modules in the Michaelmas term examinations will have the opportunity to re-sit these examinations in the first week of the Hilary term (term 2), prior to the commencement of teaching in the Hilary term.

(iii) Modules 7 and 8 are taught in Hilary term and will be assessed in conjunction with the optional modules at term end. Any students failing any of the modules 7-15 (apart from the dissertation module 9) will be able to repeat these examinations in August.

Failure of a module on the second attempt, or failure of three or more of the taught modules in total, indicates failure of the whole course requiring exit from the course.

##### d) *Compensation.*

Students who fail a core or optional module, but obtain 45% or more may compensate with another module examination in the same term, up to a maximum of 5%. No compensation is allowed for research dissertation or repeat examinations.

##### e) *Dissertation:*

To begin the research project, students must have completed the taught elements for terms 1 and 2 and successfully passed the examinations for core modules 1-6 (term 1). The dissertation module must be passed. Compensation is not possible for the dissertation; neither can the dissertation be used to compensate for any of the taught modules.

#### 42.8 *Progression*

a) All students registered on the M.Sc. course must successfully pass core modules 1-6 in order to proceed to the second term modules, and then to the research project and dissertation in the third term. The Court of Examiners will meet to moderate examination marks related to the course and all the results obtained by the students prior to publication of results.

b) Students on the part-time course must successfully pass all the requirements of the first year of the programme to progress to the second year (outlined in section 5.1.4). For part-time students, results will be published at the end of year 1 and the final degree results will be published at the end of year 2.

c) Students who have successfully passed the twelve taught modules of the course and accumulated 60 ECTS credits but who do not wish to proceed to the dissertation stage, or if they have submitted but then failed the research project and dissertation, will be

considered for a Postgraduate Diploma in Translational Oncology (exit award). Students who have achieved an overall average of at least 70% in all taught modules passed amounting to 60 credits will be eligible for consideration for the award of Postgraduate Diploma in Translational Oncology with Distinction. The Postgraduate Diploma with Distinction cannot be awarded if a candidate has failed any module during the period of study.

d) A Masters dissertation will be submitted and examined in line with the *General Regulations for Taught Graduate Courses* stated in Part B (Section 3) of the *University of Dublin Calendar part 2 for Graduate Studies and Higher Degrees* for a given year. To qualify for the award of the M.Sc. in Translational Oncology, students must pass taught modules amounting to 60 credits and achieve an overall average mark of at least 50% across the taught modules as well as the research project/dissertation.

e) The award of a Masters with Distinction shall require the achievement of a distinction with at least 70% average from the taught modules and at least 70% from the dissertation. A distinction cannot be awarded if a candidate has failed any module during the period of study.

42.9 *Course location:* Trinity Centre for Health Sciences, St. James's Hospital, Dublin 8.

42.10 *Course director:* Professor Graham Pidgeon  
*Course co-ordinator:* Professor Joanne Lysaght

### 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.

#### **43. Advanced Radiotherapy Practice (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.

#### **44. Biological Psychiatry (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.

#### **45. 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.

#### **46. Cancer 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 10 above.

#### **47. Cardiovascular Rehabilitation and Prevention (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.

#### **48. 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.

#### **49. Clinical Dental Technology (P.Grad.Dip.)**

49.1 *Admission Requirements:* Applicants for the award of P.Grad.Dip. in Clinical Dental Technology must have a recognised qualification in dental technology with at least three years

relevant experience. 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 course is to provide an educational programme that will equip the student with the knowledge and experience to safely and effectively treat patients on graduation to the highest national and international standards.

Students must produce a negative hepatitis B virus infection result (i.e. negative HBsAg or in the presence of a positive HBsAg, negative HBeAg and negative HBV-DNA where applicable) and a negative hepatitis C antibody test (and if positive a negative PCR test for hepatitis C RNA) carried out not more than six months prior to entry, before being permitted to register with the College. Overseas applicants are advised to undergo testing in their home country and to forward the result to the Dental School Office as soon as possible thereafter. The College reserves the right to retest prior to admission. Students admitted to these courses who are not already deemed to be immune to hepatitis B will be required to undergo a course of vaccination. Details of vaccination programmes may be obtained on request from the Dental School Office. If Irish law, or official guidance, changes between the date of publication of this documentation and the date of registration of new applicants to these courses, the School of Dental Science reserves the right to require that the criteria adopted in relation to the ability to practise clinically in Ireland be satisfied before registration is permitted. All costs associated with tests for infectious diseases and vaccination must be met by the student.

Registered students must remain free of any life threatening infectious condition that could be transmitted to a patient or fellow health worker. Such conditions include HIV, hepatitis B, hepatitis C, pulmonary tuberculosis, chickenpox and measles. In the event of a student becoming aware of such a condition they should consult their medical advisor. In addition students must advise the Dental School and shall refrain from further patient contact until cleared medically.

Students are required to undergo vetting by the Garda Síochána or other relevant police force. If, as a result of the outcome of these vetting procedures a student is deemed unsuitable to attend clinical or other professional placements he/she may be required to withdraw from his/her programme of study. Further details and procedures are available from the Admissions Office and from the Dental School office.

For, applicants whose first language is not English and who have not been educated through the medium of English the requirements in Section 1.5 apply, except that the minimum acceptable IELTS score is 7.0.

#### 49.2 *Course Structure:*

Module	Title	ECTS
1	Dental Occlusion	10
2	Dental Anatomy and Clinical Oral Physiology	10
3	Dental Materials Science	5
4	Edentulous State	20
5	Removable Partial Dentures	10
6	The Clinical Environment	5
7.	Health and safety	5
8	Case Preparation and Presentation	5

In addition to the course of study and examinations, a student must complete clinical competencies and submit patient presentations. The Professional Postgraduate Diploma in Clinical Dental Technology 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 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.

#### 49.3 *Assessment:* Candidates will be assessed throughout the course by:

- Written examination, including assignments
- Course work
- Presentation
- Professional practice portfolio / log book.

#### *Written examinations:*

##### *Portfolio*

The students must complete a reflective portfolio to include a 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 DDUH Dublin. Students will complete 80 clinical sessions.

### *Clinical practice assessment and presentation*

Students undertaking the Postgraduate Diploma in Clinical Dental Technology are required to undertake clinical competency assessments; each competency will be clearly documented and be signed by the clinical supervisor and will take place when the student has had the opportunity to practice the techniques on a number of cases. All students will be required to present patient cases to their peers and teaching staff twice during their course. 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.

### End of First Year Assessment

This assessment will take place in week 4 of Trinity term of the first year (Trinity Term being the third term of a course starting in Michaelmas Term). This test occurs early enough in the term (week 4) to allow for appeal remediation and a re-sit at the end of term for those SCOT stations in which the student failed to achieve at least 50%.

Note: For the second cohort beginning September 2012 there will be an end of first year assessment in April 2013, following the same format as set out above.

In order to obtain credit and rise with their class a student must achieve all of the following;

- An overall pass mark (50%) in each of the written assessments
- A minimum of 50% in the OSCE examination which is standard set.
- Satisfactory completion of all the competences for the year
- Satisfactory completion of all the assignments for the year
- A satisfactory level of attendance

### Final Assessment

The final assessment will consist of two parts with each allocated 50% of the total marks.

#### PART 1

(Three written examination papers and continual assessment)

Paper I – Edentulous and Partially dentate state

Paper II – Dental Occlusion, Anatomy Physiology, Material Science.

Paper III – The Clinical Environment

Continuous Assessment- Essays and assignments.

#### PART 2

Case presentation 5%, Portfolio 10%, unseen patients 15%, OSCE 20%

No compensation will be allowed between Part I and Part II; however compensation will be allowed within each Part between its components. A student who fails any Part of the Final Assessment may, at the discretion of the Board of Examiners, sit a supplemental assessment of all the components of the failed Part three months after the Final Assessment took place.

The Clinical log diaries must be handed into the Course Administrator two months before sitting the Final Examinations for evaluation and marking and this section must be passed before the Final Examination is sat.

Classification of award: The Diploma will be unclassified but a Distinction will be awarded if a mark >70% is obtained.

**49.4 Attendance:** Satisfactory attendance at all aspects of the course is compulsory. A student who misses more than 4 sessions (tutorial, laboratory) in any term without medical certification or submission of a completed leave of absence form will be reported by the Dental

School to his/her College Tutor. Medical certificates must be submitted to the Dental School Office within 2 working days of returning following an illness. An unsatisfactory explanation from the Tutor will result in that student being deemed to be *Non Satisfactory* for that term. Any student being recorded as Non Satisfactory for two terms in a year will be reported to the Course Director and may be precluded from completing the assessment for the year and will be required to repeat that year without supplemental. Students who are absent from clinical or laboratory sessions may be required to make up these sessions during the Remedial Period irrespective of the reason for the absence. The need to make up for missed sessions will be determined by the Course Director or Head of Division in consultation with the Course Co-ordinator. The student will be advised of the need to attend during the Remedial Period as soon as the decision is taken.

49.5 *Course Director:* Professor Frank Houston

## 50. Clinical Dentistry (P.Grad.Dip.)

50.1 *Introduction:* This course is offered in the Faculty of Health Sciences by the School of Dental Science.

50.2 *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.

50.3 *Admission Requirements:* Practitioners are required to hold a Bachelors Degree in Dental Science or its equivalent, be fully registered with the Dental Council and should ideally have three years or more recognised experience in postgraduate dental practice. Furthermore, they should possess their own professional indemnity insurance and present evidence of vaccination against hepatitis B virus.

Students must produce a negative hepatitis B virus infection result (i.e. negative HBsAg or in the presence of a positive HBsAg, negative HBeAg and negative HBV-DNA where applicable) and a negative hepatitis C antibody test (and if positive a negative PCR test for hepatitis C RNA) carried out not more than six months prior to entry, before being permitted to register with the College. Overseas applicants are advised to undergo testing in their home country and to forward the result to the Dental School Office as soon as possible thereafter. The College reserves the right to retest prior to admission. Students admitted to these courses who are not already deemed to be immune to hepatitis B will be required to undergo a course of vaccination. Details of vaccination programmes may be obtained on request from the Dental School Office. If Irish law, or official guidance, changes between the date of publication of this documentation and the date of registration of new applicants to these courses, the School of Dental Science reserves the right to require that the criteria adopted in relation to the ability to practise clinically in Ireland be satisfied before registration is permitted. All costs associated with tests for infectious diseases and vaccination must be met by the student.

Registered students must remain free of any life threatening infectious condition that could be transmitted to a patient or fellow health worker. Such conditions include HIV, hepatitis B, hepatitis C, pulmonary tuberculosis, chickenpox and measles. In the event of a student becoming aware of such a condition they should consult their medical advisor. In addition students must advise the Dental School and shall refrain from further patient contact until cleared medically.

Students are required to undergo vetting by the Garda Síochána or other relevant police force. If, as a result of the outcome of these vetting procedures a student is deemed unsuitable to attend clinical or other professional placements he/she may be required to withdraw from his/her programme of study. Further details and procedures are available from the Admissions Office and from the Dental School office.

For, applicants whose first language is not English and who have not been educated through the medium of English the requirements in Section 1.5 apply, except that the minimum acceptable IELTS score is 7.0.

50.4 *Duration:* The course consists of a core module, held immediately before the start of a new intake, followed by the successful completion of six modules. Students are required to select six of the modules offered, which best suit their individual practice needs. Each module consists of eight, three-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.

#### 50.5 *Course Structure:*

The compulsory core module (10 ECTS) 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 (10 ECTS)
2. Removable Prosthodontics (10 ECTS)
3. Fixed Prosthodontics (10 ECTS)
4. Periodontal Therapy (10 ECTS)
5. Endodontics (10 ECTS)
6. Oral Medicine (10 ECTS)
7. Dento-Alveolar Surgery (10 ECTS)
8. Paediatric Dentistry (10 ECTS)
9. Orthodontics (10 ECTS)
10. Special Care Dentistry (10 ECTS)
11. Dental Radiology (10 ECTS)

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. The School reserves the right to offer alternative courses subject to staff availability in any given year.

50.6 *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 the Dublin Dental University Hospital and the Dean of Graduate Studies, who will act in consultation with and on the advice of the Course Co-ordinator.

50.7 *Assessment:* Assessment of each module is by completion of clinical tasks (competencies), and by Objective Structured Clinical Examinations (OSCEs) at the end of each module. The assessment process is monitored by an external examiner. Students are awarded the Postgraduate Diploma on successful completion of their six chosen modules. The course is taught in the Dublin Dental University Hospital.

50.8 *Course Co-ordinator:* Professor Frank Quinn

### **51. Clinical Health Sciences Education (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.

### **52. Cognitive Psychotherapy (P.Grad.Dip.)**

52.1 *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.

52.2 *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.

52.3 *Duration:* One year

52.4 *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.

52.5 *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 three cases before the end of the course.

Students will be expected to undertake regular audiotaped/vidiotaped 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%.

52.6 *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.

52.7 *Course Director:* Dr Brian Fitzmaurice

### **53. Community Pharmacy (P.Grad.Dip./M.Sc.)**

Students register on the Postgraduate Diploma in the first instance. See Entry 16 above.

### **54. Conscious Sedation in Dentistry (P.Grad.Dip.)**

54.1 *Introduction:* 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.

54.2 *Admission Requirements:* Students must produce a negative hepatitis B virus infection result (i.e. negative HBsAg or in the presence of a positive HBsAg, negative HBeAg and negative HBV-DNA where applicable) and a negative hepatitis C antibody test (and if positive a negative PCR test for hepatitis C RNA) carried out not more than six months prior to entry, before being permitted to register with the College. Overseas applicants are advised to undergo testing in their home country and to forward the result to the Dental School Office as soon as possible thereafter. The College reserves the right to retest prior to admission. Students admitted to these courses who are not already deemed to be immune to hepatitis B will be required to undergo a course of vaccination. Details of vaccination programmes may be obtained on request from the Dental School Office. If Irish law, or official guidance, changes between the date of publication of this documentation and the date of registration of new applicants to these courses, the School of Dental Science reserves the right to require that the criteria adopted in relation to the ability to practise clinically in Ireland be satisfied before registration is permitted. All costs associated with tests for infectious diseases and vaccination must be met by the student.

Registered students must remain free of any life threatening infectious condition that could be transmitted to a patient or fellow health worker. Such conditions include HIV, hepatitis B, hepatitis C, pulmonary tuberculosis, chickenpox and measles. In the event of a student becoming aware of such a condition they should consult their medical advisor. In addition students must advise the Dental School and shall refrain from further patient contact until cleared medically.

Students are required to undergo vetting by the Garda Síochána or other relevant police force. If, as a result of the outcome of these vetting procedures a student is deemed unsuitable to attend clinical or other professional placements he/she may be required to withdraw from his/her programme of study. Further details and procedures are available from the Admissions Office and from the Dental School office.

For, applicants whose first language is not English and who have not been educated through the medium of English the requirements in Section 1.5 apply, except that the minimum acceptable IELTS score is 7.0.

54.3 *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 and 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.

<i>Module Title</i>	<i>ECTS</i>
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

#### 54.4 *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 Dublin Dental University Hospital, National Centre for Hereditary Coagulation Disorders - NCHC, St. James Hospital. 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 two 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 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 nine 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.

54.4 *Classification of award:* The Diploma will be unclassified but a Distinction will be awarded if a mark greater than 70% is obtained.

54.5 *Director of Course:* Professor Leo FA Stassen

### **55. Dementia (M.Sc./P.Grad.Dip.)**

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc.  
See Entry 17 above.

### **56. Exercise Physiology (M.Sc./P.Grad.Dip.)**

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc.  
See Entry 18 above.

### **57. 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 19 above.

### **58. Gynaecology and Obstetrics (P.Grad.Dip.)**

*There is no intake in 2012/2013*

58.1 *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.

58.2 *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 he/she 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.

58.3 *Duration:* The courses cover a period of six months (September - April) and are given as follows:

Instruction at Trinity College: This is given during two winter terms (September - April) 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 September, 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.

58.4 *Course Structure:* The course including assessment is the equivalent of 60 ECTS, and is comprised of the following modules:

1. Obstetrics (20 ECTS)
2. Gynaecology (20 ECTS)
3. Anatomy and Pathology (10 ECTS)
4. Neonatology (10 ECTS)

58.5 *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.

58.6 *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.

### **59. Health Informatics (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 in the Faculty of Engineering, Mathematics and Science for further details.

### **60. Health Services Management (M.Sc./P.Grad.Dip.)**

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc.  
See entry 22 above.

### **61. Medical Imaging (M.Sc./P.Grad.Dip.)**

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc.  
See Entry 25 above.

### **62. Medicine (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.

### **63. 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 26 above.

### **64. Molecular Medicine (P.Grad.Dip.)**

64.1 Recent years have seen an enormous expansion in our knowledge of molecular and cellular biology leading to an ever improved understanding of the essential molecular

mechanisms underlying the normal functioning of cells, tissues and organisms. Molecular Medicine is a field that exploits these advances to characterize how normal cellular processes either fail, or are subverted, in disease. Developments in this area are continuing at an explosive pace with the integration of new disciplines such as Genomics and the related "omics" areas of transcriptomics, proteomics and metabolomics. Allied with other developments such as the applications of nanotechnologies in medicine, these are expected to transform diagnostic and therapeutic modalities into the future. Molecular Medicine will thus be an integral aspect of clinical practice in the 21st century and this state-of-the-art programme aims to provide candidates with an understanding of the area and its implications for the practice of clinical medicine and research in the health and life sciences. It covers the latest theoretical and technological developments, and provides training in the practical aspects of molecular medicine, with the objective of ensuring the candidate is equipped with the skills necessary to conduct research and critically evaluate the scientific and medical literature.

The Diploma in Molecular Medicine is designed to make available a high quality course to those individuals who cannot avail of the masters 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 proceeding to do a higher degree.

**64.2 Admission Requirements:** Candidates should normally have a minimum of an upper second class honours degree or equivalent in a biological science, or a pass degree in 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 at the discretion of the Course Co-ordinators.

**64.3 Course Structure:** The course is delivered in a one-year format equivalent to 60 ECTs. It 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 signaling and therapeutics, molecular and population genetics, glycobiology, nanoscience, and high content cell analysis. The core module entitled "Practical Research and Self-directed Learning" includes topics such as bioinformatics, statistics, ethical-legal aspects of the discipline, plus journal clubs, a literature review, a laboratory practical and delivery of a lecture. The course consists of the core module (30 ECTS) and a selection of taught modules (30 ECTS), which the student may choose, in consultation with Course Co-ordinators, from the list below.

*Core Module:*

- Practical Research and Self-directed Learning (30 ECTS)

*Optional Modules* to the total value of 30 ECTS should be chosen from the following:

- Cellular Biology & Cell Signaling Mechanisms (5 ECTS)
- Introduction to Genetics and Development (5 ECTS)
- Molecular Oncology (5 ECTS)
- Human Genetics (5 ECTS)
- Molecular and Cellular Immunology (5 ECTS)
- Infectious Agents, Biological and Clinical Applications (5 ECTS)
- Molecular Mechanisms of Human Disease I (5 ECTS)
- Molecular Mechanisms of Human Disease II (5 ECTS)
- Advanced Diagnostics and Therapeutics (5 ECTS)
- High Content Screening and Analysis (5 ECTS)
- NanoMedicine and Medicinal Chemistry (5 ECTS)

**64.4 Assessment:** The core module will be assessed by written examinations and assessment of submitted work. The taught modules will be assessed by written examinations. The grade scheme for modules is as follows: Distinction (D) = 70%+; Pass (P) = 50-69%; Fail 1 (F1) = 40-49%; Fail 2 (F2) = 0-39%. Both core and combined taught modules must be passed in order for a candidate to pass the year. A Distinction requires an overall mark of 70%+ including 70%+ in the core module. Compensation is only allowed for up to two taught modules where F1 grades have been achieved. More than two F1 grades and/or any F2 grades requires

reassessment of failed taught modules by supplemental exam. Ordinarily a maximum of 4 supplemental exams will be allowed. An external examiner with a record in the field of molecular medicine will be appointed to ensure the academic excellence of the course. Examinations and submitted work will be externally moderated.

64.5 *Course Director:* Professor Ross McManus  
*Course Co-ordinators:* Professors Aideen Long, Ross McManus, Derek Morris, Yuri Volkov, Henry Windle.

### **65. Neuroscience (M.Sc./P.Grad.Dip.)**

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc.  
See entry 30 above.

### **66. 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 33 above.

### **67. 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 34 above.

### **68 Pharmaceutical Manufacturing Technology (P.Grad.Dip./M.Sc.)**

Students register on the Postgraduate Diploma in the first instance. See Entry 35 above.

### **69. Pharmaceutical Medicine (P.Grad.Dip.)**

69.1 *Introduction:* This postgraduate diploma course is administered by the Department of Pharmacology and Therapeutics, School of Medicine. It has been developed to provide medical and science graduates with specialist knowledge and skills in the area of pharmaceutical medicine. Intake is on an annual basis. There is a separate entry for the M.Sc. in Pharmaceutical Medicine.

69.2 *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 two years' practical experience in their area of qualification/pharmaceutical industry.

69.3 *Course Structure:* The course involves completion of 12 taught modules (equivalent to 60 ECTS) as follows:

- Principles of discovery of medicines and development planning (5 ECTS)
- Non-clinical testing, pharmaceutical and early clinical development (5 ECTS)
- Exploratory and confirmatory clinical development (5 ECTS)
- Clinical Trials (5 ECTS)
- Regulatory affairs, drug safety and pharmacovigilance (5 ECTS)
- Healthcare marketplace; economics of healthcare (5 ECTS)
- Drug safety: Pharmacoepidemiology, pharmacovigilance and risk

management

(5 ECTS)

- Biologicals and advanced therapies (5 ECTS)
- Special populations: clinical trial practice and regulation (5 ECTS)
- Medicines regulation (5 ECTS)
- Health Economics (5 ECTS)
- Project management in medicines development (5 ECTS)

The modules consist of formal teaching sessions and personal assignments and are run over 18 months on a part-time basis. Some of the modules are undertaken by way of distance learning.

69.4 *Course Assessment:* Students are assessed by continuous assessment and are required to pass written and oral examinations at the end of the course. Students who fail to

pass taught modules may present for supplemental examination or re-submit required work as appropriate, within the duration of the course. To qualify for the award of the Postgraduate Diploma, students must achieve an overall mark of at least 50% which will be the credit-weighted average of all modules and must pass outright or by compensation individual taught modules amounting to 60 credits. Students may compensate failed modules accounting for not more than 10 credits provided that they achieve an overall average of at least 50% across taught modules, pass taught modules amounting to at least 50 credits and get a mark of no less than 45% in the failed module(s).

Students who achieve an overall credit-weighted average mark of at least 70% will be eligible for consideration for the award of Postgraduate Diploma with Distinction. A Postgraduate Diploma with Distinction cannot be awarded if a candidate has failed any module during the period of study.

69.5 *Location:* Trinity Centre for Health Sciences, St James's Hospital, Dublin 8.

69.6 *Course Director:* Professor Mary Teeling  
*Course Co-ordinator:* Professor MaryJo MacAvin

### **70. Pharmaceutical Technology (M.Sc./P.Grad.Dip.)**

*There is no intake to this course in 2012/13*

Normally, direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. See Entry 37 above.

### **71. Physical Sciences in Medicine (M.Sc./P.Grad.Dip.)**

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. Physical Sciences in Medicine. See Entry 38 above.

### **72. 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 27 above.

### **73. Professional Nursing Studies (M.Sc./P.Grad.Dip.)**

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. Nursing. See Entry 31 above.

### **74. Professional Nursing Studies (Child Health and Wellbeing) (M.Sc./P.Grad.Dip.)**

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. Nursing. See Entry 31 above.

### **75. Psychoanalytic Psychotherapy (M.Sc./P.Grad.Dip.)**

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. See Entry 39 above.

### **76. Respiratory Physiotherapy (M.Sc./P.Grad.Dip.)**

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. See Entry 40 above.

### **77. Special Care Dentistry (P.Grad.Dip.)**

77.1 *Introduction:* This course is offered in the Faculty of Health Sciences by the School of Dental Science.

77.2 *Aims:* This course aims to provide appropriate education and training in special care

dentistry to enable dentists to deliver primary care both safely and independently to this patient group. In addition, it aims to deliver a comprehensive education in the theoretical principles of special care dentistry and develop an ability to critically analyse professional literature.

**77.3 Admission Requirements:** Practitioners must hold a Bachelors Degree in Dental Science or its equivalent for at least two years and be registered with the Dental Council. Students have a responsibility to have valid Basic Life Support (HCP) certification from certified bodies prior to commencement of the course. Furthermore, they should possess their own professional indemnity insurance and present evidence of vaccination against hepatitis B virus.

Students must produce a negative hepatitis B virus infection result (i.e. negative HBsAg or in the presence of a positive HBsAg, negative HBeAg and negative HBV-DNA where applicable) and a negative hepatitis C antibody test (and if positive a negative PCR test for hepatitis C RNA) carried out not more than six months prior to entry, before being permitted to register with the College. Overseas applicants are advised to undergo testing in their home country and to forward the result to the Dental School Office as soon as possible thereafter. The College reserves the right to retest prior to admission. Students admitted to these courses who are not already deemed to be immune to hepatitis B will be required to undergo a course of vaccination. Details of vaccination programmes may be obtained on request from the Dental School Office. If Irish law, or official guidance, changes between the date of publication of this documentation and the date of registration of new applicants to these courses, the School of Dental Science reserves the right to require that the criteria adopted in relation to the ability to practise clinically in Ireland be satisfied before registration is permitted. All costs associated with tests for infectious diseases and vaccination must be met by the student. Registered students must remain free of any life threatening infectious condition that could be transmitted to a patient or fellow health worker. Such conditions include HIV, hepatitis B, hepatitis C, pulmonary tuberculosis, chickenpox and measles. In the event of a student becoming aware of such a condition they should consult their medical advisor. In addition students must advise the Dental School and shall refrain from further patient contact until cleared medically.

Students are required to undergo vetting by the Garda Síochána or other relevant police force. If, as a result of the outcome of these vetting procedures a student is deemed unsuitable to attend clinical or other professional placements he/she may be required to withdraw from his/her programme of study. Further details and procedures are available from the Admissions Office and from the Dental School office.

For, applicants whose first language is not English and who have not been educated through the medium of English the requirements in Section 1.5 apply, except that the minimum acceptable IELTS score is 7.0.

**77.4 Duration:** The course of study will be 18 months, part-time alternating to commence between September and January. The student will be required to attend for 21 teaching days and 40 clinical sessions. The course will be delivered in the Dublin Dental University Hospital and affiliated centres.

**77.5 Course Structure:** The course consists of seven core (compulsory) modules as follows:

1. Biological sciences of relevance to Special Care Dentistry (10 ECTS)
2. Concepts of health, impairment functioning and disability (5 ECTS)
3. Concepts of oral health, impairment and disability (10 ECTS)
4. Clinical Special Care Dentistry (15 ECTS)
5. Oral health care planning and oral health promotion for individuals and groups (10 ECTS)
6. Professional Literature Appraisal (5 ECTS)
7. Legislation, Ethics and Clinical Governance (5 ECTS)

**77.6 Satisfactory Progress:** 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.

77.7	<i>Assessment:</i> Candidates will be assessed throughout the course by	
	Assessment	Weighting
	Presentations	29.2%
	Essay 6.3%	
	Literature review	8.3%
	Portfolio	12.1%
	End of Year One Examination	15.0%
	Final Examination – OSCE	8.4%
	Final Examination – Written Paper	24.2%

In addition to the course of study and examinations, a student must present an essay-based project on barriers to care, and a related presentation, a professional literature review, clinical competencies and submit and present a project on health delivery models. A student must also submit a portfolio based on a reflective logbook of all cases seen as part of the course as well as selected cases from their own independent practice demonstrating application of knowledge and practical skills obtained through this course. The portfolio must be submitted to the Director of the Course two months prior to the completion of the course of study. The assessment process is monitored by an external examiner. A Postgraduate Diploma in Special Care Dentistry is awarded on passing all components of the course.

Any candidate who fails any piece of supplementary coursework or repeat examination will be required to seek special dispensation to sit a second and final supplementary examination or submission at the discretion of the Course Director.

#### Classification of award

The Diploma will be unclassified but a Distinction will be awarded if a combined mark of at least 70% is obtained across all modules.

77.8 *Director of Course:* Professor June Nunn

### **78. Specialist Nursing (M.Sc./P.Grad.Dip.)**

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc. Nursing.  
See Entry 31 above.

### **79. Translational Oncology (M.Sc. / P.Grad.Dip.)**

Direct entry to the P.Grad.Dip. is not possible. Entry is only via the M.Sc.  
See Entry 42 above.

## **Higher Diplomas**

### **80. Higher Diploma in Children's Nursing**

80.1 *Introduction:* This course, which is currently taught by 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 children's nursing practice.

80.2 *Admission Requirements:* Applicants must satisfy the following entry criteria

1. Be on at least one of the following divisions of the register as held by An Bord Altranais: general, psychiatric, intellectual disability
2. Be on the active register as held by An Bord Altranais
3. Have six months post-registration Clinical Nursing Experience
4. Have completed a Diploma course in General, Intellectual Disability or Psychiatric Nursing; or, have completed a Trinity College Dublin Access Course; or, have completed a Nursing Degree course.
5. Have Garda clearance for working with children and adolescents

80.3 *Duration:* One-year full-time; this course will run only if there is a minimum number of students. During the course duration students are employed by the Adelaide and Meath Hospital, Dublin, incorporating the National Children's Hospital at Tallaght.

80.4 *Location:* The course is delivered on a TCD site for theory and clinical sites in The Adelaide and Meath Hospital, Dublin, incorporating National Children's Hospital at Tallaght and other selected sites.

80.5 *Course content:* The H.Dip. is the equivalent of 60 ECTS. The course comprises children's nursing theory and practice, management, legal and ethical aspects of children's nursing, research appreciation.

<i>Modules</i>	<i>ECTS</i>
Introduction to children's nursing	5
The sick child (Part A)	5
The sick child (Part B)	5
Healthcare needs of a child and family	5
The adolescent and their family/The health child	5
Contemporary aspects of children's nursing	5
Children's practice placement 1	10
Children's practice placement 2	10
Children's specialist practice placement	10

80.6 *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 to apply for registration as a RCN with An Bord Altranais.

80.7 *Course Co-ordinator:* Professor Thelma Begley

### **81. Higher Diploma in Midwifery**

81.1 *Introduction:* This course is taught by the School of Nursing and Midwifery, in partnership with The Rotunda Hospital, Dublin and The Coombe Women and Infant's University 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.

81.2 *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.

81.3 *Duration:* 18 months full-time, during which time students are employed either by The Rotunda Hospital, Dublin, or The Coombe Women and Infant's University Hospital.

81.4 *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.

<i>Module Title</i>	<i>ECTS</i>
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

81.5 *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.

81.6 *Course Co-ordinator:* Professor Linda Biesty  
*Course Director:* Professor Margaret Carroll

## 6 (d). Postgraduate Certificates

### 1. Postgraduate Certificate in Innovation and Entrepreneurship (P.Grad.Cert.)

1.1 *Introduction:* This new Postgraduate Certificate in Innovation and Entrepreneurship is available both as an integral part of the doctoral degree and as a stand-alone course for registered Ph.D. students. The aim of the course is to help Ph.D. students access their innate ability for independent creative thinking and innovation in its broadest sense and to assist them in discovering the potential for the development of their new ideas latent in their thesis research in a multi-disciplinary team environment. The modules are designed to address the main issues and problems that entrepreneurs and creative thinkers face in recognising, developing and assessing innovative opportunities for commercial and/or social benefit. The modules are structured in such a way as to encourage action, participation, discussion, analysis and reflection.

1.2 *Admission Requirements:* Applications for admission are accepted from Ph.D. students of TCD and of UCD. Students are required to adhere to the relevant guidelines of the university at which they are registered. In the event that the number of applicants exceeds the number of places available for a particular module, four criteria will apply: balance of numbers between the two universities; balance between disciplines; requirement in relation to Ph.D. studies; date of receipt of application. Applicants not admitted to a particular module will be placed on a waiting list for that module and, if not admitted, on a priority list for the next iteration of the module. Students who complete satisfactorily the two core modules will be eligible for admission to the specialised modules.

1.3 *Duration:* This is a part-time course. Credit for modules may be accumulated towards the Postgraduate Certificate over a period of between one and four years.

1.4 *Structure:* The course design incorporates two groups of modules – core and specialised: '*Innovation: from idea to value*' is a set of two core modules (totalling 15 ECTS) for all students: Creative Thinking and Innovation module (10 ECTS) and Opportunity Generation and Recognition module (5 ECTS). The core modules are mandatory. After completing the core modules, students may engage in specialised modules, '*Capitalising on innovation*', from which students aiming for award of the Certificate must complete three (totalling 15 ECTS). Here specific content includes IP protection, organising for innovation and start-up resourcing (including funding).

1.5 *Assessment:* All modules are graded as pass/fail. If a student fails a module, he/she may repeat.

1.6 *Course Co-Directors:* Professor Paul Coughlan (TCD)  
Professor Suzi Jarvis (UCD)

### 2. Postgraduate Certificate in Nursing (Nurse/ Midwife Prescribing) (P.Grad.Cert.)

2.1 *Introduction:* The aim of this Certificate in Nursing (Nurse/ Midwife Prescribing) is to equip nurses or midwives with the requisite knowledge, skills and competence to prescribe medicinal products safely and effectively. Upon successful completion of this course, the graduate will be eligible to apply to ABA for registration as a Registered Nurse Prescriber.

2.2 *Admission Requirements:* Each applicant must meet all three types of criteria namely professional, academic and clinical as follows:

Professional:

- Have an active registration with ABA: applicants must be registered in the General, Psychiatric, Children's, Intellectual Disability, Midwifery or Public Health Nurse divisions of the active register maintained by An Bord Altranais; and
- Have a minimum of three years post registration clinical experience during the last 5 years with at least one year full time experience in the specific area of practice.

Academic:

- Possess competencies recognised at Level 8 of the National Framework of

Qualifications (for example a higher diploma or an honours degree); and

- Demonstrate evidence of further post registration education (for example completion of An Bord Altranais category I or II courses or other postgraduate courses)

Clinical Practice Experience:

- Be employed in a clinical area that is approved by the course team and satisfies An Bord Altranais Requirements and Standards.

- Submit a written commitment from the host organisation supporting the applicant for the clinical practicum. A Site Declaration Form signed by the Director of Nursing/Midwifery/Public Health Nursing (or relevant nurse/midwife manager) must be submitted with the entry application (see appendix 10)

- Submit a written confirmation from a medical practitioner who has agreed to act as a mentor for the required term of supervised practice (this mentor should also sign the Site Declaration Form).

- Be familiar with information technology in particular email and internet use and have access to computer facilities including email and internet.

2.3 *Duration*: The course is offered on a one-year part-time basis.

2.4 *Course structure*: The course is composed of three modules, each of which will require students to carry out clinical practicum, attend Trinity-based theory lectures and follow the course material by the e-learning method. Students are required to attend the university for approximately 10 days over the course of the year. In addition there is requirement for 12 days clinical exposure.

2.5 *Modules and European Credit Transfer System (ECTS)*

Physical Assessment 10 ECTS

Prescribing Medicinal Products 10 ECTS

Developing the Professional Role 10 ECTS

The Certificate is the equivalent of 30 ECTS

2.6 *Progression*: To be awarded a Certificate, a student must successfully complete all three modules to the value of 30 ECTS.

2.7 *Assessments and examinations*: A combination of assessment methods is used to assess the learning outcomes for the course. This includes a written assignment, an exam, clinical portfolio, Observed Structured Clinical Examination (OSCE) and Objective Structures Long Examination Record (OSLER). 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.

2.8 *Classification of Award*: The Certificate may be awarded a mark of Distinction. The award of distinction will require the achievement of an aggregate score of 70% or above in the three modules. A distinction cannot be awarded if a candidate has failed any module during the period of study.

2.9 *Course Co-ordinator*: Professor Brian Keogh

## 6 (e). Validated Postgraduate Courses

### 1. Higher Diploma in Education (Primary Teaching)

1.1 *Introduction:* The Higher Diploma in Education (Primary Teaching) is a full-time professional course of study delivered in its entirety by Coláiste Mhuire, Marino Institute of Education and is intended to provide for the academic and professional requirements of primary school teachers.

The award of Higher Diploma in Education (Primary Teaching) is awarded by Trinity College Dublin to students who have successfully completed the course. The course meets the professional requirements of Regulation Two (Primary) of the Teaching Council Regulations 2009. Under Circular 40/2010 of the Department of Education and Skills, graduates of the course are eligible for appointment to recognised primary schools.

The course carries 90 ECTS. It runs over 18 months and starts in February of the year of entry. The curriculum includes Foundation Studies (History of Educational Ideas, Philosophy of Education, Sociology of Education, Child Development and Educational Psychology) as well as competencies and methodologies related to the Primary School curriculum.

Students undertake teaching practice three times over the duration of the course. Each practice extends over four weeks involving initial pupil observation, assisting the classroom teacher, and preparation for and classroom teaching of all subjects. Students are also required to complete a placement in a Special Education setting and language training outside term time in the Gaeltacht as an integral part of the programme.

102.2 *Admissions:* The course has to be sanctioned from year to year by the Department of Education and Skills and is advertised in the national press with details of the closing date for application. Applicants must fulfil specific requirements set by the Department of Education and Skills. There follows a selection procedure of eligible applicants, which involves a general interview and an oral Irish interview. Further information about the course can be obtained directly from the College.

### 2. Postgraduate Diploma in Learning Support and Special Educational Needs (P.Grad.Dip.)

2.1 *Introduction:* The Postgraduate Diploma in Learning Support and Special Educational Needs is a part-time professional course of study delivered in its entirety by the Church of Ireland College of Education. The course carries 60 ECTS and runs over one year with a new cohort of students commencing in September. The award of Postgraduate Diploma in Learning Support and Special Educational Needs is awarded by Trinity College Dublin to students who have successfully completed the course.

The aim of the course is to provide substantial theoretical and practical training for teachers working with pupils with special educational needs and requiring learning support. The Department of Education and Skills has agreed the content of the course and approaches used, in the context of Continuing Professional Development for teachers involved in Learning Support and Special Education funded through Teacher Education Section.

A blended model of delivery is employed to cover modules including Inclusion of Pupils with Learning Support (LS) and Special Educational Needs (SEN), Child and Adolescent Development, Identification and Assessment, Teaching Pupils with Learning Support (LS) and Special Educational Needs (SEN) and Effective Planning and Management.

Participants are assessed on the basis of full attendance, successful completion of written assignments, supervision and evaluation of their work in school.

2.2 *Admissions:* The programme is open to all serving teachers who are employed in a position funded by the Department of Education and Skills and who provide Learning Support and Resource Teaching in recognised Primary schools, Post-Primary schools, Special Schools and other recognised educational services. Teachers are required to be registered with the Teaching Council.

## 7. List of Higher Degree Titles

7.1 The regulations for higher degrees (with the exception of Master in Arts (M.A.), Master in Computer Science (M.C.S.) and Master in Engineering (Studies) (M.A.I. (St.)), are administered by the Dean of Graduate Studies who acts in conjunction with the Graduate Studies Committee, the Deans of Faculties, the Heads of School, and committees of various professional schools.

7.2 *List of higher degree titles*

### **Degrees by publication**

- Doctor in Divinity (D.D.)
- Doctor in Laws (LL.D.)
- Doctor in Letters (Litt.D.)
- Doctor in Music (Mus.D.)
- Doctor in Science (Sc.D.)

### **Degrees by research and thesis**

- Doctor in Medicine (M.D.)
- Doctor in Philosophy (Ph.D.)
- Master in Dental Science (M.Dent.Sc.)
- Master in Engineering (Research) (M.A.I. (Ind.))<sup>1</sup>
- Master in Letters (M.Litt.)
- Master in Obstetrics (M.A.O.)
- Master in Science (Research) (M.Sc. (Ind.))
- Master in Surgery (M.Ch.)

### **Doctoral degrees by course work, examination, professional practice, research and thesis**

- Doctor in Clinical Psychology (D.Clin.Psych.)
- Doctor in Counselling Psychology
- Doctor in Dental Surgery (D.Ch.Dent.)
- Doctor in Education (D.Ed.)

### **Higher degree by written examination and dissertation, no course work**

- Bachelor in Divinity (B.D.)

### **Master's degrees by course work, with examination and dissertation**

- Master in Business Administration (M.B.A.)
- Master in Education (M.Ed.)
- Master in Fine Art (M.F.A.)
- Master in Laws (LL.M.)
- Master in Medicine (M.M.)
- Master in Philosophy (M.Phil.) in
  - Applied linguistics
  - Children's literature
  - Classics
  - Comparative literature
  - Conflict resolution and reconciliation
  - Creative writing
  - Digital humanities and culture
  - Early Irish
  - Early modern history
  - English language teaching
  - European studies
  - Film theory and history
  - Gender and women's studies
  - Intercultural theology and interreligious studies
  - International peace studies

<sup>1</sup>The award title is subject to the approval of the University Senate.

Irish art history  
Irish writing  
Linguistics  
Literary translation  
Literatures of the Americas  
Medieval history  
Medieval language, literature and culture  
Modern Irish history  
Music composition  
Music and media technologies  
Popular literature  
Psychoanalytic studies  
Public history and cultural heritage  
Race, ethnicity, conflict  
Social work research  
Speech and language processing  
Textual and visual studies  
Theatre and performance  
Master in Science (Studies) (M.Sc. (St.)) in  
Advanced radiotherapy practice  
Alcohol and drug interventions  
Applied behaviour analysis  
Applied psychology  
Applied social research  
Biodiversity and conservation  
Biological psychiatry  
Biomedical sciences (intercalated)  
Business and management  
Cancer care  
Cardiology  
Cardiovascular rehabilitation and prevention  
Child protection and welfare  
Clinical chemistry  
Clinical health sciences education  
Clinical speech and language studies  
Clinical supervision  
Cognitive psychotherapy  
Community pharmacy  
Computer science (interactive entertainment technology)  
Computer science (mobile and ubiquitous computing)  
Computer science (networks and distributed systems)  
Dementia  
Disability studies  
Drug and alcohol policy  
Economic policy studies  
Engineering  
Bioengineering  
Civil engineering  
Electronic engineering  
Engineering (by course module)  
Integrated systems design  
Mechanical engineering (Erasmus Mundus)  
Environment and development  
Environmental sciences  
Exercise physiology  
Finance  
Gerontological nursing  
Global health  
Health informatics  
Health services management  
Healthcare infection management  
High performance computing

Hospital pharmacy  
 Immunology  
 Interactive digital media  
 International management  
 International politics  
 Management of information systems  
 Medical imaging  
 Mental health  
 Midwifery  
 Molecular medicine  
 Molecular pathology  
 Neuroscience  
 Nursing  
 Occupational therapy  
 Palliative care  
 Pharmaceutical analysis  
 Pharmaceutical manufacturing technology  
 Pharmaceutical medicine  
 Pharmaceutical technology  
 Physical sciences in medicine  
 Political science  
 Psychoanalytic psychotherapy  
 Psychology (applied behaviour analysis)  
 Respiratory physiotherapy  
 Sports and exercise medicine  
 Technology and learning  
 Translational Oncology  
 Master in Science (Economics) (M.Sc. (Econ.))  
 Master in Science (Management) (M.Sc. (Mgmt)) in  
 Business administration  
 International business  
 Management practice  
 Organisation behaviour  
 Strategic management  
 Master in Social Work (M.S.W.)  
 Master of Studies (M.St.) in  
 School leadership and educational studies  
 Master in Theology (M.Th.)  
 A master's course in development practice which is conducted jointly with University  
 College Dublin is also offered.

### **Postgraduate diploma courses**

Applied behaviour analysis  
 Child protection and welfare  
 Clinical dental technology  
 Clinical dentistry  
 Clinical speech and language studies (dysphagia)  
 Cognitive psychotherapy  
 Community pharmacy  
 Conflict and dispute resolution studies  
 Conscious sedation in dentistry  
 Continuing professional development diplomas for recognised teachers<sup>2</sup> in  
 Educational studies  
 Leadership and management education  
 Diplomas in the Graduate School of Professional Engineering Studies  
 Applied building repair and conservation  
 Computers for engineers  
 Construction law and contract administration  
 Environmental engineering

<sup>2</sup>The final intake to these courses took place in 2010-11.

- Fire safety practice (buildings and other structures)
- Health and safety in construction
- Project management
- Specialised technology
- Sustainable energy
- Gynaecology and obstetrics
- Learning support and special educational needs (conducted jointly with the Church of Ireland College of Education)
- Management
- Molecular medicine
- Music and media technologies
- Old Irish
- Oncological nursing (conducted jointly with St Luke's Hospital)
- Pharmaceutical manufacturing technology
- Pharmaceutical medicine
- Special care dentistry
- Statistics

*Higher diploma courses*

- Children's Nursing (conducted jointly with Tallaght Hospital)
- Education (Primary teaching) (offered through the Marino Institute of Education)
- Midwifery (in conjunction with the Rotunda Hospital and the Coombe Women's Hospital)
- Psychology

*Postgraduate diploma course*

- Education

*Postgraduate certificate course*

- Innovation and entrepreneurship
- Nursing (nurse/midwife prescribing)

## 8. POSTGRADUATE AWARDS AND TRAVEL FUNDS

8.1 The University offers a number of postgraduate awards open for application to students intending to register (or registered) for full-time higher research degree on the Ph.D. register. Applications are assessed competitively.

8.2 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 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 entrants as well as continuing students on the full-time 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 €16,000) 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 may have specific funds at their disposal and candidates, when applying, should enquire as to the availability of such funds.

8.3 Applicants whose total personal income (including stipends as specified above) is in excess of €18,000 will not be considered for Trinity College research awards.

8.4 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)

#### 8.5 *General*

A number of postgraduate research studentships are offered annually to highly qualified candidates to enable them to undertake Ph.D. 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 entrants as well as continuing students on the full-time Ph.D. register. Payments are made in twelve monthly instalments directly to the student's bank account via the Staff Office payroll.

#### 8.6 *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.

#### 8.7 *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 or continuing students on the Ph.D. register, engaged in full-time research and must be registered for a higher degree of Ph.D. 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.

Internships should be encouraged as a positive experience during a student's Ph.D. However, should undertaking an internship result in the student's income exceeding the upper limit of €18,000, a case can be made to the Dean of Graduate Studies, with support from the Supervisor, confirming that the internship is relevant to the research and should be undertaken. If this is approved by the Dean, the student will continue on the research register for the duration of the internship, while the award stipend will not be paid to the student for that period and will be returned to the general Postgraduate Award fund. The income received during this time will not be counted towards the student's overall income for the year.

### 8.8 *Applications*

New entrants to the research register are not required to complete a separate Award application form. A section on the research application form must be completed in order to be considered for an Award. Continuing students who wish to apply for this Award should contact their School directly. Nominations are considered at various times of the year depending on the School. New applicants are advised to submit their applications as early as possible.

## USSHER AWARDS

### 8.10 *General*

These Awards are granted to exceptionally well-qualified candidates of outstanding promise intending and permitted to register on year one for a higher degree of Ph.D. in the University of Dublin. 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 on the Ph.D. register. They cover annual fees and provide maintenance of €16,000 per annum. There are six Ussher Awards in every academic year. Three are allocated to successful applicants in the Faculty of Arts, Humanities and Social Sciences, two in 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).

### 8.11 *Conditions*

Holders must be new entrants to the Ph.D. register, engage in full-time research and must be registered for a higher degree of Ph.D. in the University of Dublin.

Holders have their award renewed annually on the basis of a satisfactory progress report, to a maximum of year three standing on the Ph.D. register and year two standing on the Masters register. Holders who were admitted to the Ph.D. register in year one and subsequently transferred to the Masters register in year two are permitted to retain the award for that year. Payments are made in twelve 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.

Internships should be encouraged as a positive experience during a student's Ph.D. However, should undertaking an internship result in the student's income exceeding the upper limit of €18,000, a case can be made to the Dean of Graduate Studies, with support from the Supervisor, confirming that the internship is relevant to the research and should be undertaken. If this is approved by the Dean, the student will continue on the research register for the duration of the internship, while the award stipend will not be paid to the student for that period and will be returned to the general Postgraduate Award fund. The income received during this time will not be counted towards the student's overall income for the year.

### 8.12 *Applications*

New entrants to the research register are not required to complete a separate Award

application form. A section on the research application form must be completed in order to be considered for an Award. Nominations are assessed after 1<sup>st</sup> May and late nominations may be considered if places are still available after this date. Candidates are informed of the outcome of their application from June.

### **R. B. MCDOWELL USSHER FELLOWSHIP**

8.13 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**

8.14 *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.

8.15 *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 1<sup>st</sup> December and 1<sup>st</sup> June. Payments, which are made in two instalments, the first soon after registration in September and the second on 1<sup>st</sup> April, will only be made on receipt of satisfactory reports.

### **THE SCHULER USSHER FELLOWSHIP**

8.16 *General*

This Fellowship, funded by Dr Beate Schuler, is awarded to a candidate wishing to pursue research in the School of Chemistry.

8.17 *Conditions*

The total value of the award will be €19,046 per annum for three 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**

8.18 *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**

8.19 *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

8.20 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 honours 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**

- 8.21 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) ALLEN BURKE MEMORIAL PRIZE

- 6) BUSINESS ADMINISTRATIVE BURSARY
- 7) CLUFF MEMORIAL STUDENTSHIP
- 8) CURTIS MEMORIAL PRIZE
- 9) CHRISTOPHER DONOVAN TRANSLATION PRIZE
- 9) ELRINGTON SCHOLARSHIP
- 10) FERGUSON MEMORIAL PRIZE
- 11) FRANZ FASENFELD SCHOLARSHIP
- 12) HENRY FLOOD RESEARCH SCHOLARSHIP
- 13) ROBERT FRIEL PRIZE IN ENGINEERING STRUCTURES
- 14) JOHN GOOD BEQUEST
- 15) TERENCE GORMAN POSTGRADUATE PRIZE
- 16) IRENE GREENE MEMORIAL RESEARCH FUND
- 17) HINCKS MEMORIAL PRIZE
- 18) HOME HEWSON SCHOLARSHIP
- 19) HENRY HUTCHINSON STEWART LITERARY SCHOLARSHIPS
- 20) THE IRISH SOCIETY'S SCHOLARSHIP
- 21) THE DAVE JOHNSTON MEMORIAL FUND
- 22) GRACE LAWLESS LEE FUND
- 23) W. H. A. MACINTOSH PRIZE
- 24) MICROSOFT IRELAND PRIZE
- 25) FRANCES E. MORAN RESEARCH STUDENTSHIP
- 26) R. A. Q. O'MEARA RESEARCH FUND
- 27) OPERATIONS RESEARCH SOCIETY OF IRELAND AWARD
- 28) CLAUDE AND VINCENETTE PICHOS RESEARCH AWARD
- 29) POSTGRADUATE TRAVELLING SCHOLARSHIP IN MEDICINE AND SURGERY
- 30) SARAH PURSER MEDICAL RESEARCH FUND
- 31) SHEPPARD MEMORIAL PRIZE
- 32) E. C. SMITH SCHOLARSHIP IN PATHOLOGY
- 33) STOKES KENNEDY CROWLEY PRIZE
- 34) RICHARD SMYTH EXHIBITION IN TROPICAL MEDICINE
- 35) TECHNICON RESEARCH FELLOWSHIP
- 36) VICTORIA UNIVERSITY SCHOLARSHIP
- 37) WHITE POSTGRADUATE FELLOWSHIP IN IRISH ART HISTORY
- 38) DR JOHN HENRY WHYTE TRUST FUND
- 39) PROFESSOR D.A. WEBB SCHOLARSHIP
- 40) DAN BRADLEY PHD PRIZE IN PHYSICS
- 41) HEFFERNAN BURSARY
- 42) PETER IRONS POSTGRADUATE FELLOWSHIP

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 31<sup>st</sup> 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 p.a.

- 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 1<sup>st</sup> 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) **ALLEN BURKE MEMORIAL PRIZE:** This prize was founded in 2008 to honour the memory of Allen Burke, a Psychology graduate of TCD, who was registered for a postgraduate degree by research when he died in 1977. The prize was founded by Allen's family. It is awarded annually by decision of the Court of Examiners to the student who submits the best dissertation for the postgraduate degree in Counselling Psychology. Value €250.
- 6) **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.
- 7) **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 31<sup>st</sup> July. Value, about €2,285 a year.
- 8) **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 1<sup>st</sup> 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.
- 9) **CHRISTOPHER DONOVAN TRANSLATION PRIZE:** This prize was established in 2009 to honour the memory of Christopher Donovan, a former student of the M.Phil. in Literary Translation. This prize was founded by his family and friends. The prize will be awarded annually, by decision of the Court of Examiners of the M.Phil. in Literary Translation, to the student who submits the best Portfolio of Translation provided that the mark exceeds 70%.
- 9) **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 2010 and every second year. Value, about €3,174.

10) **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 17<sup>th</sup> March in the year of the award. Value, about €1,524.

11) **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.

12) **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.

13) **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.

14) **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.

15) **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.

16) **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.

17) **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 1<sup>st</sup> 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.

18) 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.

19) 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.

20) 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 he/she satisfies the conditions prescribed for the M.Sc. degree and that he/she 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 2<sup>nd</sup> August each year. Value, €152 a year for two years.

21) 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.

22) 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 coursework 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 1<sup>st</sup> April.

23) 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.

24) MICROSOFT IRELAND PRIZE: This award was established in 2003. It is awarded

by decision of the Court of Examiners to the student who submits the best dissertation for the M.Sc. in Technology and Learning. The award will continue to be sponsored by Microsoft Ireland until the academic year 2011 – 2012. The value of the award is €500. In the event of two or more dissertations being judged of equal and sufficient merit, the award may be divided.

25) **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.

26) **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.

27) **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.

28) **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 honours 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 University of Dublin and must engage in full-time research. 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 according to standard College online application procedures 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, Humanities and Social Sciences (as chairperson), the Head of the Discipline of French, and the intended supervisor. 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.

29) **POSTGRADUATE TRAVELLING SCHOLARSHIP IN MEDICINE AND SURGERY:** This scholarship is awarded annually in medicine and surgery in alternate years. The award for 2009 will be in Surgery. 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.

30) **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.

31) 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.

32) 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.

33) 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.

34) 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.

35) 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.

36) 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.

37) **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/](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](mailto:triarc@tcd.ie)).

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.

39) **DAN BRADLEY PHD PRIZE IN PHYSICS:** In memory of Dan Bradley, Professor of Optical Electronics (1980-1984), the School of Physics has established a graduate student prize. This prize is awarded for an exceptional PhD thesis as recommended by the internal examiner following the viva voce examination. The value of the prize is €500.

40) **HEFFERNAN BURSARY:** The Heffernan bursary fund was established in 2003 in memory of Lola Margaret Heffernan through a bequest from her brother, the late Reverend Brendan Heffernan P.P. who was the first Catholic Chaplain to Trinity College Dublin. The income of the fund, to be allocated by the trustees of the fund, is to support such person or persons being in need of financial assistance to enable them to undertake a course of study which would lead to an enhancement of their skills as teachers or principals within the secondary school system. The trustees of the fund are Mr David K. Anderson and Mr John Heffernan. Annual value, €4,000.

41) **PETER IRONS POSTGRADUATE FELLOWSHIP:** This fellowship was established in 2010 in memory of Peter Nicholas Irons, B.A. (1966). It is awarded for the postgraduate study of Irish writers in the English language and is administered by the School of English at Trinity College, Dublin. The Fellowship will be awarded annually and the value of award is €5,000 per year.

## **FOUNDATION AND NON-FOUNDATION SCHOLARSHIPS**

8.22 The full regulations concerning these Scholarships are to be found in the Calendar, Part 1, Section S.

## **EMERGENCY FINANCIAL ASSISTANCE SCHEME**

8.23 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.

8.24 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**

8.25 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 1<sup>st</sup> December, 1<sup>st</sup> March, 1<sup>st</sup> June and 1<sup>st</sup> September) and application must be made in advance of travel.

### **MISCELLANEOUS RESEARCH TRAVEL FUNDS**

8.26 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 €900.

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 Easter 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 1<sup>st</sup> 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 1<sup>st</sup> 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 1<sup>st</sup> 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 1<sup>st</sup> 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 31<sup>st</sup> 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 1<sup>st</sup> 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 (2010) and a maintenance grant (2011) of approximately €2,000. 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 8, Paragraph 8.20 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 two pages in length, are to be made to the Curator of the Herbarium, acting for the Head of the Department of Botany before 1<sup>st</sup> March during the year in which funding is sought.

## 9. POSTGRADUATE DEGREE AND DIPLOMA COURSES - ANNUAL FEES 2012/13

1 The following fees apply to all new entrants on postgraduate courses commencing 2012-13. For continuing students, fees can be obtained from the Fees Office website at [http://www.tcd.ie/Treasurers\\_Office/fees](http://www.tcd.ie/Treasurers_Office/fees). The fees do not include the student Sports Centre charge of €77 or the €8 U.S.I. membership fee (optional). There is a conferring fee of €114 payable by all students for Commencements.

2 The degree of M.Sc. (Ind.) will be conferred upon students who successfully complete the Master in Science research programmes. The degree of M.Sc. (St.) will be conferred upon students who successfully complete taught Master in Science programmes.

3	Euro €	E.U. Euro €	NON-E.U.
B.D.	examination and degree fee	4,750	7,500
D.D.*	examination and degree fee	4,750	7,500
LL.D.*	examination and degree fee	4,750	7,450
Litt.D.*	examination and degree fee	4,750	7,150
Mus.D.*	examination and degree fee	4,750	8,300
Sc.D.*	examination and degree fee	4,750	9,500
M.Ch., M.A.O., and M.D.	examination and degree fee	4,750	9,500
M.Dent.Sc.	examination and degree fee	4,750	9,500
M.A.I. (Ind.)	examination and degree fee	4,750	9,500
M.B.A.	annual fee (full-time) (see note 1)	29,500	29,500
	annual fee (part-time) (see note 1)	15,000	15,000
M.Ed.	annual fee (1 year full-time) (see note 1)	6,370	9,600
	annual fee (2 years part-time, year 1) (see note 1)	4,000	6,000
	annual fee (2 years part-time, year 2) (see note 1)	5,500	8,250
	annual fee (3 years part-time, years 1 and 2) (see note 1)	2,000	3,000
	annual fee (3 years part-time, year 3) (see note 1)	5,500	8,250
M.F.A.	annual fee (full-time) (see note 1)	9,550	17,900
	annual fee (part-time) (see note 1)	4,775	8,950
M.Litt.	annual fee (full-time) (see note 2)	5,250	8,800
	annual fee (part-time) (see note 2)	3,675	6,100
LL.M.	annual fee (see note 1)	8,300	16,600
M.M.	annual fee (full-time) (see note 1)	9,500	19,000
	annual fee (part-time) (see note 1)	7,250	14,500
M.Phil. in Applied Linguistics	annual fee (full-time) (see note 1)	7,250	14,500
	annual fee (part-time) (see note 1)	4,750	8,250
M.Phil. in Children's Literature	annual fee (see note 1)	7,250	12,600
M.Phil. in Classics	annual fee (see note 1)	5,750	11,100
M.Phil. in Comparative Literature	annual fee (see note 1)	5,750	11,500
M.Phil. in Conflict Resolution and Reconciliation	annual fee (full-time) (see note 1)	7,250	12,600
	annual fee (part-time) (see note 1)	4,750	7,500

M.Phil. in Creative Writing	annual fee (see note 1)	7,250	12,600
M.Phil. in Digital Humanities and Culture	annual fee (full-time) (see note 1)	7,250	12,600
	annual fee (part-time) (see note 1)	4,750	7,150
M.Phil. in Early Irish	annual fee (see note 1)	5,750	11,500
M.Phil. in Early Modern History	annual fee (see note 1)	5,750	11,100
M.Phil. in English Language Teaching	annual fee (see note 1)	7,250	14,500
M.Phil. in European Studies	annual fee (see note 1)	5,750	11,500
M.Phil. in Film Theory and History	annual fee (see note 1)	7,250	14,500
M.Phil. in Gender and Women's Studies	annual fee (full-time) (see note 1)	5,750	11,100
	annual fee (part-time) (see note 1)	4,750	7,500
M.Phil. in Intercultural Theology and Interreligious Studies	annual fee (full-time) (see note 1)	7,250	12,602
	annual fee (part-time) (see note 1)	4,750	7,426
M.Phil. in International Peace Studies	annual fee (full-time) (see note 1)	7,250	12,600
	annual fee (part-time) (see note 1)	4,750	7,500
M.Phil. in Irish Art History	annual fee (see note 1)	5,750	11,100
M.Phil. in Irish Writing	annual fee (see note 1)	7,250	12,600
M.Phil. in Linguistics	annual fee (full-time) (see note 1)	7,250	14,500
	annual fee (part-time) (see note 1)	4,750	8,250
	annual fee (see note 1)	5,750	11,500
M.Phil. in Literary Translation	annual fee (see note 1)	5,750	11,500
M.Phil. in Literatures of the Americas	annual fee (see note 1)	7,250	12,600
M.Phil. in Medieval History	annual fee (see note 1)	5,750	11,100
M.Phil. in Medieval Language, Literature and Culture	annual fee (see note 1)	5,750	11,500
M.Phil. in Modern Irish History	annual fee (full-time) (see note 1)	7,250	12,600
	annual fee (part-time) (see note 1)	4,750	7,500
M.Phil. in Music Composition	annual fee (see note 1)	TBC	TBC
M.Phil. in Music and Media Technologies	annual fee (see notes 1 and 5)	7,250	14,500
M.Phil. in Popular Literature	annual fee (see note 1)	7,250	12,600
M.Phil. in Psychoanalytic Studies	annual fee (see note 1)	7,250	14,500
M.Phil. in Public History and Cultural Heritage	annual fee (full-time) (see note 1)	7,250	12,600
	annual fee (part-time) (see note 1)	4,750	7,150
M.Phil. in Race, Ethnicity, Conflict	annual fee (see note 1)	8,750	14,100
M.Phil. in Social Work Research	annual fee (see note 1)	6,000	9,500
M.Phil. in Speech and Language Processing	annual fee (full-time) (see note 1)	7,250	14,500
	annual fee (part-time) (see note 1)	4,750	8,250
M.Phil. in Textual and Visual Studies	annual fee (see note 1)	5,750	11,500
M.Phil. in Theatre and Performance	annual fee (see note 1)	5,750	11,500

M.Sc. (Research)	annual fee (full-time) (see note 2)	6,000	12,000
	annual fee (part-time) (see note 2)	4,200	8,400
M.Sc. in Advanced Radiotherapy Practice	annual fee (see note 1)	4,750	9,500
M.Sc. in Alcohol and Drug Interventions	annual fee (see note 1)	7,250	14,200
M.Sc. in Applied Behaviour Analysis	annual fee (see note 1)	8,750	17,500
M.Sc. in Applied Psychology	annual fee (full-time) (see note 1)	7,250	16,000
M.Sc. in Applied Social Research	annual fee (full-time) (see note 1)	8,750	17,500
	annual fee (part-time) (see note 1)	5,750	11,500
M.Sc. in Biodiversity and Conservation	annual fee (see note 1)	5,750	11,500
M.Sc. in Bioengineering	annual fee (full-time) (see notes 1 and 5)	7,250	14,500
M.Sc. in Biological Psychiatry	annual fee (see note 1)	TBC	TBC
M.Sc. in Biomedical Sciences (intercalated)	annual fee (full-time)	7,250	14,500
	annual fee (year 1 part-time)	4,750	9,500
	annual fee (year 2 part-time)	2,375	4,750
M.Sc. in Business and Management	annual fee (see note 1)	12,500	15,750
M.Sc. in Cancer Care	annual fee (year 1) (see note 1)	7,250	14,500
	annual fee (year 2) (see note 1)	4,750	9,500
M.Sc. in Cardiology	annual fee (part-time) (see note 1)	7,250	14,500
M.Sc. in Cardiovascular Rehabilitation and Prevention	annual fee (full-time) (see note 1)	13,000	26,000
	annual fee (part-time) (see note 1)	7,500	15,000
M.Sc. in Child Protection and Welfare	annual fee (see note 1)	5,750	11,500
M.Sc. in Civil Engineering	annual fee (full-time and year 1 part-time) (see note 1)	5,750	11,500
	annual fee (year 2 part-time) (see note 1)	2,875	5,750
M.Sc. in Clinical Chemistry	annual fee (see note 1)	5,750	11,500
M.Sc. in Clinical Speech and Language Studies	annual fee (full-time) (see note 1)	7,250	14,500
	annual fee (part-time) (see note 1)	4,750	8,250
M.Sc. in Clinical Health Sciences Education	annual fee (see note 1)	7,250	14,500
M.Sc. in Clinical Supervision	annual fee (see note 1)	7,250	14,500
M.Sc. in Cognitive Psychotherapy	annual fee (year 1 part-time) (see note 1)	12,500	25,000
	annual fee (year 2 part-time) (see note 1)	7,250	14,500
M.Sc. in Community Pharmacy	annual fee (see note 1)	4,750	9,500
M.Sc. in Computer Science (Interactive Entertainment Technology)	annual fee (see notes 1 and 5)	5,750	11,500
M.Sc. in Computer Science (Mobile and Ubiquitous Computing)	annual fee (see notes 1 and 6)	5,750	11,500
M.Sc. in Computer Science (Networks and Distributed Systems)	annual fee (see notes 1 and 5)	5,750	11,500

M.Sc. in Dementia	annual fee (full-time) (see note 1)	9,500	17,500
	annual fee (year 1 part-time) (see note 1)	6,500	13,000
	annual fee (year 2 part-time) (see note 1)	4,750	9,500
M.Sc. in Disability Studies	annual fee (full-time) (see note 1)	9,000	13,500
	annual fee (part-time) (see note 1)	5,750	9,250
M.Sc. in Drug and Alcohol Policy	annual fee (see note 1)	7,250	14,500
M.Sc. in Economic Policy Studies	annual fee (see note 1)	10,000	15,200
M.Sc. in Environment and Development	annual fee (see note 1)	5,750	11,500
M.Sc. in Environmental Sciences	annual fee (see note 1)	5,750	11,500
M.Sc. in Exercise Physiology	annual fee (part-time) (see note 1)	7,250	14,500
M.Sc. in Finance	annual fee (full-time) (see note 1)	13,250	16,500
	annual fee (part-time) (see note 1)	7,500	9,000
M.Sc. in Gerontological	annual fee (year 1 part-time) (see note 1)	5,750	13,000
Nursing	annual fee (year 2 part-time) (see note 1)	4,750	9,500
M.Sc. in Global Health	annual fee (full-time) (see note 1)	8,750	17,500
	annual fee (part-time) (see note 1)	5,750	11,500
M.Sc. in Health Informatics	annual fee (part-time) (see notes 1 and 5)	5,750	11,500
M.Sc. in Health Services Management	annual fee (see note 1)	7,250	14,500
M.Sc. in Healthcare Infection Management	annual fee (full-time) (see note 1)	7,250	14,500
	annual fee (part-time) (see note 1)	4,750	9,500
M.Sc. in High Performance Computing	annual fee (see note 1)	5,750	11,500
M.Sc. in Hospital Pharmacy	annual fee (see note 1)	4,250	8,500
M.Sc. in Immunology	annual fee (see note 1)	7,250	14,500
M.Sc. in Interactive Digital Media	annual fee (see notes 1 and 5)	5,750	11,500
M.Sc. in International Management	annual fee (full-time) (see note 1)	14,250	17,500
	annual fee (part-time) (see note 1)	8,250	9,750
M.Sc. in International Politics	annual fee (full-time) (see note 1)	10,070	15,600
	annual fee (part-time) (see note 1)	7,250	10,875
M.Sc. in Management of Information Systems	annual fee (see note 1)	4,000	8,000
M.Sc. in Mechanical Engineering (Erasmus Mundus)	annual fee (see note 4)	8,750	11,000
M.Sc. in Medical Imaging	annual fee (see note 1)	4,750	9,500
M.Sc. in Mental Health	annual fee (full-time) (see note 1)	8,750	17,500
	annual fee (part-time) (see note 1)	4,750	9,500
M.Sc. in Midwifery	annual fee (full-time) (see note 1)	8,750	17,500
	annual fee (part-time) (see note 1)	4,750	9,500
M.Sc. in Molecular Medicine	annual fee (full-time) (see note 1)	7,250	14,500
	annual fee (part-time) (see note 1)	4,750	9,500
M.Sc. in Molecular Pathology	annual fee (full-time) (see note 1)	7,000	14,000
	annual fee (part-time) (see note 1)	4,750	9,500
M.Sc. in Neuroscience	annual fee (full-time) (see note 1)	8,750	17,500
	annual fee (part-time) (see note 1)	4,750	9,500

M.Sc. in Nursing	annual fee (full-time) (see note 1)	8,750	17,500
	annual fee (part-time) (see note 1)	4,750	9,500
M.Sc. in Nursing	annual fee (year 1 part-time)		
(specialist strand)	(see note 1)	6,500	13,500
	annual fee (year 2 part-time)		
	(see note 1)	4,750	9,500
M.Sc. in Occupational Therapy	annual fee (see note 1)	4,750	9,500
M.Sc. in Palliative Care	annual fee (see note 1)	4,750	9,500
M.Sc. in Pharmaceutical Analysis	annual fee (full-time) (see note 1)	8,750	17,500
	annual fee (part-time) (see note 1)	5,750	11,500
M.Sc. in Pharmaceutical Manufacturing Technology	annual fee (see note 1)	9,200	9,200
M.Sc. in Pharmaceutical Medicine	annual fee (see note 1)	4,750	9,500
M.Sc. in Pharmaceutical Technology	annual fee (full-time) (see note 1)	8,750	17,500
M.Sc. in Physical Sciences in Medicine	annual fee (full-time) (see note 1)	7,000	14,000
	annual fee (part-time) (see note 1)	4,750	9,500
M.Sc. in Political Science	annual fee (full-time) (see note 1)	8,750	14,100
	annual fee (part-time) (see note 1)	5,750	8,750
M.Sc. in Psychoanalytic Psychotherapy	annual fee (part-time) (see note 1)	7,250	14,500
M.Sc. in Psychology (Applied Behaviour Analysis)	annual fee (see note 1)	8,750	17,500
M.Sc. in Respiratory Physiotherapy	annual fee (see note 1)	7,250	14,500
M.Sc. in Sports and Exercise Medicine	annual fee (see note 1)	9,700	19,400
M.Sc. in Technology and Learning	annual fee (part-time)		
	(see notes 1 and 5)	5,750	11,500
M.Sc. in Translational Oncology	annual fee (full-time) (see note 1)	7,500	15,000
	annual fee (part-time) (see note 1)	4,750	9,500
M.Sc. (Econ.)	annual fee (full-time) (see note 1)	9,300	13,950
	annual fee (part-time) (see note 1)	7,250	10,875
M.Sc. (Mgmt) in Business Administration	annual fee	17,500	17,500
M.Sc. (Mgmt) in International Business	annual fee	18,500	18,500
M.Sc. (Mgmt) in Strategic Management	annual fee	17,500	17,500
M.St.	annual fee (see note 1)	5,750	11,100
M.S.W.	annual fee (see note 1)	7,250	14,200
M.Th.	annual fee payable to the Church of Ireland Theological Institute (Please see the Institute for further fee details)		
Masters in Development Practice	annual fee (see note 1)	10,000	17,000
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 (full-time) (see note 2)	5,250	8,800
	annual fee (part-time) (see note 2)		
	(see note 7)	3,675	6,100

Ph.D. in the Faculties of and Science, Health Sciences, the Department of Clinical Speech and Language Studies and the School of Psychology	annual fee (full-time) (see note 2) Engineering, Mathematics annual fee (part-time) (see note 2) (see note 7)	6,000 4,200	12,000 8,400
Ph.D. in Molecular Medicine	annual fee (see note 2)	5,750	11,500
Ph.D. in Neuroscience	annual fee (see note 2)	5,750	11,500
Ph.D. in Political Science	annual fee (see note 2)	5,250	8,800
D.Clin.Psych.	annual fee (see note 1)	13,953	16,500
D.Ch.Dent.	annual fee (see note 1)	21,000	42,000
D.Ed.	annual fee (years 1-3) (see note 1) annual fee (years 4-5) (see note 1)	6,000 5,373	7,200 10,747
Doctorate in Counselling Psychology	annual fee (see note 1)	12,500	18,500
Thesis revision fee (Arts, Humanities and Social Sciences)	one year (see note 3)	1,853	1,853
Thesis revision fee (Engineering, Mathematics and Science)	one year (see note 3)	2,174	2,174

## Notes

- \* No fee for eligible members of staff.
- 1 Students who do not complete their postgraduate taught course in the required time will have to re-register and pay full annual fees in the continuing year(s).
- 2 Students entering the third and subsequent years on the M.Sc. (by research) and M.Litt. registers and the fifth and subsequent years on the Ph.D. register will be required to pay full annual fees. 50 per cent fee remission granted when thesis submission is made by 1 March (by 1 September for April registrants).
- 3 Where the revised thesis is submitted within six months of the original thesis submission date a reduced fee of €1,160 will be payable.
- 4 Students on this course pay the annual fee only for the year spent in Trinity College.
- 5 A reduced fee of €2,750 may be payable by an E.U. student under the Higher Education Authority's graduate skills conversion programme. Please contact the Graduate Studies Office for further details.
- 6 A reduced fee of €2,750 may be payable by an E.U. student under the Higher Education Authority's IT investment technology fund. Please contact the Graduate Studies Office for further details.
- 7 Students on the part-time register who leave before they have completed six years on the register will be required to pay the difference in fees between the total part-time fees they have already paid and the equivalent full-time fee that they would have been charged during that time on the register, up to a maximum of the four years full-time fee.

## POSTGRADUATE DIPLOMA AND HIGHER DIPLOMA FEES

- 1 The fees shown below do not include the student Sports Centre charge of €77 or the €8 U.S.I. membership fee (optional).

	E.U.	NON-E.U.	
	Euro €	Euro €	
Applied behaviour analysis	annual fee	7,500	9,250
Applied building repair and conservation	annual fee	5,000	10,000
Certificate in nursing (nurse/midwife prescribing)	annual fee	5,000	TBC
Child protection and welfare	annual fee <sup>1</sup>	6,700	10,050
Clinical dental technology	annual fee	10,000	20,000
Clinical dentistry	annual fee	1,500	3,000

Clinical speech and language studies (dysphagia)	annual fee	4,750	8,250
Cognitive psychotherapy	annual fee	9,750	19,500
Community pharmacy	annual fee	4,750	9,500
Conflict and dispute resolution studies	annual fee	6,000	7,400
Conscious sedation in dentistry	annual fee	7,250	14,500
Construction law and contract administration	annual fee	6,500	13,000
Environmental engineering	annual fee	5,000	10,000
Fire safety practice (buildings and other structures)	annual fee	5,000	10,000
Gynaecology and obstetrics	annual fee <sup>2</sup>	4,750	9,500
Health and safety in construction	annual fee	4,750	9,500
Higher diploma in children's nursing	annual fee	12,370	12,370
Higher diploma in midwifery	fee	17,308	17,308
Higher diploma in psychology	annual fee (year 1)	9,500	18,450
	annual fee (year 2)	9,224	18,450
Molecular medicine	annual fee	4,750	9,500
Music and media technologies	annual fee <sup>3</sup>	7,250	14,500
Old Irish	annual fee	5,750	9,250
Pharmaceutical manufacturing technology	annual fee	9,200	9,200
Pharmaceutical medicine	annual fee (year 1)	4,750	9,500
	annual fee (year 2)	4,250	8,500
Professional diploma in education	annual fee	5,750	8,500
Project management	annual fee	4,750	9,500
Special care dentistry	annual fee	10,000	20,000
Statistics	annual fee	4,000	8,000
Sustainable energy	annual fee	5,750	11,500

## Footnotes

1 There may be a 33 per cent reduction for students employed by an agency funded by the Department of Health and Children.

2 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.

3 A reduced fee of €2,750 may be payable by an E.U. student under the Higher Education Authority's graduate skills conversion programme. Please contact the Graduate Studies Office for further details.

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