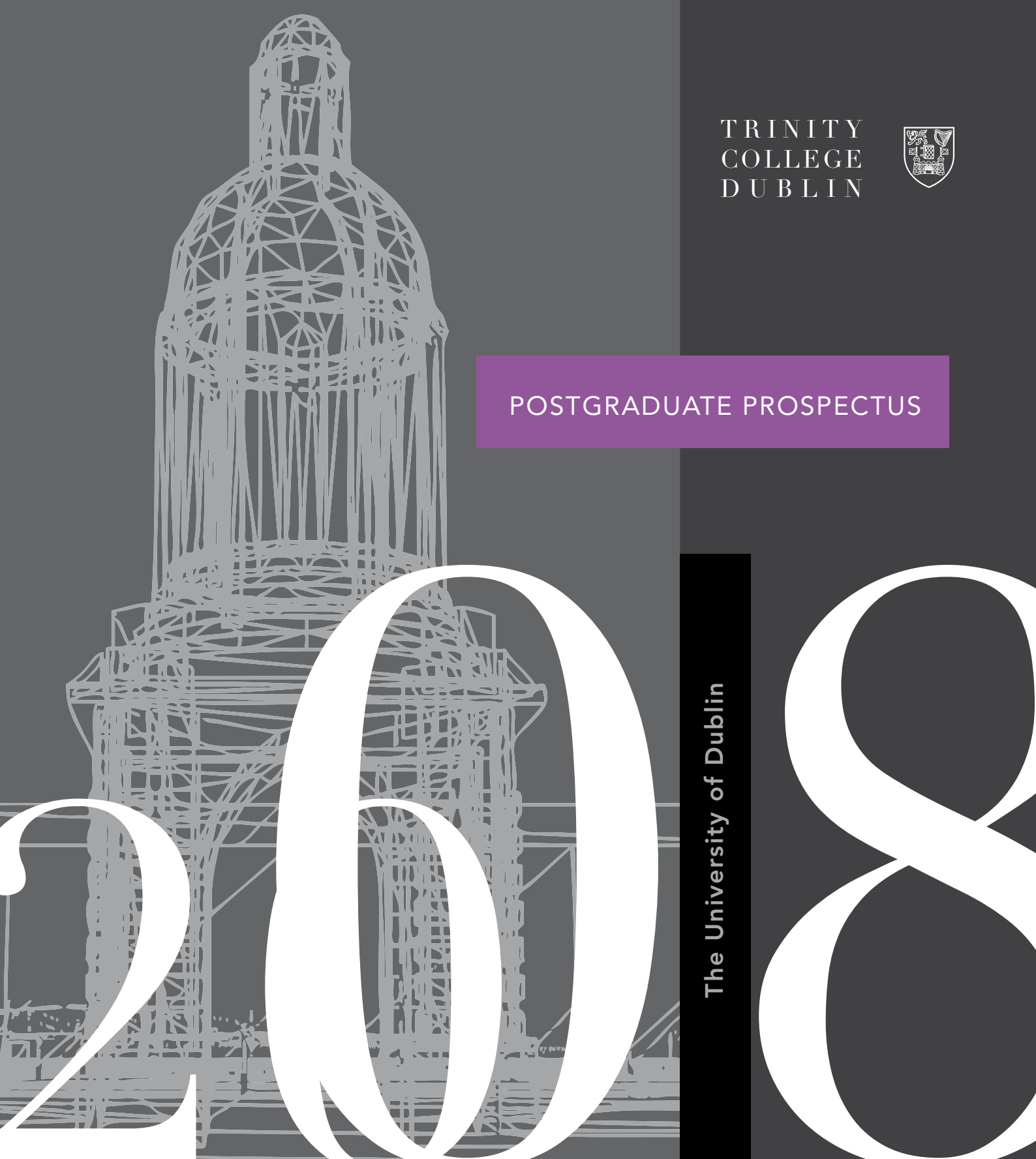


TRINITY  
COLLEGE  
DUBLIN



POSTGRADUATE PROSPECTUS

The University of Dublin



# A Message from the Dean of Graduate Studies

Trinity College Dublin is a university with a long and distinguished reputation in research and scholarship. However, to our prospective students, it will be our present standing as a high-ranking centre of learning, and as Ireland's leading university, that will be most important.

Almost one in three students in Trinity is a postgraduate and one in ten is reading for a doctorate degree. If you come to Trinity you will be part of this vibrant research community, located in the heart of Dublin city but relying on an international perspective to drive research and teaching across many disciplines.

In this publication you can see just how broad the opportunities are, and find information about courses and research opportunities.

We welcome applications from well-qualified graduates from anywhere in the world – please feel free to contact the graduate course directors, or the Graduate Studies Office, for further information.

A handwritten signature in black ink, appearing to read 'C. O'Sullivan'.

**Professor Carol Ann O'Sullivan**

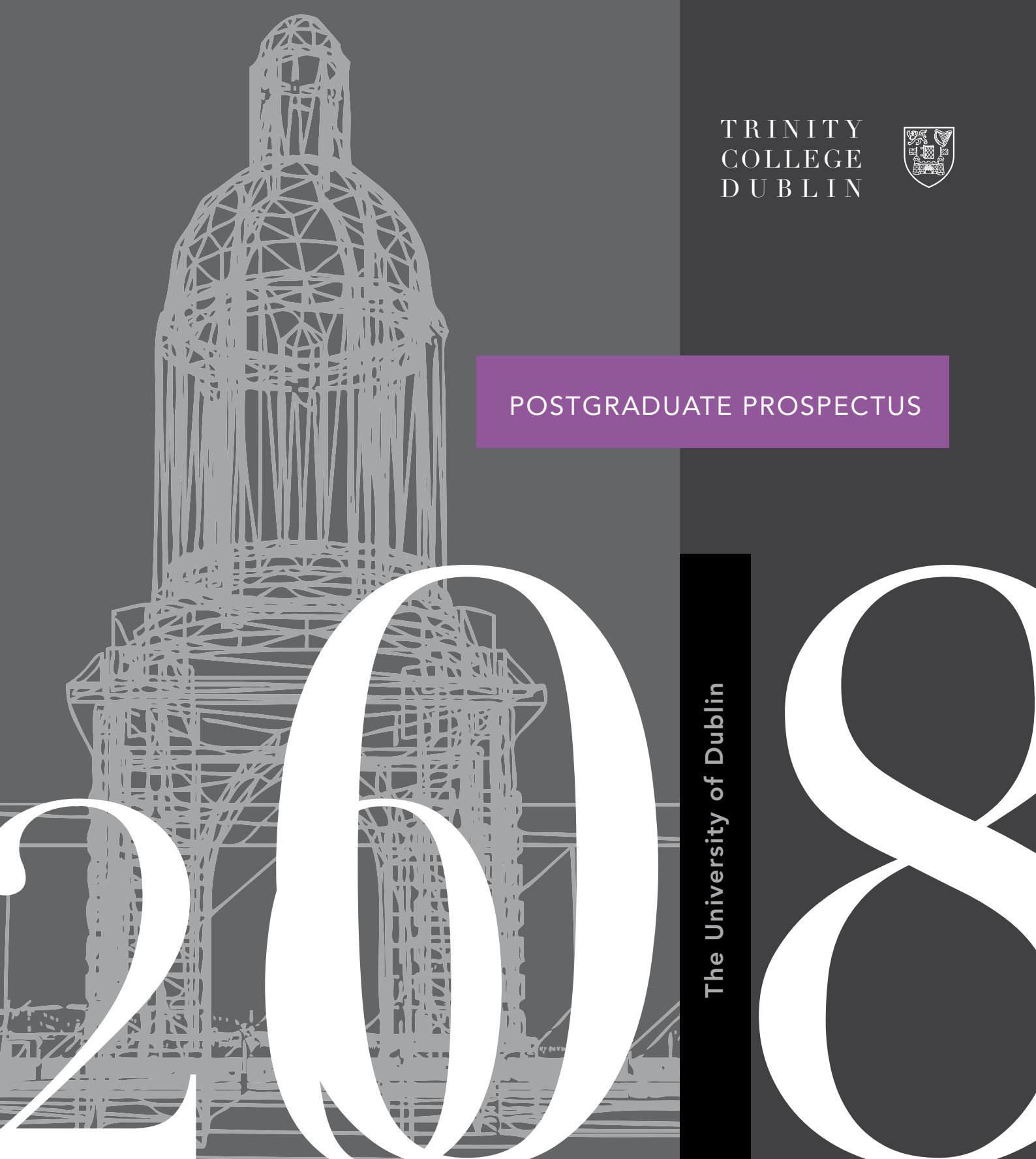
*Dean of Graduate Studies*

TRINITY  
COLLEGE  
DUBLIN



POSTGRADUATE PROSPECTUS

The University of Dublin





# The College's Mission

"Trinity College builds on its four-hundred-year-old tradition of scholarship to confirm its position as one of the great universities of the world, providing a liberal environment where independence of thought is highly valued and where staff and students are nurtured as individuals and are encouraged to achieve their full potential.

The College is committed to excellence in both research and teaching, to the enhancement of the learning experience of each of its students and to an inclusive College community with equality of access for all. The College will continue to disseminate its knowledge and expertise to the benefit of the City of Dublin, the country and the international community."

*Strategic Plan 2003-2008*



# contents

Graduate Studies Office	8	Master in Education (M.Ed.)	46
<b>INTRODUCTION</b>	<b>10</b>	Master of Studies (M.St.)	47
The Country, the City, and the University	12	<b>M.Sc. Courses</b>	<b>47</b>
The University and its Central Facilities	14	Technology and Learning	47
Other College Services	18	<b>Postgraduate Diplomas</b>	<b>48</b>
Postgraduate Study in Trinity College	22	Continuing Professional Development	48
Costs and Funding	26	Education (Secondary Teaching)	49
International Students	28	<b>Higher Diplomas</b>	<b>50</b>
Travel, Visas, Accommodation	30	Higher Diploma in Education (Primary Teaching)	50
Academic Year, Registration, Orientation	32	SCHOOL OF ENGLISH	51
<b>ARTS, HUMANITIES AND SOCIAL SCIENCES</b>	<b>34</b>	<b>M.Phil. Courses</b>	<b>52</b>
SCHOOL OF BUSINESS	36	Anglo Irish Literature	52
<b>Named Degree Courses</b>	<b>38</b>	Creative Writing	53
Master in Business Administration (M.B.A.)	38	Literatures of the Americas	53
Master in Management (M.Sc. (Mgmt.))	39	Popular Literature	54
- Business Administration Programme	39	SCHOOL OF HISTORIES AND HUMANITIES	55
- International Business Programme	39	<b>Named Degree Courses</b>	<b>56</b>
- Management Practice Programme	39	Doctorate in Texts, Contexts, Cultures (Ph.D.)	56
- Organisational Behaviour Programme	40	<b>M.Phil. Courses</b>	<b>56</b>
- Strategic Management Programme	40	Gender and Women's Studies	56
<b>Postgraduate Diplomas</b>	<b>40</b>	Irish Art History	57
Management	40	Medieval History	58
SCHOOL OF DRAMA, FILM AND MUSIC	41	Modern Irish History	59
<b>M.Phil. Courses</b>	<b>42</b>	Reformation and Enlightenment Studies	60
Film Theory and History	42	SCHOOL OF LANGUAGES, LITERATURES AND CULTURAL STUDIES	61
Music and Media Technologies	42	<b>M.Phil. Courses</b>	<b>62</b>
Theatre and Performance	42	Comparative Literature	62
<b>Postgraduate Diplomas</b>	<b>43</b>	Early Irish	63
Music and Media Technologies	43	German Literature with Language Pedagogy	63
SCHOOL OF EDUCATION	45	Literary Translation	64
<b>Named Degree Courses</b>	<b>46</b>	Medieval Language, Literature and Culture	64
Professional Doctorate in Education (D.Ed.)	46	Textual and Visual Studies	65
		<b>Postgraduate Diplomas</b>	<b>66</b>

Old Irish	66	Master in Philosophy (Peace Studies)	
SCHOOL OF LAW	67	(M. Phil. (Peace Studies))	85
<b>Named Degree Courses</b>	<b>68</b>	Reconciliation Studies	86
Master in Laws (LL.M.)	68	<b>Postgraduate Diplomas</b>	<b>87</b>
SCHOOL OF LINGUISTIC, SPEECH AND COMMUNICATION SCIENCES	69	Conflict and Dispute Resolution Studies	87
<b>M.Sc. Courses</b>	<b>70</b>	SCHOOL OF SOCIAL SCIENCES AND PHILOSOPHY	88
Clinical Speech and Language Studies	70	<b>Named Degree Courses</b>	<b>89</b>
<b>M.Phil. Courses</b>	<b>71</b>	Doctorate in Political Science (M.Phil./Ph.D.)	89
English Language Teaching	71	<b>M.Sc. Courses</b>	<b>90</b>
Linguistics	72	Economic Policy Studies	90
Applied Linguistics	72	Economics	90
Speech and Language Processing	72	<b>M.Phil. Courses</b>	<b>91</b>
<b>Postgraduate Diplomas</b>	<b>73</b>	Ethnic and Racial Studies	91
Clinical Speech and Language Studies (Dysphagia)	73	Psychoanalytic Studies	92
SCHOOL OF PSYCHOLOGY	74	SCHOOL OF SOCIAL WORK AND SOCIAL POLICY	93
<b>Named Degree Courses</b>	<b>76</b>	<b>Named Degree Courses</b>	<b>94</b>
Doctor in Clinical Psychology (D.Clin.Psych.)	76	Master in Social Work (M.S.W.)	94
<b>M.Sc. Courses</b>	<b>77</b>	<b>M.Sc. Courses</b>	<b>95</b>
Applied Psychology	77	Applied Social Research	95
Clinical Supervision (Psychology)	77	Child Protection and Welfare	95
Counselling Psychology	78	Drug and Alcohol Policy	96
<b>Postgraduate Diplomas</b>	<b>79</b>	<b>M.Phil. Courses</b>	<b>96</b>
Applied Behaviour Analysis	79	Social Work Research	96
Clinical Supervision (Psychology)	80	<b>Postgraduate Diplomas</b>	<b>96</b>
<b>Higher Diplomas</b>	<b>80</b>	Child Protection and Welfare	97
Higher Diploma in Psychology	80		
SCHOOL OF RELIGIONS, THEOLOGY AND ECUMENICS	81	<b>ENGINEERING, MATHEMATICS AND SCIENCE</b>	<b>100</b>
<b>Named Degree Courses</b>	<b>83</b>	SCHOOL OF BIOCHEMISTRY AND IMMUNOLOGY	102
Bachelor in Divinity (B.D.)	83	SCHOOL OF CHEMISTRY	103
<b>M.Phil. Courses</b>	<b>84</b>	<b>M.Sc. Courses</b>	<b>104</b>
Master in Philosophy (Ecumenical Studies) (M.Phil. (Ecum.))	84		

# contents

Chemical and Biological Techniques	104	<b>Postgraduate Diplomas</b>	<b>120</b>
SCHOOL OF COMPUTER SCIENCE AND STATISTICS	105	Applied Building Repair and Conservation	120
<b>M.Sc. Courses</b>	<b>106</b>	Construction Law and Contract Administration	120
Computer Science (Interactive Entertainment Technology)	106	Environmental Engineering	121
Computer Science (Mobile and Ubiquitous Computing)	107	Fire Safety Practice (Buildings and Other Structures)	121
Computer Science (Networks and Distributed Systems)	107	Health and Safety in Construction	122
Health Informatics (jointly with School of Medicine)	108	Highway and Geotechnical Engineering	122
Management of Information Systems	108	Physical Planning	123
Multimedia Systems	109	Project Management	123
Technology and Learning	109	SCHOOL OF GENETICS AND MICROBIOLOGY	124
<b>Postgraduate Diplomas</b>	<b>110</b>	SCHOOL OF MATHEMATICS	126
Computer Science (Mobile and Ubiquitous Computing)	110	<b>M.Sc. Courses</b>	<b>128</b>
Health Informatics (jointly with School of Medicine)	111	High Performance Computing	128
Specialised Technology	112	SCHOOL OF NATURAL SCIENCES	129
Statistics	112	<b>M.Sc. Courses</b>	<b>130</b>
Continuing Education Programme in Statistics	113	Biodiversity and Conservation	130
SCHOOL OF ENGINEERING	114	Environmental Sciences	130
<b>Named Degree Courses</b>	<b>116</b>	SCHOOL OF PHYSICS	132
Master in Engineering (M.A.I.)	116	<b>HEALTH SCIENCES</b>	<b>134</b>
Master in Engineering (M.A.I.) Recurrent Education	116	SCHOOL OF DENTAL SCIENCE	136
<b>M.Sc. Courses</b>	<b>117</b>	<b>Named Degree Courses</b>	<b>137</b>
Bioengineering	117	Doctorate in Dental Surgery (D.Dent.Ch.)	137
Civil Engineering	117	■ Oral Surgery	137
Integrated Systems Design	118	■ Orthodontics	137
Mechanical Engineering – Erasmus Mundus	118	■ Paediatric Dentistry	138
<b>M.Phil. Courses</b>	<b>119</b>	■ Periodontics	138
Music and Media Technologies	119	■ Prosthodontics	139
		■ Special Care Dentistry	139
		Master in Dental Science (M.Dent.Sc.)	140
		<b>Postgraduate Diplomas</b>	<b>140</b>
		Clinical Dentistry	140
		Conscious Sedation in Dentistry	141



SCHOOL OF MEDICINE	142	Magnetic Resonance Imaging Technology	162
<b>Named Degree Courses</b>	<b>143</b>	Molecular Medicine	162
Doctorate in Molecular Medicine (M.Sc./Ph.D.)	143	Nuclear Medicine	163
Doctorate in Neuroscience (M.Sc./Ph.D.)	144	Pharmaceutical Medicine	164
Doctor in Medicine (M.D.)	145	SCHOOL OF NURSING AND MIDWIFERY	165
Master in Obstetrics (M.A.O.)	145	<b>M.Sc. Courses</b>	<b>166</b>
Master in Surgery (M.Ch.)	146	Gerontological Nursing	166
<b>M.Sc. Courses</b>	<b>146</b>	Mental Health	167
Cardiac Rehabilitation	146	Midwifery	168
Cardiology	147	Nursing	168
Child and Adolescent Psychoanalytic Psychotherapy	147	Palliative Care	169
Clinical Chemistry	148	<b>Postgraduate Diplomas</b>	<b>170</b>
Global Health	148	Clinical Health Sciences Education	170
Health Informatics (jointly with School of Computer Science & Statistics)	149	Oncological Nursing	171
Health Services Management	149	Specialist Nursing	171
Mammalian Cell Physiology	150	<b>Higher Diplomas</b>	<b>173</b>
Medical Imaging	150	Children's Nursing	173
Molecular Medicine	151	Midwifery	174
Molecular Pathology	152	SCHOOL OF PHARMACY AND PHARMACEUTICAL SCIENCES	175
Neuroscience	153	<b>M.Sc. Courses</b>	<b>176</b>
Occupational Therapy	153	Hospital Pharmacy	176
Paediatrics	154	Pharmaceutical Analysis	176
Pharmaceutical Medicine	154	Pharmaceutical Technology	178
Physical Sciences in Medicine	155	<b>Postgraduate Diplomas</b>	<b>178</b>
Psychoanalytic Psychotherapy	157	Community Pharmacy	178
Sports and Exercise Medicine	158	Pharmaceutical Manufacturing Technology	179
<b>Postgraduate Diplomas</b>	<b>158</b>	<b>Postgraduate Degree Course Fees</b>	<b>183</b>
Clinical Engineering (Equipment Management)	158	<b>Postgraduate Diploma and Higher Diploma Course Fees</b>	<b>189</b>
Cognitive Psychotherapy	159	<b>Alphabetical Index to Postgraduate Courses</b>	<b>192</b>
Exercise Physiology	160	<b>Map of Campus</b>	<b>196</b>
Gynaecology and Obstetrics	161		
Health Informatics	161		

# graduate studies office

The office has overall responsibility for the registration, monitoring of academic progress and welfare of postgraduate students throughout the University. It is situated in the Arts Building on the main campus, and is open from 10am to 12pm and 2pm to 4pm, Monday to Friday. Further information can be obtained from our website [www.tcd.ie/Graduate\\_Studies](http://www.tcd.ie/Graduate_Studies).

## DEAN OF GRADUATE STUDIES

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

## OFFICE ADMINISTRATORS

Ewa Sadowska M.Phil. (Warsaw), M.Litt., Dip.B.St. (N.C.E.A.)  
Helen Thornbury B.A. (D.C.U.), M.A. (N.U.I.)  
Niamh Lynch B.A. (N.U.I.), H.Dip.Ed. (N.U.I.), M.A. (D.C.U.)  
Dimitrios Paraskevas, B.Sc. (Thessaloniki), M.Sc. (T.C.D.)

## ENQUIRIES AND CORRESPONDENCE

General public enquiries:

*Email:* [gradinfo@tcd.ie](mailto:gradinfo@tcd.ie)

*Telephone:* +353-1-896 1166

Specific enquiries during admission to taught postgraduate courses:

8 *Email:* [taught.admissions@tcd.ie](mailto:taught.admissions@tcd.ie)

*Telephone:* +353-1-896 2182

Specific enquiries during admission to postgraduate research programmes:

*Email:* [research.admissions@tcd.ie](mailto:research.admissions@tcd.ie)

*Telephone:* +353-1-896 3354

Graduate Studies Office

Arts Building

Trinity College

Dublin 2

Ireland

*Fax:* +353-1-671 2821

An application form, obligatory for admission to all research and taught programmes can be obtained from the Graduate Studies Office by post, or alternatively downloaded from: [www.tcd.ie/Graduate\\_Studies/prospectivestudents/howtoapply/apply/index.php](http://www.tcd.ie/Graduate_Studies/prospectivestudents/howtoapply/apply/index.php)

Additional application forms are required for these courses:

- Doctor in Medicine (M.D.)
- Master in Dental Science (M.Dent.Sc.)
- Master in Obstetrics (M.A.O.)
- Master in Social Work (M.S.W.)
- Master in Surgery (M.Ch.)
- Postgraduate Diploma in Gynaecology and Obstetrics
- All nursing courses

Check with course co-ordinators for further details.

Incomplete applications will not be processed. Please note that unsuccessful applications will not be returned or retained. It is the Graduate Studies Office policy to destroy unsuccessful applications after 1 June of the academic year into which entry was applied for.

All information in this publication is accurate at the time of printing. Changes of courses, options, fees and dates may occur between printing and October 2008. In addition, factors such as the unexpected unavailability of staff, or a level of application below that which is minimally required to allow a course to run, may make it practically impossible, or prohibitively expensive for the University to offer an option listed in this publication. Any offer of a place made to you is subject to your consenting to the incorporation of this notice as a term of any such offer.

All applicants should make all reasonable effort prior to registration to ensure that the course/programme they are registering for meets their expectations, by contacting the relevant course co-ordinator or prospective supervisor/ research director.

The information set on these pages is intended as a guide only and shall not be deemed to form a contract between the College and an applicant or any third party.

# introduction



# introduction



i

**THE COUNTRY, THE CITY,  
AND THE UNIVERSITY**

**THE UNIVERSITY AND  
ITS CENTRAL FACILITIES**

**OTHER COLLEGE SERVICES**

**POSTGRADUATE STUDY IN  
TRINITY COLLEGE**

**COSTS AND FUNDING**

**INTERNATIONAL STUDENTS**

**TRAVEL, VISAS,  
ACCOMMODATION**

**ACADEMIC YEAR, REGISTRATION,  
ORIENTATION**

# The Country, the City and the University

## THE COUNTRY

The Republic of Ireland has a population of just over 4 million, with Dublin, its capital city, having a population of nearly 1.3 million. With a land area of around 70,000 square kilometres, it is one of the least densely populated countries in the European Union. The country enjoys a relatively mild climate with average monthly temperatures ranging from 7°C (45°F) in January to 19°C (66°F) in July.

## THE CITY

Dublin has a full and varied cultural and intellectual life. The recently expanded and upgraded National Museum situated in Collin's Barracks displays unique Celtic Bronze Age and Early Christian artefacts, which reflect both the country's wealth in gold at this period, and the artistic sophistication of the early Irish craftsmen. The National Gallery of Ireland, whose newest extension 'The Millennium Wing', opened in 2002, is considered one of the best small galleries in Europe; and the National Library has exquisite collections of manuscript, photographic and other printed material. Both museum and gallery, flanking the seat of the Irish parliament, are within a few hundred yards of Trinity College.

12

A particular feature of Dublin life is the tradition of live music in every conceivable venue, from street busking to the National Concert Hall – not forgetting the singing pubs, where traditional music still flourishes.

With one of the youngest populations of Europe's major cities, Dublin offers an unusually congenial atmosphere for students. While the economic upsurge of recent years has brought a proliferation of fashionable boutiques and expensive restaurants, there are also second-hand bookshops, street markets, fast food outlets and ethnic eateries of all kinds, many located in the bohemian Temple Bar area not far from College.

## THE UNIVERSITY

Trinity College was founded in 1592 and is the single constituent college of the University of Dublin. Trinity College and the University of Dublin are effectively synonymous – Trinity College is *mater universitas* according to the founding statutes. Trinity College is the oldest university in Ireland and one of the oldest in Europe. The site for the University, the ancient monastery of All Hallows, was handed over to the new College by Dublin Corporation; the first Fellows and Scholars were appointed in 1594 and since then Trinity College has ensured a continuous tradition of scholarship and learning in the heart of Dublin.

The west end of the campus includes five quadrangles or squares with many buildings from the 18th century, notably the Old Library – home to the priceless 9th century manuscript, The Book of Kells. The most recent of these squares is Fellows' Square formed by the Long Room, the Arts Building, and the Berkeley Library. Further east, the recently built Hamilton, O'Reilly, and Lloyd buildings, house many of Trinity's science and technology areas and complement the recently completed Dental Hospital. Between the two built-up ends of College, the College Park with its sports fields remains one of the largest green spaces in the city where rugby and cricket are often played.

Though long established, Trinity College has maintained a strong tradition in scholarship and research which adapts effectively to the needs of successive generations. Many of the famous people of Irish letters and history were educated at Trinity including writers such as Jonathan Swift, Oliver Goldsmith, Oscar Wilde and Samuel Beckett. Ireland's first President, Douglas Hyde, previous President, Mary Robinson and the current President, Mary McAleese were all either educated in Trinity College or were on the staff of the College or both. No stranger to controversy, Trinity has often provided an independent and liberal voice in the affairs of the state.

Most academic activity is concentrated in the main College campus. However, recent developments have allowed expansion of the Health Sciences off-campus, in two major locations – St. James’s Hospital and The Adelaide and Meath Hospital Dublin, incorporating the National Children’s Hospital in Tallaght.

The vigour of any university must be judged by its commitment to research. In the early 21st century, this often takes the form of partnership with major international companies or of inter-institutional cooperation within the framework of programmes of the European Union, and in both Trinity is in a leading position in Ireland. In recent years, investments under the Programme for Research in Third Level Institutions (PRTL), and by Science Foundation Ireland, have resulted in the formation of many new research institutes and centres. Particular highlights include Trinity securing major funding for the humanities to deliver the Trinity Long Room Hub initiative, funded under the national collaborative programme ‘Humanities Serving Irish Society’ and a significant capital investment in the Centre for Research on Adaptive Nanostructures & Nanodevices (CRANN) and Nanoscience research in TCD as part of the ‘Nanoscience and Nanoscale Technologies for Ireland’ programme. Cycle 4 of PRTL will support infrastructure development and graduate education programmes for Trinity and will facilitate further inter-institutional collaborations across the island of Ireland.





# The University and its Central Facilities

The University is governed by the Board, chaired by the Provost who is elected for a period of 10 years. The University Council, also chaired by the Provost, governs academic matters. The current Provost, Dr John Hegarty, formerly a member of the School of Physics, was elected in 2001.

## THE UNIVERSITY LIBRARY

The University Library is one of the largest in Europe, with a bookstock of over 4.25 million volumes and extensive collections of manuscripts, maps and music, having been built up since the end of the sixteenth century. There is a collection of some 25,000 core academic journals available online in full text, along with key discovery tools and over 200,000 electronic books. As a Legal Deposit library, it enjoys the privilege of receiving all Irish and UK publications – a right it has had since 1801.



Completed in 1732, the Old Library building contains the Departments of Early Printed Books, Manuscripts and areas open to the public: the Long Room, the Treasury, and the Colonnades Exhibition Area.

The Berkeley, Lecky and Ussher (BLU) Library complex, (1967 - 2002), contains the main administrative offices, and print collection for Business, Economics, Social Studies, Arts and Nursing Studies. It also houses the Music, Law and Official Publications collections. The BLU Library is equipped with electronic data connections at most study places. Study carrels for research students are available in the complex and can be reserved.

The 1937 Postgraduate Reading Room was opened in November 2003, for use by research students.

The Library is of crucial importance to research, as a result of the richness of its print and manuscript resources and its comprehensive access to electronic information. The staff provide specific support for postgraduates through its teams of Subject Librarians and provide a wide range of courses in Information Skills and on specific resource discovery tools.

The Department of Early Printed Books has responsibility for over 300,000 volumes printed before 1901 and for certain modern collections – notably Anglo-Irish literature (including authors such as Jonathan Swift, William Congreve, George Farquar and Oliver Goldsmith) and modern private press collections.

The Department of Manuscripts contains the largest collection of manuscript material in Ireland. The Book of Kells, perhaps the supreme example of early medieval art, is housed in the Old Library. Written around the year 800 AD, it is one of the most beautifully illuminated manuscripts in the world. The manuscript was given to Trinity College in the 17th century and since 1953 is currently one of the most-visited tourist attractions in Ireland.



The Map Library collection contains approximately 600,000 maps, mainly relating to Ireland and Britain; including a comprehensive collection of Ordnance Survey material, hydrographic charts from all over the world and maps of certain regions of Africa.

Science and medical collections are housed in separate buildings; the latter off-campus, in the College's associated teaching hospitals. The Science, Health Sciences and Engineering collections in the Hamilton Library include runs of core periodicals and books for those subjects.

Lesser used print material is housed in closed access and may be requested for consultation. In addition to the main university library, the campus is in close proximity to a number of other large libraries – notably the National Library of Ireland and the Royal Irish Academy Library.

Find out more about the Library at [www.tcd.ie/Library](http://www.tcd.ie/Library).

## COMPUTING FACILITIES

Information Systems Services is responsible for the provision and support of computer systems, networking, audio-visual and media services in College.

On registration all postgraduate students are issued with a user account providing access to a range of computer facilities and services. Each student is allocated a TCD email account for official correspondence and storage space on the College server. Computing facilities and support are also available at St. James's and Tallaght hospitals, which are the University's two main teaching hospitals.

IS Services offer a range of IT training courses for College staff and students throughout the year. These cover all the main desktop applications such as word processing, spreadsheet, database and presentations. More specialised courses on topics such as web publishing and statistical analysis are also available on a regular basis.

The central point of contact for all IS Services is the Helpdesk, which is located on the ground floor of Áras an Phiarsaigh. An extensive range of online facilities on all aspects of the services provided can be viewed on the local website at [www.isservices.tcd.ie](http://www.isservices.tcd.ie).

## RESEARCH INSTITUTES AND CENTRES

Trinity College's research has expanded considerably in recent years with the development of research institutes and centres. Although linked to schools, research centres and institutes pursue an independent remit in research and present many opportunities to postgraduate students. Some of the main research centres are:

Institute for International Integration Studies (IIIS)  
[www.tcd.ie/iiis](http://www.tcd.ie/iiis)

Centre for Research on Adaptive Nanostructures and Nanodevices (CRANN)  
[www.crann.tcd.ie](http://www.crann.tcd.ie)

Trinity College Institute of Neuroscience (TCIN)  
[www.neuroscience.tcd.ie](http://www.neuroscience.tcd.ie)

Trinity Centre for Bioengineering  
[www.tcd.ie/bioengineering](http://www.tcd.ie/bioengineering)

Institute of Molecular Medicine  
[www.tcd.ie/IMM](http://www.tcd.ie/IMM)

Centre for Global Health  
[www.tcd.ie/Health\\_Sciences/medicine/cghindex.php](http://www.tcd.ie/Health_Sciences/medicine/cghindex.php)

Centre for Health Policy and Management

Centre for Medieval and Renaissance Studies  
[www.tcd.ie/Medieval\\_Renaissance](http://www.tcd.ie/Medieval_Renaissance)

Centre for Non-profit Management  
[www.cnm.tcd.ie](http://www.cnm.tcd.ie)

Centre for Transport Research and Innovation for People (TRIP)  
[www.tcd.ie/Transport\\_Research\\_Centre](http://www.tcd.ie/Transport_Research_Centre)

Centre for Urban and Regional Studies  
[www.tcd.ie/CURS](http://www.tcd.ie/CURS)

Children's Research Centre  
[www.tcd.ie/childrensresearchcentre](http://www.tcd.ie/childrensresearchcentre)

Oscar Wilde Centre  
[www.tcd.ie/OWC](http://www.tcd.ie/OWC)

Policy Institute  
[www.policyinstitute.tcd.ie](http://www.policyinstitute.tcd.ie)

## COLLEGE MUSEUMS

In the 18th and 19th centuries the College possessed a very extensive museum containing some valuable material. When the museum was dispersed in 1857 the ethnographic material was lodged with the nearby National Museum of Ireland, but the University retained certain specialist collections.

### **The College Herbarium**

The College herbarium was founded in the early 19th century but also contains some material from earlier centuries as well. It is the second largest herbarium in Ireland and by far the most taxonomically important. Apart from its Irish and European collections the herbarium is particularly strong in material from South Africa, America, Australia and Thailand. Used for both teaching and scholarship it attracts a large number of overseas researchers, accesses approximately 1,800 new specimens every year and has a research programme focused on South-East Asia and Ireland.

### **The Zoology Museum**

The collection contains approximately 30,000 specimens representing all of the animal phyla. Some of the more important exhibits include a specimen of the now extinct great auk, a collection of Blaschka glass models and early 19th century entomological collections. Today the main function of the museum is to provide undergraduate training in animal systematics, biodiversity and taxonomy. Associated with the zoological collection is a small library containing specialised zoological literature.

### **The Geology Museum**

The museum is housed in one of the most spectacular of Trinity's historic campus buildings. The main collections are very diverse, with displays ranging from fossils, through maps to minerals, gemstones, zeolites, industrial minerals and building materials and meteorites. In total the collections contain approximately 50,000 paleontological



specimens of which 46,000 are invertebrates, 1,000 vertebrates and 3,000 plants, 7,000 mineralogical specimens and 15,000 petrological specimens.

### **The Weingreen Museum**

The Weingreen Museum of Biblical Antiquities is named in honour of Professor Jacob Weingreen, Erasmus Smith Professor of Hebrew at Trinity College Dublin between 1939 and 1979. The Weingreen Museum encompasses numerous exhibits from the entire Mediterranean world from North Africa to Mesopotamia and from Jericho – the oldest city (9th millennium BC) to have been excavated – to the Crusades (13th century). Its holdings consist mainly of pottery and other artefacts.

## **COLLEGE THEATRES**

### **Samuel Beckett Theatre**

A 208-seat black box performance space, showcases during term time the work of Drama and Theatre Studies. It has also hosted visits from some of the most prestigious dance and theatre companies from Ireland, Europe, Japan and the United States. Regular events at the Samuel Beckett Theatre include the Dublin Fringe Festival and the Dublin Theatre Festival, as well as an on-going series of lectures in contemporary theatre by practitioners and scholars.

### **Players Theatre**

Smaller than the Samuel Beckett, Players is the studio theatre of Dublin University Players, Trinity College's student drama society. 'Players' put on around forty productions a year (roughly 2 a week), as well as many special events such as the Freshers' Co-op, New Writers Week and the twenty four hour musical.



## **GALLERY**

The Douglas Hyde Gallery was opened in 1978 and is located at the Nassau Street entrance to Trinity. It is a non-profit making company, funded jointly by Trinity College and the Arts Council of Ireland. The Gallery, whose reputation is firmly established in the international contemporary art world, has a diverse programme of exhibitions, and its publications are widely distributed in Ireland and abroad. Activities such as tours, lectures and discussion groups encourage audience participation and evaluation of the work on show; there are also frequent film screenings and occasional concerts. The Gallery has a small bookshop which stocks a wide range of art magazines and catalogues of current and past exhibitions. Admission is free.

# Other College Services

The Graduate Students Union is the representative body for all postgraduate students in College. Apart from the protection of students' interests, a big part of the GSU's job is making sure that postgrads have a chance to meet each other. For this purpose, the GSU hosts a number of events throughout the year such as parties, receptions and trips, with a further aim to continually introduce new types of events to offer something for everyone. GSU's website [www.gsu.tcd.ie](http://www.gsu.tcd.ie) contains useful information on such topics as College regulations, State organisations and job opportunities.

## CAREERS ADVISORY SERVICE

The Service is based on campus and provides assistance to students and recent graduates of the College regarding their career options. Postgraduate students at whatever stage they are in their studies are very welcome to use the Service. The services offered include guidance software, skills workshops, vacancy advertising and individual guidance. The Service has its own library located in East Chapel with an extensive range of information on occupations and employers. Further details can be obtained from the website at [www.tcd.ie/careers](http://www.tcd.ie/careers) or by contacting the careers service directly. The Service also provides a range of free directories and publications including the Careers Service Guide.

18



## CENTRE FOR ACADEMIC PRACTICE AND STUDENT LEARNING

([www.tcd.ie/CAPSL](http://www.tcd.ie/CAPSL))

CAPSL was established in 2003 to provide a strong and integrated framework of academic support for students and staff. It comprises three areas: Student Learning and Development, Academic Practice and the Centre for Learning Technology. Throughout the academic year students can attend workshops on learning skills, as well as access online and paper-based resources, or meet with a student learning advisor to discuss study issues or concerns such as organising time and tasks effectively. In June, CAPSL host a skills development summer school with support from the Graduate Students Union and the Graduate Studies Office. This event brings together staff and students from across the college support services and academic disciplines to network and learn together in a variety of formats such as presentations, workshops, seminars, discussion groups which focus on key themes related to postgraduate study.

## CHAPLAINCY

The University caters not only for the intellectual and academic life of the student, but also for the social and spiritual one. Four chaplains, representing the four main Christian denominations in Ireland, provide an ecumenical chaplaincy service on campus. Based in House 27, the chaplains ensure hospitality to all students, irrespective of religious affiliation. As well as providing a forum, where students from various cultural and linguistics backgrounds can meet socially, the chaplaincy organises seminars and retreats on a regular basis and facilitates student support groups. The chaplains also gather students and staff for prayer and worship, both ecumenically and according to their respective traditions. A chaplain is always available to meet students. More information about the chaplaincy can be found on [www.tcd.ie/Chaplaincy](http://www.tcd.ie/Chaplaincy).

## DAY NURSERY

A day nursery, open 8am – 6pm during the academic term (8am – 5.15pm outside of academic term), is located on campus in a purpose-built facility. The nursery caters for children aged three months to four and a half years old (most children in Ireland go to school at the age of four). A fee is payable for use of this service. A hand booklet and application form is available on the main Trinity College website under College Day Nursery ([www.tcd.ie/info/services/daynursery](http://www.tcd.ie/info/services/daynursery)). Telephone: +353-1-896 2277. There is also a self-supporting student-parent discussion group. This informal group is open to any student (male or female) who already is, or is about to become, a parent.

## MEALS IN COLLEGE

### Student Buffet – Main Dining Hall:

Hot meal service from 12 (noon) – 3pm Monday – Friday, during term time.

### The Buttery Food Court:

As of October 2007, the former Buttery bar and restaurant has been converted into a food court offering three distinct eating areas:

- Fresh, made to order sandwiches, rolls, and juice bar
- Hot food section with pasta and pizza bar, daily international dishes and popular hot snacks
- Speciality coffee lounge with Java City and a 'grab and go' snack service

### Arts Building Coffee Shop:

8am – 9pm in term; a large range of snacks, sandwiches, and beverages.

### Hamilton Restaurant, Hamilton Building:

8am – 9pm in term; a full range of hot meals, snacks, salad bar and beverages.

### Westland Coffee Shop, East End 4 + 5:

9am – 6pm during term time; a full range of snacks, salad bar and beverages.

### Trinity Centre for Health Sciences, St James's Hospital Coffee Shop:

8am – 4.30pm Monday to Friday; a large range of snacks, sandwiches, and beverages.

### Trinity Centre for Health Sciences, Tallaght Hospital Coffee Shop:

8am – 4pm Monday to Thursday, 8am – 3.30pm Friday; a large range of snacks, sandwiches, and beverages.

## CLUBS AND SOCIETIES

The University has a long tradition in nourishing its clubs and societies. Over 90 recognised student societies cater for most interests. New societies can easily be established when required but most have long been in existence. The Philosophical and Historical Societies are the oldest, formed in 1684 and 1770 respectively. Both claim famous members, Jonathan Swift and Oscar Wilde amongst them. Further information can be obtained from the Central Societies Committee website [www.csc.tcd.ie](http://www.csc.tcd.ie).





## SPORTS FACILITIES

([www.tcd.ie/sport](http://www.tcd.ie/sport))

20

A combination of extensive facilities and a diverse range of sports clubs offer many opportunities to pursue recreational and sporting interests. The new Sports Complex (opened in March 2007) contains 6500sqm of space, housing a 25m, 6 lane swimming pool with adjoining sauna and steam rooms. The pool has a floating floor which allows the depth in the pool to be adjusted to cater for a wide range of activities from beginners lessons to scuba training and water polo. Other facilities include three large sports halls, fitness and aerobic studios, reflexology and other holistic treatments. A striking element of the building is a spectacular climbing wall which is visible for almost the entire height of the building from Westland Row.

The University also hosts outdoor synthetic grass tennis courts, a rifle range, croquet lawn and a rugby, hockey and soccer pitch. There are also pitches at Santry Avenue and a boathouse at Islandbridge.

### **Sports Scholarship/Bursary Programme**

This scheme aims to support athletes with the highest sporting potential. Financial assistance, physiological/fitness assessment and personal development are provided to students who fulfil the Scholarship/Bursary requirements (Web: [www.tcd.ie/Sport/Scholarship](http://www.tcd.ie/Sport/Scholarship)).

### **Sport Clubs ([www.ducac.tcdlife.ie](http://www.ducac.tcdlife.ie))**

With approximately 50 sports clubs to choose from, catering for indoor (badminton, squash etc) and outdoor sports for team (hockey, rugby, rowing, sailing etc), individuals and adventure seekers (climbing, potholing etc), there is bound to be a club that interests you. Whatever sport you do, the enjoyment, friendship and camaraderie of playing with a University Club is an experience, which cannot be repeated and shouldn't be missed. Friends made through sport often last well beyond their years spent in College.

## THE STUDENT COUNSELLING SERVICE

The Student Counselling Service is confidential, free, and professional.

The Counselling Service provides students with one-to-one counselling with a professional counsellor for emotional and personal issues. Emergency appointments are provided on a daily basis Monday-Friday. There are also one-to-one learning support consultations with a learning support psychologist for academic issues, such as exam preparation, essay writing, concentration and study skills.

Educational groups and workshops run all year on topics like stress management, study and communication skills, and exam preparation. To view the current schedule check



out the Counselling Service's website ([www.tcd.ie/student\\_counselling](http://www.tcd.ie/student_counselling)) and follow the links for "Learning Support." Self-help leaflets and books on issues relevant to students are available at the Service, or downloadable from the Service website. Follow the homepage links for "Self-help Leaflets" and "Library." Lots of web-based materials are also available to help you manage college life, such as an interactive Study Skills Seminar. There is also a Peer Support Network which is confidential and based on student-to-student support.

## STUDENT HEALTH

The College Health Service is located in modern, purpose-built premises on Trinity campus, in House 47. It aims to take a holistic approach to student health. In addition to providing on-campus primary health care for all full-time students, it focuses on the psychological and occupational aspects of student health and health education. Student consultations are free of charge with modest fees for additional services.

Hospital treatment is supplied to EU students who are automatically entitled to a General Medical Services Card on condition that they are in possession of a European Health Card or UK NHS Card from their home Government Health Service. These must be obtained in the home country before departure.

Non-EU students are not normally entitled to national health services in Ireland and are advised to take out insurance cover for hospitalisation before leaving their home country. If you have insurance it may be possible, by applying to your insurers, to complete an Inter Fund Form which will give access to the Voluntary Health Insurance scheme in Ireland while here. Please check with your Insurance Company back home. If you do not already have insurance cover and wish to join the Voluntary Health Insurance Scheme, Quinn Healthcare or Vivas Health when you arrive in Ireland, details are available from the College Health Service.

The service of a professional Student Counsellor on campus is available to all students on a strictly confidential basis. Appointments may be made through the College Health Service or directly with the Counselling Service itself.

## DISABILITY SERVICES

Trinity is committed to a policy of equal opportunity in education and to ensuring that students with a disability have as complete and equitable access to all facets of college life as can reasonably be provided. This includes students with a physical, sensory or specific learning disability and medical or mental health condition that interferes with ability to achieve academic goals.

The Student Disability Service is staffed by experienced professional workers with knowledge and expertise in access and equity issues. It works closely with academic staff, tutors, administrators and other support services to meet the support requirements of students with a disability. Find out more at: [www.tcd.ie/disability](http://www.tcd.ie/disability) where a student booklet is available.

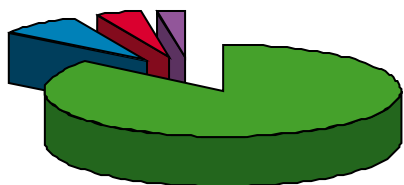


# Postgraduate Study in Trinity College

## GENERAL

Unlike the situation in some countries, entry to Irish universities is competitive, and no graduate applicant, from Ireland or any other country has an automatic right to admission. Most courses in Trinity College have a restricted number of places available for postgraduate students. The range of studies on offer is vast and the standard set for postgraduate study is exceptionally high. This combination, together with the range of ancillary facilities in the immediate vicinity of the University, offers an almost unparalleled learning experience to all postgraduates. Academic matters of postgraduate students are the remit of the Graduate Studies Committee, which is a subcommittee of Council and is chaired by the Dean of Graduate Studies.

### Known destinations of our postgraduate students (latest figures from TCD Careers Office)



- Gained Employment (86%)
- Further Study (8%)
- Not available for Employment or Study (4%)
- Seeking Employment (2.5%)

## UNIVERSITY COURSE REGULATIONS

On registration students are given the University regulations (Calendar Part 2), which govern academic progress through the University. In addition students who undertake a postgraduate taught course will be given a course brochure, which details the specific requirements and regulations governing that course. Students must familiarise themselves with these regulations.

## DIRECTORS OF TEACHING AND LEARNING (POSTGRADUATE)

These are the Directors of Postgraduate Study in the Schools, who are members of the College's Graduate Studies Committee. They are responsible for ensuring that any problems postgraduate students face are attended to. For those undertaking a research degree, directors offer another line of contact to the College administration in addition to their supervisor and for those undertaking a taught course they, similarly, offer another point of contact, apart from the course co-ordinator.

## POSTGRADUATE RESEARCH STUDENTS

Higher degrees by research are normally obtained by carrying out a period of research within the University, under the supervision of a member of College staff, with subsequent submission of a thesis for examination.

Virtually all research students are initially placed on the Masters register. They may then transfer to the Ph.D. register if their progress has been satisfactory. Such transfers usually occur at the end of the second year of full-time study. Progress is judged as satisfactory in a number of different ways in different research areas and students are advised to find out about the system in place in their area well in advance. The following research degrees are offered:

- M.Litt.
- M.Sc.
- Ph.D.

These degrees are by pure research or possess only a very small taught component. The desired average duration of the M.Litt. and M.Sc. by research degrees is two to three years full-time, whilst a Ph.D. should take from three to four years full-time. All students undertaking a research degree are assigned to a single supervisor, though for some students there may also be an additional advisor.



The supervisor's role is essentially that of an academic guide and mentor, and students should make suitable arrangements to contact their supervisor as often as is practical and agreeable to both parties.

Applications submitted to the Graduate Studies Office, including a detailed research proposal, are reviewed by the relevant Schools. Depending on the quality of the proposal, and if adequate supervision can be arranged, the proposal is then returned to the Dean of Graduate Studies for final approval. Students may apply to register in either April or October. If the results of the first year's research are satisfactory, candidates are placed on the Ph.D. register, though the M.Sc. or M.Litt. may also be pursued in its own right.

Trinity provides its research students with a welcoming and supportive environment. Normally student-led research seminars provide the opportunity to present projects to a peer group of fellow students. Additionally, there are seminars led by academic staff and visiting scholars.



## POSTGRADUATE STUDENTS UNDERTAKING TAUGHT COURSES

Postgraduate students on taught programmes normally have to pass a series of examinations in order to make satisfactory progress. Taught courses are available at three levels – Postgraduate Diploma, Masters and Practitioner Doctorate. Individual taught courses are described under the appropriate faculty. The following Professional Higher Degrees are offered:

- Bachelor in Divinity (B.D.)
- Professional Doctorate in Dental Surgery (D.Dent.Ch.)
- Professional Doctorate in Education (D.Ed.)
- Doctor in Clinical Psychology (D.Clin.Psych.)
- Doctor in Medicine (M.D.)
- Master in Business Administration (M.B.A.)
- Master in Dental Science (M.Dent.Sc.)
- Master in Education (M.Ed.)
- Master in Engineering (M.A.I.)
- Master in Engineering (M.A.I.) Recurrent Education
- Master in Laws (LL.M.)
- Master in Management (M.Sc. (Mgmt.))
- Master in Obstetrics (M.A.O.)
- Master in Social Work (M.S.W.)
- Master of Studies in School Leadership and Educational Studies (M.St.)
- Master in Surgery (M.Ch.)

In general these degrees are available only to suitably qualified graduates who wish to further their career in their chosen profession by undertaking a research thesis. Details of these degrees, their duration etc. are given in the alphabetical list of taught courses in the appropriate sections within.

## POSTGRADUATE STUDENTS NOT READING FOR A HIGHER DEGREE

It is possible to register as a one-year or one-term postgraduate student not reading for a degree. Students of this status are offered all facilities and are free to continue their own research, and/or to read undergraduate courses of interest to them. Application for admission should be made to the Dean of Graduate Studies by 1 April on the standard application form for postgraduate studies which can be requested from the Graduate Studies Office or downloaded from [www.tcd.ie/Graduate\\_Studies](http://www.tcd.ie/Graduate_Studies).



## CREDIT WEIGHTING OF COURSES

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

## COMMENCEMENTS

Degrees are awarded at one of five ceremonies in the year (either February, June, July, November or December) in the impressive Examination Hall. Enquiries should be directed to the Proctors' Office, House 5, Front Square, College.

## APPLICATIONS

For an application to be considered complete, the following enclosures (each identified with applicant's surname) must be submitted in one single packet as per the check list below:

- Passport photograph (affixed)
- Two letters of reference
- Curriculum Vitae
- Copies of certificates of English language competence
- Academic transcripts
- Application fee (do not post cash)
- Copies of degree certificates
- Documents in support of EU status
- A research proposal





# Costs and Funding

## FEES

An annual fee is payable on enrolment. This fee covers matriculation, the annual tuition and that year's examinations, including, if appropriate, examination of a postgraduate thesis or dissertation.

Fees vary depending on the subject studied and level and year of study involved. All fees are for a given academic year and reviewed annually. Students must have paid their fees in full and have no outstanding debts to the University in order to submit their thesis, to sit examinations and to graduate.

Fee levels are critical in determining how much it will cost to come and study in Trinity. One of the most important variables in fee level relates to whether students qualify as EU fee paying and therefore, for a lower annual fee, or not.

**European Union fees are based on residency.** A European Union passport or citizenship (including an Irish passport or Irish citizenship) does not grant automatic entitlement to EU fees.

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

- i) 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
- ii) 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
- iii) 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 EU Government officials living abroad, semistate officials who are on assignment in countries outside the EU, volunteer development workers and 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 to support their claim for EU fee status. This evidence must be presented with the application.

A student's registered EU/non-EU fee paying status cannot be changed during a programme for which s/he has registered.

Note that full-time education in the EU does not by itself constitute ordinary residence.





EU degree students who are liable for the full annual tuition fee may take the option of paying their annual tuition fees in two instalments. Students classified as non-EU fee paying must pay the full fee before registration. A non-returnable Application Fee of €48 must be submitted with every application. Please note that cash is not accepted. Registration can take place only when fees are fully paid.

A list of the major annual fees payable is given in the final section of this publication. The University Calendar Part 1 contains the definitive and full list.

## FIELDWORK COSTS, COSTS OF PREPARATIONS OF THESIS/DISSERTATION

Students are personally responsible for the costs involved if they have to undertake fieldwork as part of their degree programme. They are also responsible for all costs relating to preparation and submission of their thesis or dissertation (typing, binding, photography etc.).

## FUNDING OPPORTUNITIES FOR RESEARCH STUDENTS

The University offers two types of postgraduate awards which are available only to students intending to register for higher research degrees full-time (i.e. M.Litt., M.Sc., or Ph.D.). Ussher Awards are open to applicants from all countries. These awards are few in number, very competitive, provide significant maintenance (currently €12,700 per year) and fully cover fees. Postgraduate Studentships, also open to applicants from all countries, are more numerous but equally competitive. They provide a maintenance contribution of €8,000 and full fee coverage.

To be considered for a College award your complete application for admission, including the separate application form for a postgraduate College award, must be submitted in one package to the Graduate Studies Office. Please note that only full-time research students are eligible for these College awards. All College awards are subject to an annual income limit of (gross) €18,000 (inclusive of the award maintenance) after payment of fees.

Furthermore, throughout the year all Schools offer a number of additional studentships to graduates interested in engaging in research. These are ordinarily advertised in the Research Office's website ([www.tcd.ie/research\\_innovation/research/](http://www.tcd.ie/research_innovation/research/)), the College's vacancies web page ([www.tcd.ie/vacancies](http://www.tcd.ie/vacancies)) under the heading 'Research', and in the respective Schools' websites ([www.tcd.ie/az](http://www.tcd.ie/az)).

# International Students

## GENERAL

The Office of International Students Affairs assists in looking after overseas students in College. Its website [www.tcd.ie/ISA/](http://www.tcd.ie/ISA/) provides further information.

Trinity College is proud that postgraduate students continue to come here in significant numbers from around the world. We aim to increase this internationalisation considerably over the next five years.

## EMPLOYMENT

Students from countries within the European Union (EU) are free to take up employment under standard EU free movement of labour regulations. However, mixing employment with study is not easy, and it is recommended that students do not arrive from elsewhere in the EU without possessing the financial resources to complete their chosen course of study.

Non-EU nationals who have permission to remain in the State as students are entitled to take up casual employment, defined as up to 20 hours part-time work per week or full-time work during vacation periods. Furthermore, in order to encourage talented, skilled graduates to pursue careers in Ireland, non-EU nationals are permitted to remain in the State for an additional period of 6 months after receipt of results of their final examinations. During that period students are able to seek employment, and apply for a Green Card or Work Permit, as appropriate. For further information please check the Department of Trade and Employment's website: [www.entemp.ie/labour/workpermits/graduatescheme.htm](http://www.entemp.ie/labour/workpermits/graduatescheme.htm).

The Work in Ireland Programme (USIT) provides a special work permit for students on the programme ([www.usit.ie/119/index.html](http://www.usit.ie/119/index.html)). Canadian students are provided with a 12-month permit from Travelcuts in Canada ([www.swap.ca](http://www.swap.ca)), US students can get a four-month permit from Council Exchanges ([www.ciee.org](http://www.ciee.org)). The Programme is also available to students from Jamaica, Ghana, Argentina and South Africa. To be eligible, you need to be a full-time student at a third level institution or within six months of graduation. There is a limited number of places available so early application is advisable.

## LANGUAGE REQUIREMENTS

Students whose first language is not English must provide evidence of competency in this language through one of the well-established international standard tests:

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



# Travel, Visas, Accommodation

## VISAS

If you are a citizen of the European Union, you do not need a visa to enter and live in Ireland. Students from North America may enter the country without an entry visa. However, they must apply for a visa to the Garda National Immigration Bureau (GNIB) in Dublin, within 7 days of arrival in the country. Contact details are: Garda National Immigration Bureau, 13/14 Burgh Quay, Dublin 2, Ireland. Telephone: +353-1-666 9100. Further information can be obtained on-line from [www.justice.ie](http://www.justice.ie).

For information on entry visa requirements contact: Visa Section, Immigration Division, Department of Justice, Equality and Law Reform, 13/14 Burgh Quay, Dublin 2, Ireland. Telephone +353-1-616 7700, email [visamail@justice.ie](mailto:visamail@justice.ie).

All non-American non-EU students should contact the nearest Irish Embassy or Consulate for information on visa requirements before arrival and must report to the Garda National Immigration Bureau (GNIB) on arrival.

All applicants should apply as early as possible, especially if an Irish Visa is required. Please note that the Graduate Studies Office does not normally assist in the processing of visa applications.

All successful applicants receive a letter of offer confirming their acceptance at Trinity College from the Dean of Graduate Studies.

Please note that ALL non-EU fee paying students must pay their full tuition fees prior to registration.

## ACCOMMODATION

A limited number of students may be accommodated on campus. However, the modern and comfortable Trinity Hall of Residence owned by the University offers extensive accommodation opportunities. It is situated in its own grounds about 4km (2.5 miles) from Trinity and is linked to

the city centre by bus and a fast tramline. Find out more about College accommodation and the on-line application facility at [www.tcd.ie/accommodation/StudentsandStaff](http://www.tcd.ie/accommodation/StudentsandStaff).

Many postgraduate students find accommodation in shared houses or small self-catering flats and apartments in the inner city. Houses and flats vary in price, depending on size, facilities and location. The best places to look for a place to rent are the webpages [www.daft.ie](http://www.daft.ie) and [www.myhome2let.ie](http://www.myhome2let.ie), and the property pages of Dublin's daily newspaper, the Evening Herald.

Advertisements also appear on the many noticeboards around College, especially in Front Arch and the Accommodation Office. These are generally looking for people to share accommodation with and if you do not know anyone in Dublin, may be a good option.

During September and up to the end of Freshers' Week in October, the Accommodation Office provides a room with telephones, maps and adverts for accommodation, from which you can co-ordinate your efforts. Some estate agents have a letting service with lists of properties on their books.

For further information see [www.tcd.ie/Dublin\\_Life/arrival/accomm\\_renting.htm](http://www.tcd.ie/Dublin_Life/arrival/accomm_renting.htm).

If you are one of the students who is not offered College accommodation, or would prefer to live elsewhere, temporary housing of up to a maximum of two weeks can be arranged on the main campus in September, to allow time to search for long-term accommodation. Please note that this offer is only available to overseas students.

It is worth pointing out that other universities in Dublin begin earlier than Trinity College. As a result, if you are seeking accommodation, the earlier you are able to come, the more choice you will get in each location and price range.





# Academic Year, Registration, Orientation

## THE ACADEMIC YEAR

The academic year is divided into three terms: Michaelmas term (9 weeks teaching, October – December); Hilary term (9 weeks teaching, January – March); Trinity term (6 weeks teaching, April – May). 2008 – 2009 Academic Year:

### Teaching Terms

Michaelmas Term:

Monday 6th October 2008 – Friday 5th December 2008

Hilary Term:

Monday 5th January 2009 – Friday 6th March 2009

Trinity Term:

Monday 30th March 2009 – Friday 8th May 2009

## REGISTRATION

Research students may register either in October or in April. However as most taught postgraduate courses commence in October, Autumn registration is the major registration time and will take place on 25th and 26th September 2008. Registration dates for April 2009 are yet to be confirmed.

## POSTGRADUATE ORIENTATION DAY

During registration week a number of formal and informal events are held to introduce newly enrolled students to life in College; these include an orientation session for the current academic year, specifically tailored for postgraduate students. A Postgraduate Orientation Day for new entrants to postgraduate studies in 2008/09 will take place on Friday 26th September 2008 in the Burke Theatre in the Arts Building at 2pm.

*Please note that all dates on this page may be subject to change.*



arts, humanities  
and social sciences



# arts, humanities and social sciences





SCHOOL OF BUSINESS

SCHOOL OF DRAMA,  
FILM AND MUSIC

SCHOOL OF EDUCATION

SCHOOL OF ENGLISH

SCHOOL OF HISTORIES  
AND HUMANITIES

SCHOOL OF LANGUAGES,  
LITERATURES AND  
CULTURAL STUDIES

SCHOOL OF LAW

SCHOOL OF LINGUISTIC, SPEECH  
AND COMMUNICATION SCIENCES

SCHOOL OF PSYCHOLOGY

SCHOOL OF RELIGIONS,  
THEOLOGY AND ECUMENICS

SCHOOL OF SOCIAL  
SCIENCES AND PHILOSOPHY

SCHOOL OF SOCIAL WORK  
AND SOCIAL POLICY

## School of Business

*Head of School:* Dr Gerard McHugh

*Director of Teaching and Learning (Postgraduate):*  
Dr Joe McDonagh

*Telephone:* +353-1-896 2707

*Fax:* +353-1-679 9503

*Email:* [business@tcd.ie](mailto:business@tcd.ie)

*Internet:* [www.business.tcd.ie](http://www.business.tcd.ie)

The School of Business offers a range of postgraduate programmes for research degree students and for experienced managers. The School comprises some 20 full-time, 5 part-time, academic staff, 60 research students and 120 students following taught courses. The School's vision is of a university business school dedicated to learning about managers, organisations and markets through a critical, multi-disciplinary, international, senior management, whole enterprise orientation that is research based and works as a community of learning. This community involves staff, students, peers and professionals. The School works towards providing leadership in the market for ideas and strives to be known for its competence and contribution in selected niche area/s of knowledge creation, application and pedagogy.

### POSTGRADUATE RESEARCH DEGREES

The School offers outstanding students the opportunity to pursue advanced research, leading to the M.Litt. or the Ph.D. degree. The Research Degree Programme at the School of Business is focused on educating and training postgraduate students for careers in business research and

in international business schools. The Programme is offered almost exclusively on a full-time basis. Part-time study is limited, typically, to academic staff at third level Irish educational institutions, or to individuals who are working in a research environment.

Educational Objectives - The Research Degree Programme aims to develop:

- an advanced understanding of the philosophies, theories, principles, assumptions, concepts, practices and language of research methods;
- a sound appreciation of techniques, strategies, models, methods, tools, analytical procedures, processes, complexities, trade-offs, paradoxes, conventions, and difficulties relevant for individual research projects;
- relevant skills in identifying or developing research topics, research questions, key concepts and constructs, operational definitions, and testable hypotheses;
- abilities necessary to conceive, plan, conduct, and communicate rigorous, valid and ethical research; and
- abilities necessary for critically analysing, evaluating and critiquing ongoing or completed research projects.

Outline Programme - The School envisages the M.Litt. as a two-year full-time process and the Ph.D. as a four year full-time process.

The Graduate Research Seminar is scheduled weekly during the Academic Year. It is designed to cover a selection of topics fundamental to research in business studies. Attendance and active participation are requirements for the completion of research degrees in the School of Business. Attendance at seminars is mandatory for all newly enrolled first year research students.





In general, research degree students enroll initially on the M.Litt. register. To complete a Ph.D., students must apply for "Transfer to the Ph.D. Register". It is expected that this transfer will be achieved in the second year of a student's registration. As part of their training, students submit and present formal progress reports, attend formal research seminars, and complete readings and other studies as directed. Full-time students are expected to serve as teaching and research assistants for a number of hours each week.

## RESEARCH INTERESTS

Research in the School is driven predominantly by individual staff members' research agendas in the areas of accounting, finance, human resource management, international business, marketing, managing new product development, operations management, organisational behaviour, organisation studies, and strategic management. Such research may require little or no funding, or may be funded by companies, foundations, government bodies or the EU. A number of thematic research programmes exists involving groups of researchers including:

- The Centre for Nonprofit Management
- Conduits
- Strategic change and information technology

## TRINITY M.B.A.

The Master in Business Administration (M.B.A.) was launched in 1964. The Trinity M.B.A. is a one-year full-time or two years part-time programme aimed at young and mid-career managers with a strong strategic orientation. It is accredited by the Association of M.B.A.s (AMBA). The Trinity M.B.A. programme aims:

- to provide mastery of the discipline and skills associated with the role of general management
- to ensure each participant is challenged individually to attain the highest standards of personal excellence
- to learn to question assumptions and confront the implementation of solutions
- to emphasise the strategic and competitive imperatives of managing in an international environment
- to learn through action taking and through teamwork

The Trinity M.B.A. programme is organised as a set of five Modules, each with a different theme. These themes support the Company Project, the capstone of the Programme: the theme for Module 2 supports the Industry Analysis Stage of the Project; that for Module 3 supports the Company Analysis and Issue Identification Stage; that for Module 4 supports the Issue Analysis Stages. This support is derived from the integration of the courses taught during the Modules, both with each other and with the needs of the Project Stages.

# arts, humanities and social sciences

## M.Sc. (Mgmt.) PROGRAMMES

The five part-time M.Sc. (Mgmt.) programmes are designed for practicing senior executives. Each of these programmes has a specialist orientation in one of the following areas:

- management practice
- organisational behaviour
- strategic management in the private sector
- strategic management in the public sector
- international business

Each M.Sc. (Mgmt.) programme is of two years duration with a schedule that allows senior managers to combine the demands of professional life with advanced study. The alumni of these programmes are to be found in the most senior positions in Irish and multinational corporations and in the public sector.

## NAMED DEGREE COURSES

### MASTER IN BUSINESS ADMINISTRATION (M.B.A.) COURSE CODE 110

*Programme Director:* Mr Vincent Dooley

*Duration:* One year, full-time; two years, part-time

*Early Admission Deadline:* 30 March 2008

*Closing Date:* 31 July 2008. For on-line application process go to: [www.trinitymba.com](http://www.trinitymba.com)

*Contact Information:* M.B.A. Administrative Officer, Áras an Phiarsaigh, Trinity College, Dublin 2, Ireland.

*Telephone:* +353-1-896 1024

*Fax:* +353-1-679 9503

*Email:* [trinitymba@tcd.ie](mailto:trinitymba@tcd.ie)

*Internet:* [www.trinitymba.com](http://www.trinitymba.com)

This programme attracts participants of diverse backgrounds worldwide to the strong general management offering. The intensity of the programme encourages concentration and focus while allowing career-minded individuals to earn the M.B.A. with a relatively short break from their working career. The next intake will be in September 2008.

This is a boutique programme, geared to serve around 30 students each year. The programme is based on tutorial model and provides great flexibility and responsiveness to individuals' needs and goals. Participants in this environment experience a challenging developmental process which builds character, competency and confidence and fosters understanding of business and sound judgement. The programme offers an integrated set of skills from the basic building blocks of functional areas within all business to the practical methods of analysis and execution of decision-making to gaining strategic perspective and delivering recommendations to major business' issues through company consultancy assignment.



There are opportunities to engage in entrepreneurship with the Trinity Innovation Centre and topical areas of study such as the EU and China.

Coaching-based career management is integrated in the course of study. This supports the goal of bringing all students into the post-M.B.A. period with a full tool kit to achieve the roles and responsibilities to which they aspire.

### **MASTER IN MANAGEMENT (M.Sc. (Mgmt.))**

There are five two-year, part-time programmes, each catering for senior managers working.

*Duration: Two years, part-time*

Applications should be addressed directly to the respective Course Administrator, Master in Management Programme, School of Business, Áras an Phiarsaigh, Trinity College, Dublin 2.

*Internet: [www.tcd.ie/Business\\_Studies/MSc](http://www.tcd.ie/Business_Studies/MSc)*

### **BUSINESS ADMINISTRATION PROGRAMME (M.Sc. (Mgmt.))**

**COURSE CODE 199**

The Business Administration Programme recruits 30 students on a two-year cycle. The next in-take will be in September 2008. The first year of the programme comprises three taught modules which are examined at the end of each module. The second year is devoted to a major company project with participants working in small groups with companies that provide access and cooperation. Members of the class work in groups to produce a diagnosis of the major issues facing the company and make recommendations. The programme is aimed at experienced managers who are about to move into top management teams and general management. A detailed brochure can be obtained from Ruth Maybury at +353-1-207 8522 or [rmaybury@tcd.ie](mailto:rmaybury@tcd.ie).

### **INTERNATIONAL BUSINESS PROGRAMME (M.Sc. (Mgmt.))**

**COURSE CODE 679**

The International Business Programme is offered in partnership with Enterprise Ireland. The programme recruits 30 students on a two-year cycle. The next programme commences in January 2008. The programme is aimed at managers in the small and medium sized enterprise sector and addresses the challenges confronting organisations in highly competitive international markets. There is a strong emphasis on effective individual and team performance and on general/strategic management in the global context. The programme is provided by the Business School and its international partners, such as Babson College (Boston). A detailed brochure can be obtained from Ruth Maybury, Programme Administrator, at +353-1-207 8522 or [rmaybury@tcd.ie](mailto:rmaybury@tcd.ie).

### **MANAGEMENT PRACTICE PROGRAMME (M.Sc. (Mgmt.))**

**COURSE CODE 119**

The Management Practice Programme recruits 12 students each October. The programme is based on principles of action learning and students complete a dissertation based on initiatives they have undertaken in their work. They are aided by monthly seminars throughout the two years, and their individual tutor. Dissertations must satisfy internal examiners drawn from the School of Business and the Irish Management Institute, and an external examiner from a leading international business school. A detailed brochure can be obtained from Denise Connor at +353-1-207 8471 or [denise.connor@imi.ie](mailto:denise.connor@imi.ie).

# arts, humanities and social sciences

## **ORGANISATIONAL BEHAVIOUR PROGRAMME (M.Sc. (Mgmt.))**

### **COURSE CODE 146**

The Organisation Behaviour Programme recruits 25 students every second October on a two-year cycle. The next programme will commence in October 2009. The programme comprises a range of courses over two years with emphasis on the behavioural aspects of management. Students must succeed in examinations at the end of each of the two years and must also submit a dissertation during the second year. A detailed brochure can be obtained from Louise Birrell at +353-1-207 8516 or [louise.birrell@imi.ie](mailto:louise.birrell@imi.ie).

## **STRATEGIC MANAGEMENT PROGRAMME (PUBLIC SECTOR) (M.Sc. (Mgmt.))**

### **COURSE CODE 207**

The programme is designed for senior civil servants at Assistant Secretary level who are nominated by their Departments. The programme recruits 12 students on a two-year cycle. The next programme commences in September 2008. The first year of the programme consists of three taught modules relevant to the strategic management of public sector organisations; these are examined at the end of each module. In the second year students complete a group project based on analysis of carefully targeted public sector organisations overseas. Each student also completes an individual project concerning a strategic issue within his or her department. A detailed brochure can be obtained from Ruth Maybury at +353-1-207 8522 or [rmaybury@tcd.ie](mailto:rmaybury@tcd.ie).

## **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 listed 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.

## **MANAGEMENT (P.Grad.Dip.)**

### **COURSE CODE 760**

*Course Director:* Mr Tim Wray

*Duration:* One year, part-time

*Credit Value:* 60 ECTS

*Closing Date:* 31 July 2008

*Telephone:* +353-1-2078471

*Email:* [denise.connor@imi.ie](mailto:denise.connor@imi.ie)

*Internet:* [www.courses.imi.ie](http://www.courses.imi.ie)

The Postgraduate Diploma in Management is a one year programme commencing in October each year. This programme is designed for professional managers and analysts and those who wish to understand both the theory and practice of strategy in public and private sector organisations alike. Students complete a total of eight modules along with an individual and a group project. Both projects are focused on strategic development activities within the participant's own organisation. A detailed brochure can be obtained from Denise Connor at +353-1-2078471 or [denise.connor@imi.ie](mailto:denise.connor@imi.ie).

## School of Drama, Film and Music

*Head of School:* Professor Kevin Rockett

*Director of Teaching and Learning (Postgraduate):*  
Dr Matthew Causey

*Telephone:* +353-1-896 1334

*Fax:* +353-1-679 3488

*Email:* causeym@tcd.ie

*Internet:* www.tcd.ie/drama-film-music

The School of Drama, Film & Music comprises the Departments of each of the three disciplines in the title. With 17 full-time academic members of staff and 2 postdoctoral fellows, the School enjoys an international reputation for its research activities and achievements. There are currently 33 research students (M.Litt. & Ph.D.) in the School.

### RESEARCH PROGRAMMES

The School's research outputs are consistent with the highest research activities internationally. More than twenty-five monographs or edited collections by staff have been published by leading academic presses in the past two years. The School's research activities are guided by three core objectives: Ireland & the Arts, Globalisation & the Arts, and Technology & the Arts.

Drama Studies has a wide range of research interests consistent with a small department. Its strengths currently lie in the field of Irish & European Theatre, Theatre and Nation, Interculturalism/globalisation and performance, Identity Politics & Performance, and Performance and Technology. The Department is located in the Samuel Beckett Centre that comprises a theatre, acting studios and

seminar rooms. The Department of Drama has a formal link with the Abbey Theatre principally for the development of training for theatre practitioners, and with the International Institute for Integration Studies. It boasts a large research community of M.Litt. & Ph.D. students.

Film Studies also has a broad range of research interests consistent with a small department. It enjoys an international reputation for its research in Irish cinema and the cinemas of the Irish diaspora, as well as for its work in the field of film theory, and British cinema. Film Studies' facilities (screening room, film library, and digital video production room) are located on campus near the Samuel Beckett Centre. It is closely associated with the Irish Film Institute, and together with the University of Ulster, has established the Irish Postgraduate Film Research Seminar. It has a growing body of research students (M.Litt. & Ph.D.).

Music has three principal areas of research: musicology and analysis, composition, and music technology. Among the staff is Ireland's leading young composer, as well as experts on melodrama, twentieth-century sketch study, Debussy & Purcell. In addition it enjoys the resources of an extensive Audio Archive. It is located in Front Square of College in its own dedicated premises. Together with the Department of Electronic & Electrical Engineering it offers research degrees (M.Litt. & Ph.D.) in its principal areas of expertise.

All research students of the School are required to take core classes in Research Methodologies in their first year and to attend the Graduate seminars run by the Departments. The School is committed to training research students for the academic profession. Recent graduates hold permanent lectureships at universities in Ireland, UK, USA, Canada & Brazil. It has a very vibrant international research community and hosts scholars from all over the world in its symposia and conferences, and maintains very active links with the arts professions.

# arts, humanities and social sciences

## M.PHIL. COURSES

### FILM THEORY AND HISTORY (M.Phil.)

#### COURSE CODE 721

*Course Director:* Dr Paula Quigley

*Duration:* One year, full-time

*Closing Date:* 31 March 2008. Applications should be made directly to the Graduate Studies Office, Arts Building, Trinity College Dublin 2.

*Telephone:* +353-1-896 3512

*Email:* pquigley@tcd.ie

*Internet:* [www.tcd.ie/Drama/film.php](http://www.tcd.ie/Drama/film.php)

The course is designed to equip students with a wide-ranging knowledge of film theory and history. It is a one year full-time course based on lectures, seminars and screenings. Candidates for admission to the M.Phil. in Film Theory and History should have a good honors degree of upper second-class or above, or an equivalent qualification, in a cognate area.

The course consists of a Research Methodologies course, three core courses, and a dissertation. In addition to lectures/seminars, students are required to attend one two-hour screening per course each week for each of Michaelmas and Hilary terms. The courses are:

- Research Methodologies (Michaelmas term): facilitated discussion sessions designed to explore current theoretical approaches to the study of film, to encourage students to share research, and to develop oral presentation skills.
- Film Theory and History core course (Michaelmas and Hilary terms)
- Cinema and Ireland core course (Michaelmas and Hilary terms)

- Post-Classical European and American Cinema core course (Michaelmas and Hilary terms)
- A dissertation of 20,000 words on an approved aspect of the course. This will be supervised by an appropriate member of staff.

Students are evaluated by course work, assessment and a dissertation.

### MUSIC AND MEDIA TECHNOLOGIES (M.Phil./P.Grad.Dip.)

#### COURSE CODES 257/260

*(Run jointly with the School of Engineering)*

Entry via the Diploma. For full details see the P.Grad.Dip. section detailed below.

### THEATRE AND PERFORMANCE (M.Phil.)

#### COURSE CODE 738

*Course Co-ordinator:* Dr Melissa Sihra

*Duration:* One year, full-time

*Closing Date:* 31 March 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 2266

*Email:* msihra@tcd.ie

*Internet:* [www.tcd.ie/Drama/drama.php](http://www.tcd.ie/Drama/drama.php)

The course focuses on theatre in its European context and culminates in a dissertation of 15,000 words. The work normally takes 12 months, although students are required to be in residence only from October through the following June. Visits from practitioners and scholars supplement the regular lectures and seminars in theatre, performance issues, and critical and cultural studies.



## 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 listed 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.

### MUSIC AND MEDIA TECHNOLOGIES (P.Grad.Dip./M.Phil.)

#### COURSE CODES 260/257

*(Jointly with the School of Engineering)*

*Course Director:* Ms Fionnuala Conway

*Duration:* P.Grad.Dip.: One year, full-time; M.Phil.: Two years, full-time. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Closing Date:* 15 February 2008

*Telephone:* +353-1-896 2508

*Email:* [mmt@mee.tcd.ie](mailto:mmt@mee.tcd.ie)

*Internet:* [www.mee.tcd.ie/mmt/index.php](http://www.mee.tcd.ie/mmt/index.php)

In recognition of a shared interest in Information Technology and a growing awareness of its relevance for music, Electronic and Electrical Engineering and Music initiated the Postgraduate Diploma and Masters programmes in Music and Media Technologies in Trinity in 1996.

A particular feature of these programmes is a balanced approach to musical and technological topics. Musically, a strong emphasis is placed on the development of adaptable compositional skills, while technological topics are addressed from both a hands-on workstation/studio exposure and a fundamental mathematical and scientific basis, which focuses on musically relevant issues.

The first year is a self-contained Postgraduate Diploma course which provides the necessary musical and technological skills to allow creative individuals to engage in computer-assisted composition and production, apply software tools for the music and New Media industries and/or enter the arena of 'music-on-screen' production for New Media products.

Continuing to a second year of study toward a M.Phil. degree is an option, which is open to those achieving a sufficient standard in their Postgraduate Diploma exams. The second year combines first semester taught courses with project work in the second semester, and generally has a greater research orientation. The second semester project can be of a musical or technological nature.



# arts, humanities and social sciences

Acceptance for the course is based on an overall assessment, which takes into account:

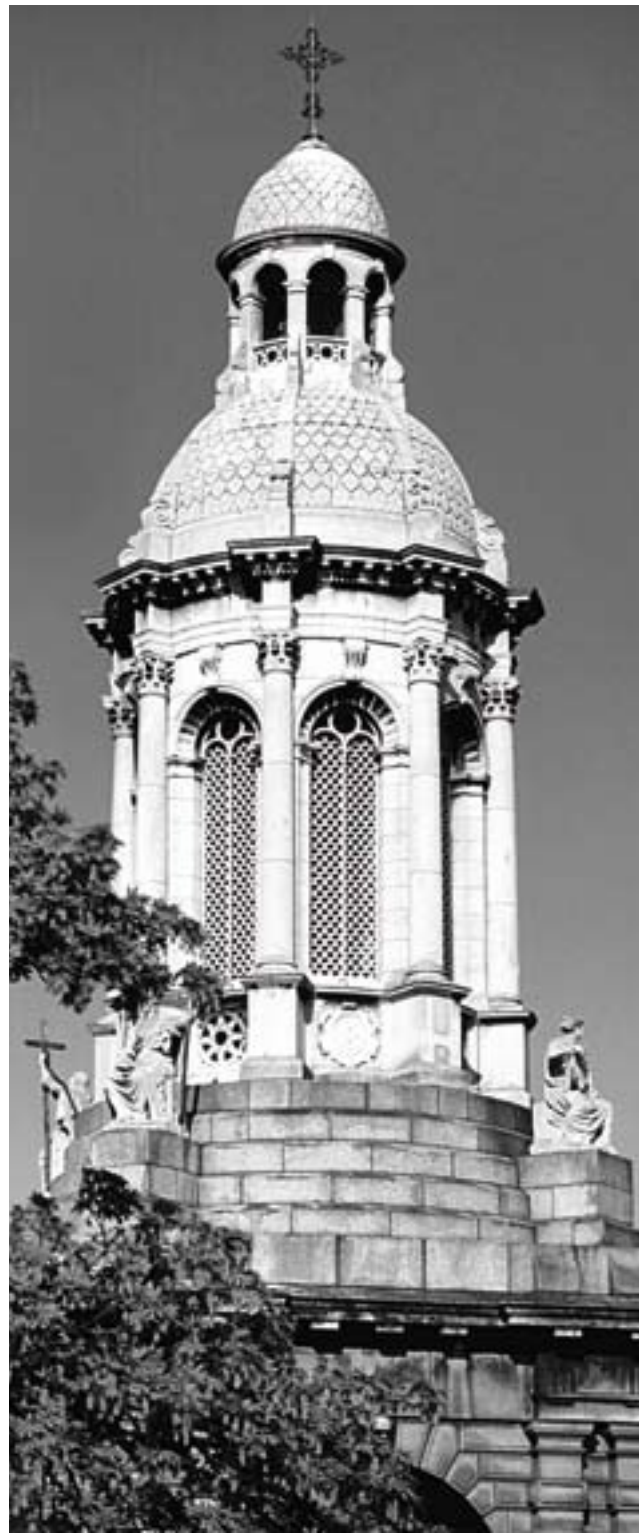
- Undergraduate degree qualification (Consideration will be given to mature students, over 23 years of age by 1 January of the year of entry, who do not have an undergraduate qualification but who clearly demonstrate relevant experience over a number of years in a related industry or field).
- Musical/compositional/artistic and/or technological ability as evidenced by a portfolio submission
- Formal musical knowledge level
- References
- Interview

Late applications may be considered subject to the availability of places.

Both programmes cover a wide range of subjects within the general field of music technology, and provide students with a fully professional qualification. The work is intensive and these programmes cannot be undertaken part-time.

It is expected that this course would be co-funded under the National Development Plan 2008 (Graduate Skills Conversion Programme) for EU fee paying students. In 2007/2008 the fee for EU fee paying students was €1,600.

44



## School of Education

*Head of School:* Dr Michael Shevlin

*Director of Teaching and Learning (Postgraduate):*  
Dr Philip Matthews

*Telephone:* + 353-1-896 1503

*Fax:* +353-1-677 7238

*Internet:* [www.tcd.ie/Education](http://www.tcd.ie/Education)

The School of Education is one of the major professional schools of the University with a current enrolment of 635 postgraduates. It has 20 full-time and over 75 part-time staff. The School is committed to engaging with educational issues through teaching and research at a number of levels: initial teacher education, postgraduate teacher education and continuing professional development. Within this context of informed practice, the School is dedicated to undertaking high quality research which permeates teaching at postgraduate level.

Currently the School offers both Master in Education (M.Ed.) and Master of Studies (M.St.). As well as the traditional M.Litt. and Ph.D. research degrees, the School is the first leading Irish university to offer a professional Doctorate in Education (D.Ed.) which is for educators who wish to undertake doctoral level study in a structured manner into their professional practice.

The School also offers a range of postgraduate diploma programmes in both initial teacher education and continuing professional development. The Postgraduate Diploma in Education is for those graduates who wish to gain a professional postgraduate post-primary teaching qualification.

The School of Education is also linked with three Colleges of Education and two Colleges of Music in Dublin and with Education Centres throughout the country. The Colleges of Education are the Church of Ireland College of Education at Rathmines, Coláiste Muire at Marino and the Froebel College of Education at Blackrock. The Colleges of Music are the D.I.T. Conservatory of Music and the Royal Irish Academy of Music. The School, with the Colleges, offers a Higher Diploma in Education (Primary Teaching) and a variety of continuing professional development activities.

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, Froebel College of Education, Sion Hill, Coláiste Muire at Marino, the Curriculum Development Unit, CDVEC, and Co. Wicklow VEC provides a variety of continuing professional development activities for teachers and others with a professional interest in education. These activities range from half-day seminars to thirty-hour modules. Four modules may be taken in approved combinations for the award of a Postgraduate Diploma. Students who take the additional two research methods modules, and attain a satisfactory level (normally a second-class honors or higher) in both are eligible to apply for the M.St. programme. Applicants who do not meet this requirement on completion of the two research methods modules, may be eligible to go on and undertake two further modules whereupon successful completion will lead to the award of a Postgraduate Diploma. Students who do not attain the above standard may proceed to the award of a second named Postgraduate Diploma. Typically the activities are organised outside of normal school hours and in different Education Centres to facilitate attendance. For practitioners or those with a professional interest in education, the School's Division of Continuing Professional Development offers two postgraduate diplomas: Educational Leadership and Educational Studies.

# arts, humanities and social sciences

## NAMED DEGREE COURSES

### PROFESSIONAL DOCTORATE IN EDUCATION (D.Ed.)

#### COURSE CODE 724

*Course Co-ordinator: Dr Andrew Loxley*

*Duration: Four to five years, part-time*

*Telephone: +353-1-896 1587*

*Email: loxleya@tcd.ie*

*Internet: [www.tcd.ie/Education/courses/ded.php](http://www.tcd.ie/Education/courses/ded.php)*

*Entrance Requirements: Masters (or equivalent) and relevant professional experience.*

The Doctor in Education is a taught programme that comprises of eight structured modules and a substantial research thesis component. The D.Ed. is aimed at educational and related professionals who wish to study at a doctoral level. The intention is to prepare professionals to meet the challenge of working in a changing educational landscape at various levels (classroom based, management and leadership, policy making) and across different sectors. The programme will enable students to develop firstly their critical understanding of a range of contemporary issues and secondly, their capabilities in undertaking research.

46

The majority of modules will be presented during the first three years of the programme – three of which are devoted to critically exploring a range of cognate contemporary issues in education from a multidisciplinary perspective within Irish, European and global contexts. A further three modules are dedicated to research methodology, with an additional two advanced modules offered in the fourth year of the programme. Assessment for six of the eight modules is through individual written assignments of between 5,000–5,500 words each. The thesis (which will not be more than 80,000 words in length), will act as the focal point of the programme and can be seen as a development of a

student's critical understanding of the taught modules and an opportunity to explore in substantial depth an area of their own practice. Teaching will mainly be seminar based and will usually take place at weekends and early evenings.

Entry to the programme will be restricted to students who have already completed or are about to complete a masters level qualification. Serious and equal consideration will be given to those applicants who may not hold a masters level qualification, but nonetheless demonstrate through other means the potential to undertake doctoral level study. It is also a requirement that applicants have at least a minimum of three years of experience in an educational or related field.

### MASTER IN EDUCATION (M.Ed.)

#### COURSE CODE 749/752

*Course Co-ordinators: Mr Keith Johnston, Dr Peter Conroy*

*Duration: Two years, part-time; one year, full-time*

*Closing Date: 16 April 2008. Applications should be addressed directly to the Master in Education Programme, School of Education, Arts Building, Trinity College, Dublin 2.*

*Telephone: +353-1-896 3568*

*Email: [master.education@tcd.ie](mailto:master.education@tcd.ie)*

*Internet: [www.tcd.ie/Education/courses/masters.php](http://www.tcd.ie/Education/courses/masters.php)*

This course is aimed at professional practitioners or those with an interest in education who wish to deepen their understanding of this field. It seeks to equip those who aspire to positions of leadership in fields such as teaching, teacher education, educational management, educational guidance and counselling, special education and aggression studies with an ability to participate effectively in the advancement of knowledge, the formation of policy, the promotion of innovation, and the improvement of practice. The course also aims to develop skills in the field of educational research (both numerical and non-numerical methods).

Applicants are normally expected to hold a good honors degree and have at least two years experience in the field of education. Applications will also be considered, on an individual basis, from those who do not have such experience but who wish to relate particular fields of competence such as history, philosophy, psychology, administration or health sciences to the practice of education.

The course has a taught component and a dissertation. The duration will normally be two years part-time or one year full time.

**MASTER OF STUDIES (M.St.)  
in School Leadership and Educational Studies**  
**COURSE CODE 232**

*Course Co-ordinator:* Dr Andrew Loxley

*Duration:* One year, part-time

*Closing Date:* 31 July 2008 (Late applications may be considered if places remain available after the closing date). Applications should be addressed directly to the Master of Studies Programme, School of Education, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1290

*Email:* [inseredu@tcd.ie](mailto:inseredu@tcd.ie)

*Internet:* [www.tcd.ie/Education/courses/insevice.php](http://www.tcd.ie/Education/courses/insevice.php)

The M.St. degree courses are designed to enhance the theoretical and practical expertise of teachers in relevant curriculum and leadership areas.

The Master of Studies degree aims to enable teachers and other suitably qualified persons who are professionally interested in education, to gain a higher degree whilst continuing in full-time employment and possibly residing some distance from the university. It requires students to submit a dissertation (20,000–25,000 words) based on research of some element of their practice. The precise

choice of topic should reflect their pre-Master studies within the Division of Continuing Professional Development and is made in collaboration with the academic staff. During the academic year, individual and group supervision and relevant academic inputs support the students.

Entry to the degree is normally restricted to qualified teachers recognised by the Department of Education and Science, or other graduates of recognised institutions who have completed a diploma and one post-diploma module from the Division of Continuing Professional Development programme, achieving normally a second-class honors or higher grade.

**M.Sc. COURSES**

**TECHNOLOGY AND LEARNING (M.Sc./P.Grad.Dip.)**  
**COURSE CODE 750/911**

(Run jointly with the School of Computer Science and Statistics, see M.Sc. entry under School of Computer Science and Statistics)



# arts, humanities and social sciences

## 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 listed 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.

## CONTINUING PROFESSIONAL DEVELOPMENT (P.Grad.Dip.)

### COURSE CODE 770/771

*Course Co-ordinator: Dr Andrew Loxley*

*Closing Date: 31 July 2008 (Late applications may be considered if places remain available after the closing date). Applications should be addressed directly to the In-Service Education Programme, School of Education, Arts Building, Trinity College, Dublin 2.*

*Telephone: +353-1-896 1290*

*Email: [inseredu@tcd.ie](mailto:inseredu@tcd.ie)*

*Internet: [www.tcd.ie/Education/courses/in-service.php](http://www.tcd.ie/Education/courses/in-service.php)*

48

There are a variety of in-service programmes for teachers and those with a professional interest in education, ranging from half day seminars to modules which, taken together in groups, comprise a Continuing Professional Development Diploma course. Single programmes of the half-day, one-day and weekend type are advertised as they occur.

A credit system is used within the Division to facilitate transfer between the various Master programmes offered, and also with other recognised educational institutions. The number of credits is linked to the number of contact hours required for an individual module. Each module comprises 30 credits, with four modules (120 credits) making up a diploma. To obtain credits the student must achieve at

least a pass in the designated assignment. Each module is assessed using a variety of methods, including projects, case studies, reports, examinations and curriculum design. The integration of theory and practice is stressed in the content of the modules and in the assessments. Where possible, experiential and active learning and teaching strategies are used in the presentation of modules.

A student can begin a programme of study at several points during the academic year as each module is free standing and registration is for each separate module. A minimum of 120 credits is required for the award of a diploma that must normally be completed within three years of the date of registration of the first module. Modules are normally taught outside of school working hours to facilitate teachers continuing in full-time employment. As the Division of Continuing Professional Development collaborates with the Association of Education Centres (in addition to other institutions) modules are offered in Education Centres in several locations throughout the country in addition to Trinity College.

Students with the requisite undergraduate qualifications who obtain a diploma of second- or first-class honors standard, and who perform to the same standard in two other post-diploma M.St. Qualifying Modules in research methods, may apply for admission to the Master of Studies programme. Students are required to complete a module in educational research methods before beginning the Masters programme.

*Entry qualifications:* teachers recognised by the Department of Education and Science, or others who are graduates of recognised institutions and have a professional interest in education. Diploma students need to be aware that entry to the postgraduate diploma does not mean that one is automatically eligible for entry to the M.St. programme.



Modules, leading to the award of a Diploma in Management in Education, and a Diploma in Educational Studies are offered. These modules include: addiction studies; child protection and abuse; contemporary issues; cooperative learning; curriculum design and assessment; dance education; drama in education; information and communication technologies; intercultural education; management of change; management of human relationships; multiple intelligences; social and interpersonal education; special needs; staff development and selection; subject specialisms.

## EDUCATION (P.Grad.Dip.)

### COURSE CODE 762

*Course Co-ordinators:* Dr David Limond, Ms Elizabeth Oldham

*Duration:* One year, full-time

*Closing Date:* 14 December 2008 for entry in October 2009. Applications should be addressed directly to the Postgraduate Diploma in Education Programme, School of Education, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1488

*Email:* limondd@tcd.ie or eoldham@tcd.ie

*Internet:* [www.tcd.ie/Education/courses/pgedpp.php](http://www.tcd.ie/Education/courses/pgedpp.php)

The purpose of this course is to prepare candidates for teaching in second-level education. The course is in two integral parts, initial and general, and is full-time. Throughout the school year students are required to undertake teaching practice under supervision while pursuing their academic studies at the University. In exceptional circumstances a student may be allowed to carry over teaching practice or a limited number of courses into a second year, on payment of the appropriate College fee.

Courses in Foundation Studies are: philosophy of education; educational psychology; special education; sociology of

education; history of education and issues in Irish education; curriculum, assessment, evaluation and statistics.

Courses in Teaching Studies are: pedagogy of individual disciplines in two school subjects (major and minor). Students are evaluated by course work assessment throughout the year, by written examinations and by assessment of teaching practice.

By arrangement with the school authorities concerned, candidate teachers undertake practice in Dublin schools. 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.

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.



# arts, humanities and social sciences

## HIGHER DIPLOMAS

### HIGHER DIPLOMA IN EDUCATION (PRIMARY TEACHING)

#### COURSE CODE 601

*Course Co-ordinator:* Mr Keith Johnston

*Duration:* Eighteen months, full-time

*Closing Date:* These courses are contingent on approval from the Department of Education and Science on an annual basis. Please contact the Colleges of Education for further information. Application for admission must be made directly to the College of Education in which enrolment is being sought.

*Telephone:* +353-1-896 3589

*Email:* keith.johnston@tcd.ie

*Internet:* [www.tcd.ie/Education/courses/hdipedp.php](http://www.tcd.ie/Education/courses/hdipedp.php)

The Higher Diploma in Education (Primary Teaching) is a professional course that is intended to provide for the academic and professional requirements of primary school teachers. It is taught jointly by the School of Education and two associated Colleges of Education – Coláiste Mhuire, Marino and the Froebel College of Education, Sion Hill, Blackrock. Students attend the majority of courses within their chosen College of Education and attend foundation courses, in common with students from other Colleges of Education, within the University's Education area.

Throughout the degree considerable emphasis is placed on the study of foundation subjects in education, the Irish and English languages, language development and mathematics, with complementary work in areas such as arts education, religious studies, physical education, social, personal and health education (SPHE), information communication technology (ICT), social, environmental and scientific education (SESE), and inclusive education. School experience is regarded as central to the H.Dip.

(Primary) programme and there are three periods of teaching practice designed to give students an opportunity to develop their practical skills of observation and teaching. The evaluation of work for the degree involves a combination of continuous assessment and final examinations. Graduates of this course are recognised by the Department of Education and Science as qualified teachers, following a successful year of probation, in accordance with Rule 157 of the Rules of National Schools.

The course is of eighteen months duration and is full-time. It commences in early February and is divided into three terms, which run from February to June, September to December, and from January to June. H.Dip. (Primary) students register only with the Associated College of their choice for the first term of the course. Students register both with the Associated College and Trinity College for the second and third terms of the course. Graduate students registered with Trinity College have full access to the facilities of the University.

Candidates for admission to the programme leading to the H.Dip. (Primary) must possess an approved third-level degree. In addition, applicants must also have secured at least grade C in Higher Level Irish and at least grade D in Mathematics (Ordinary or Higher level) and at least grade C (Ordinary level) or grade D (Higher level) in English. Candidates who sat the Leaving Certificate examination prior to 1969 must have secured honors in Irish and passes in English and Mathematics. Similar requirements apply in the case of applicants who have sat the Northern Ireland GCSE and GCE A Level examination.

Further information and application forms for admission are available from Coláiste Mhuire, Marino and the Froebel College of Education, Sion Hill, Blackrock. Applicants who satisfy the academic requirements are invited to attend an interview and an oral Irish examination.

## School of English

*Head of School:* Professor Stephen Matterson

*Director of Teaching and Learning (Postgraduate):*  
Professor Nicholas Grene

*Telephone:* +353-1-896 1111

*Fax:* +353-1-671 7114

*Email:* [ngrene@tcd.ie](mailto:ngrene@tcd.ie)

*Internet:* [www.tcd.ie/English](http://www.tcd.ie/English)

The School comprises more than twenty permanent members of teaching staff, and a substantial number of Postdoctoral Fellows, Teaching Associates, Research Associates and Teaching Assistants. There are approximately 500 undergraduates, over 100 visiting students each year, and about 60 students who are reading for research degrees. In spite of the large numbers of students, the School maintains a strong commitment to small-group teaching and to individually-directed research.

The School currently offers four taught Master of Philosophy courses, in Creative Writing, Popular Literature, Anglo-Irish Literature and the newly established Literatures of the Americas. Students on our M.Phil. courses often go on to register for the Ph.D.

## RESEARCH PROGRAMMES

With four taught postgraduate courses and over 60 research students, the School of English has a vibrant research culture, with opportunities in a wide range of subjects and areas. We especially welcome applications in: medieval and renaissance literature, eighteenth-century literature, Anglo-Irish literature and drama, American literature, popular literature, creative writing, Victorian literature, postcolonial literature, Old English, and children's literature. Research opportunities in all areas are considerably enhanced by Trinity Library. As well being a copyright library, it holds manuscripts and special collections that can form the basis of research projects, particularly in the early period, in Anglo-Irish literature and in children's literature.

Our research culture places special emphasis on the individual researcher, though we also encourage forms of research collaboration where this is appropriate. While our research students work closely with their supervisor, their development of independent and original thought is crucial to the research process. When their work is established, research students may provide teaching in the School in areas cognate to their research. All research students take a course in Research Methods.

As well as fostering individual research, we also help students develop a profile that will make them strong candidates for academic posts. Recent Ph.D. graduates hold permanent lectureships and prestigious post-doctoral fellowships at universities in Ireland, the UK, continental Europe and the US.

# arts, humanities and social sciences

## M.PHIL. COURSES

### ANGLO IRISH LITERATURE (M.Phil./P.Grad.Dip.) COURSE CODE 180

*Course Directors:* Prof. Terence Brown and Prof. Nicholas Grene

*Duration:* One year, full-time

*Closing Date:* 1 March 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1400/1179

*Email:* [ngrene@tcd.ie](mailto:ngrene@tcd.ie)

*Internet:* [www.tcd.ie/OWC/courses/anglo/index.html](http://www.tcd.ie/OWC/courses/anglo/index.html)

The course offers graduates in English or in related disciplines (e.g. history, art history, Irish studies, a modern language) the opportunity to study the broad range of authors of Anglo-Irish literature from the 18th century to the present. It also addresses thematic aspects of the subject. The course is designed to be complete in itself but can also serve as preparation for those who may wish to proceed to further research in the field.

52

Applicants should have a good honors degree (at least an upper second or equivalent, GPA of at least 3.3). Some previous knowledge of Anglo-Irish literature is also desirable. Admission to the course is competitive due to a restricted quota.

The course consists of five elements:

- i) The main authors of Anglo-Irish literature – Swift, Edgeworth, Yeats, Joyce, Beckett are studied in two weekly two-hour seminars in the Michaelmas and Hilary terms.
- ii) There is a series of lectures on the contexts of Anglo-Irish literature in the Michaelmas and Hilary terms.
- iii) There is a course in Research Methods in the Michaelmas and Hilary terms.
- iv) A number of special subjects are offered in Michaelmas and Hilary terms. These special subjects may vary from year to year according to staff availability. They have included in the past: Literature and Violence; Literary Myths of the Revival; Irish Drama and the Metropolitan Theatre; Modernism and Irish Poetry; Gothic and Fantasy Literature; Irish Fiction after Joyce; Irish Women's Writing; Cinema and Ireland. Students are required to select one special subject in Michaelmas term and another in Hilary Term. In place of the special subjects offered in Hilary Term, students may enrol for a Creative Writing workshop. 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.
- v) A dissertation (12,000-15,000 words) is planned in consultation with a Course Director in Hilary term and is prepared and written under the guidance of a supervisor in the Trinity term and in the long vacation (July to September).

Assessment is by a combination of course papers, presented work and dissertation.

Further information on the course is provided for incoming students in the course handbook and on the website of the Oscar Wilde Centre for Irish Writing.

**CREATIVE WRITING (M.Phil.)****COURSE CODE 255**

*Course Director:* Mr Gerald Dawe

*Duration:* One year, full-time

*Closing Date:* 1 March 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 2885 (9.30am - 1pm only)

*Email:* oscar@tcd.ie

*Internet:* [www.tcd.ie/OWC/courses/creative/index.html](http://www.tcd.ie/OWC/courses/creative/index.html)

This course, the first Masters programme in creative writing in an Irish university, was offered 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.

The course is intended for students who are seriously committed to writing, are practising, or prospective authors and who wish to develop their writing within the framework of a university course and in the context of an Irish literary milieu. It involves the close and critical examination of the students' 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.

Applicants, who are expected to have a university degree or equivalent qualification, are selected on the basis of a submitted portfolio of recent creative work.

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

**LITERATURES OF THE AMERICAS (M.Phil.)****COURSE CODE 764**

*Course Director:* Dr Melanie Otto

*Duration:* One year, full-time

*Credit Value:* 90 ECTS

*Closing Date:* 1 April 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1111

*Email:* ottom@tcd.ie

*Internet:* [www.tcd.ie/English/courses/pg\\_litofamericas.php](http://www.tcd.ie/English/courses/pg_litofamericas.php)

Over the past number of decades the scholarly fields of American Literature, American Studies and Postcolonial Studies have undergone radical transformations. Their core concepts – including identity, race, citizenship, hybridity, and nationhood – have been challenged and redefined in fundamental ways both by creative writers and by theorists. This course – the first of its kind in Ireland and one of only a small number of similar courses in these islands – reflects on those changes and provides an exciting new postgraduate course of study for high calibre students.

This 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. While the degree is complete in itself, the supervised dissertation of up to 20,000 words helps to lay a foundation for doctoral research in Postcolonial and/or American literary studies.

Applicants are normally expected to hold a II.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 (max. 5,000 words).

# arts, humanities and social sciences

## POPULAR LITERATURE (M.Phil.)

### COURSE CODE 709

*Course Director:* Dr Darryl Jones

*Duration:* One year, full-time

*Closing Date:* 1 March 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1878

*Email:* [drjones@tcd.ie](mailto:drjones@tcd.ie)

*Internet:* [www.tcd.ie/English/courses/pg\\_popularlit.php](http://www.tcd.ie/English/courses/pg_popularlit.php)

This course offers an opportunity for the advanced study of popular literature. The course will cover such popular genres as adventure fiction, children's literature, horror, detective fiction, romance and science fiction, as well as offering an advanced introduction to such topics as the bestseller, genre theory, print culture and readership.

Applicants are normally expected to have a good honors degree (at least of upper second standard) or an equivalent qualification.

The course comprises three elements:

- i) A core course meeting twice a week for 2 hours over 2 terms;
- ii) Option courses meeting once a week for 2 hours – students take one per term;
- iii) The research methods course.

This creates a total of 7 contact hours per week. Students also spend a substantial amount of time in library research. Assessment is a combination of four 5,000 word essays and a 15,000 word dissertation to be supervised by a member of staff.





## School of Histories and Humanities

*Head of School:* Professor Jane Ohlmeyer

*Director of Teaching and Learning (Postgraduate):*  
Professor Eunan O'Halpin

*Telephone:* +353-1-896 1020

*Fax:* +353-1-896 2291

*Internet:* [www.histories-humanities.tcd.ie](http://www.histories-humanities.tcd.ie)

The School of Histories and Humanities comprises the departments of Classics, History, History of Art and Architecture and the Centre for Gender and Women's Studies.

With 35 full-time academic members of staff and 6 postdoctoral fellows the School enjoys an international research profile in a remarkable range of different disciplines and subject areas: archaeology, philosophy (classics), Latin and Greek language and literature, Classical, Medieval and Modern History (Irish and European), History of Art and Architecture and Gender and Women's Studies. We currently have over 120 research students and more than 50 taught students on five M.Phil. programmes. Staff are accessible, ready to listen to students' ideas and open to interdisciplinary approaches.

The School regularly sponsors international conferences and symposia and runs six major research seminars. These provide a forum for distinguished scholars, postgraduates and postdoctoral fellows from throughout the world to present papers. The School also plays an active role in the activities of Trinity's leading humanistic research centres. A number of these are located within the School: Irish Art Research Centre; Centre for Medieval History; Centre for Contemporary Irish History; Centre for Irish

Scottish Studies; Centre for Gender and Women's Studies; Mediterranean and Near Eastern Studies; and the Centre for the Study of the Platonic Tradition.

We offer one integrated doctorate, five taught M.Phil. programmes, postgraduate training, a variety of career development workshops and teaching opportunities for senior postgraduates. Many of our postgraduates have secured competitive funding for their studies from external or College sources.

For details of Government of Ireland postgraduate scholarships see [www.irchss.ie](http://www.irchss.ie). Further details on postgraduate opportunities in the School are available, in the first instance, from Prof. Jane Ohlmeyer at [jane.ohlmeyer@tcd.ie](mailto:jane.ohlmeyer@tcd.ie) and the Director of Teaching and Learning (Postgraduate), Prof. Eunan O'Halpin at [ohalpine@tcd.ie](mailto:ohalpine@tcd.ie).

### RESEARCH PROGRAMMES

The School of Histories and Humanities offers research supervision across a range of disciplines leading to the award of the M.Litt and Ph.D. degrees. Research students are strongly advised to acquire laptop computers and, where appropriate, digital cameras and other research tools. Limited financial support may be provided towards the cost of such equipment in individual cases.

### M.PHIL. COURSES (TAUGHT)

The School offers a number of taught M.Phil. programmes of one year's duration. The programmes are a recognised pathway to doctoral studies as they provide generic research skills training in addition to specialist subjects and dissertation supervision.

Each M.Phil. has a published closing date for applications. In some circumstances late applications may be considered. In such cases prospective applicants are advised in the first instance to consult the designated course director.

# arts, humanities and social sciences

## NAMED DEGREE COURSES

### DOCTORATE IN TEXTS, CONTEXTS, CULTURES (Ph.D.)

*Course Co-ordinator: Dr Crawford Gribben*

*Closing Date: 1 March 2008 (late applications may be considered if places are still available)*

*Telephone: +353 1 896 1111*

*Fax: +353 1 671 7114*

*Email: [crawford.gribben@tcd.ie](mailto:crawford.gribben@tcd.ie)*

Texts, Contexts, Cultures is an ambitious, dynamic and innovative multi-disciplinary and multi-institutional PhD programme delivered in co-operation between three of Ireland's leading institutions in the Arts and Humanities - Trinity College Dublin, University College Cork and NUI Galway. The programme investigates the most basic component of Arts and Humanities research – the text as material object. Texts, Contexts, Cultures has therefore been developed around three coherent themes: history of the book; images of Ireland; and Renaissance intellectual history.

The programme revolutionises the traditional Ph.D. First-year students take courses in core skills and in the programme's core themes which will be taught across institutions by video-conferencing. Students in years one to four pursue doctoral research in a specific discipline under the guidance of a supervisory panel, which may be multi-institutional in character, and are also provided with the opportunity for a substantial work placement. Texts, Contexts, Cultures is uniquely positioned to prepare students for life after graduation, whether in or beyond academia.

Successful applicants should have a good honors degree in an Arts & Humanities or related subject. Applicants can apply to internal and external funding sources. Students who apply for entry in 2008-9 will be able to apply for twelve Trinity Long Room Hub scholarships, which will fully fund successful students throughout the 4-year programme.

## M.PHIL. COURSES

### GENDER AND WOMEN'S STUDIES (M.Phil./P.Grad.Dip.)

#### COURSE CODE 550/551

*Course Director: Dr Maryann Valiulis*

*Duration: M.Phil.: One year, full-time, two years, part-time;*

*P.Grad.Dip.: One year, full-time, two years, part-time*

*Credit Value: M.Phil.: 90 ECTS; P.Grad.Dip.: 60 ECTS*

*Closing Date: 30 April 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.*

*Telephone: +353-1-896 2225*

*Email: [CGWS@tcd.ie](mailto:CGWS@tcd.ie)*

*Internet: [www.tcd.ie/CGWS](http://www.tcd.ie/CGWS)*

This course is designed to provide a critical understanding of the current scholarship on the position and representation of gender in society. Drawing on insights and perspectives from a number of academic fields, the course is both interdisciplinary and multidisciplinary. The core of the course is provided by modules in Feminist Theories and Feminist Research Methodologies. Participants also undertake optional courses drawn from a range including the following: Creative Writing; Feminist Theory and Law; Gender and Film; Gender and Globalisation; Gender and Nation in Irish Writing; Gender and the Culture of Violence; Gender and Visual Culture; Irish Feminism from 1860; Queer Theory; Readings on

Masculinities; The Psychological Development of Girls and Women; Women and the Family; Women in Europe and the U.S in the 1920s and 1930s; Women, Work and Employment (note: not all courses are available every year and additional courses may be offered).

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

The award of M.Phil. will depend on the satisfactory completion of four course essays and a dissertation. The award of a Postgraduate Diploma will depend on the satisfactory completion of five course essays.



## IRISH ART HISTORY (M.Phil.)

### COURSE CODE 704

*Course Director:* Dr Yvonne Scott

*Duration:* One year, full-time

*Credit Value:* 90 ECTS

*Closing Date:* 30 April 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 2480/3151

*Email:* [triarc@tcd.ie](mailto:triarc@tcd.ie)

*Internet:* [www.triarc.ie](http://www.triarc.ie)

The M.Phil. in Irish Art History was developed in response to the growing international interest in Irish art, and consequent demand for research and educational opportunities in the discipline. It comes within the ambit of the recently established Irish Art Research Centre within the Department of History of Art and Architecture and draws on the expertise of staff in the department as well as a range of guest lecturers from other institutions. The programme comprises a number of courses designed to explore traditions and innovations in Irish painting, sculpture, architecture and other visual artefacts in their national and international context, and in relation to other disciplines.

To achieve its aims, the content encompasses eight key components: a general survey of developments from Megalithic to Contemporary Irish art; the detailed study of selected periods of excellence; engagement with themes and issues of debate; analysis of approaches and methodologies of research; introduction to a range of repositories of primary and secondary research material; exposure to current research interests of staff, guest specialists, and other postgraduate students; familiarity with a range of works of art and architecture through direct engagement, and through slides, digital images

# arts, humanities and social sciences

and illustrated texts; experience of personal research on a relevant subject chosen by the student. Students are assessed on a range of coursework assignments, and a dissertation of not more than 20,000 words. They will be introduced also to selected technical skills relevant to the art historian in the digital age.

Applicants should have a good honors (upper second-class or higher) degree in an appropriate discipline, such as art history, architecture, history, literature, philosophy, language studies, politics, and social studies, and demonstrate a keen interest in visual art. Not all qualified applicants can be accepted due to a restricted quota.

The M.Phil. degree is complete in itself, but may also provide an introduction to graduate research for students wishing to go on to pursue a research degree, M.Litt. or Ph.D. in Art History.

## MEDIEVAL HISTORY (M.Phil.)

### COURSE CODE 225

*Course Director:* Prof. Terry Barry

*Duration:* One year, full-time

*Credit Value:* 90 ECTS

*Closing Date:* 30 June 2008. Applications should be addressed directly to Prof. Terry Barry, Department of History, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1160

*Fax:* +353-1-896 3995

*Email:* [tbarry@tcd.ie](mailto:tbarry@tcd.ie)

*Internet:* [www.tcd.ie/history/postgraduate/medmphil.php](http://www.tcd.ie/history/postgraduate/medmphil.php)

Medieval History has a well-established one-year taught course leading to the degree of M.Phil. and consisting of a combination of coursework, the selection of an area of specialisation and the preparation of a dissertation of some 20,000 words. Courses are provided for beginners in palaeography and in Latin and/or other relevant languages, though it is also possible to cater for students who already have some knowledge in these areas.

A central part of the course is the M.Phil. seminar each week, which contributes greatly to the sense of cohesion and cross-fertilisation of ideas that is a feature of the M.Phil. class.

M.Phil. students are also free to attend the weekly graduate seminar at which M.Litt. and Ph.D. students read papers, and are accorded the same treatment as other graduate students, with permanent access to the equipment and library in the medieval research centre.

The M.Phil. course is complete in itself, leading to the award of a postgraduate degree, but it also provides an opportunity to obtain in a friendly atmosphere, basic training which can then be applied to more advanced graduate work leading to the degrees of M.Litt. or Ph.D.



**MODERN IRISH HISTORY (M.Phil./P.Grad.Dip.)****COURSE CODE 732**

*Postgraduate Co-ordinator:* Prof. Eunan O'Halpin

*Duration:* One year, full-time

*Credit Value:* M.Phil.: 90 ECTS; P.Grad.Dip.: 60 ECTS

*Closing Date:* 1 April 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2. Late applications may be considered subject to the availability of places - should the course be oversubscribed a 'waiting list' will operate.

*Telephone:* +353-1-896 1020

*Fax:* +353-1-896 2291

*Internet:* [www.tcd.ie/history/postgraduate/ireland.php](http://www.tcd.ie/history/postgraduate/ireland.php)

The course is intended as an introduction for well-qualified Humanities or Social Sciences graduates to research in Modern Irish History. The emphasis in the M. Phil. in Modern Irish History will be on the study of problems, issues and epochs in a broadly comparative context, rather than treating Irish history as somehow 'exceptional'. As well as taking subject specific modules in various aspects of the political, military, social, economic, religious and cultural history of modern Ireland, students will be exposed to a rigorous research training programme. 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.

The course work consists of four elements and students are expected to attend all taught components of the course

- i) First, every student will take two major subjects of study. Availability of individual subjects will vary from year to year.
- ii) Second, there is an emphasis on generic research training. A limited number of unpaid internships with appropriate cultural and historical projects are available as an elective element of 'Introduction to Historical Research', and students taking these receive appropriate ECTS credits.

- iii) Third, students seeking the M. Phil. submit a dissertation of 15,000-20,000 words based on primary sources. This might form the basis for further historical research or lead to publication.
- iv) Fourth, each week in term students attend any two of the three standing departmental research seminars in Irish and British History (1500-1900), Contemporary Irish History (post-1921) and Modern European History. These seminars provide a forum for distinguished scholars, postgraduates and postdoctoral fellows from throughout the world to present papers.





# arts, humanities and social sciences

## REFORMATION AND ENLIGHTENMENT STUDIES (M.Phil./P.Grad.Dip.)

### COURSE CODES 171/675

*Course Co-ordinator:* Dr Helga Robinson-Hammerstein

*Duration:* One year, full-time

*Credit Value:* M.Phil.: 90 ECTS; P.Grad.Dip.: 60 ECTS

*Closing Date:* 30 June 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1045

*Email:* [hmmrstn@tcd.ie](mailto:hmmrstn@tcd.ie)

*Internet:*

[www.tcd.ie/history/postgraduate/reformationphil.php](http://www.tcd.ie/history/postgraduate/reformationphil.php)

The course is intended as an introduction for well-qualified arts graduates to research into problems and methods in intellectual, social and religious history, drawing on the resources of historic Dublin libraries (the Long Room in Trinity College (Early Printed Books Department) Marsh's Library, The Chester Beatty Library, the Edward Worth Library) and staff research interests. The award of the M.Phil degree (with distinction) entitles the applicant for higher degree to be placed on the Ph.D. register at Trinity College without any further procedure.

60

The course work will consist of four elements:

- A) Two major subjects of study in each of the Michaelmas and Hilary terms. These will be taught by means of a weekly two-hour seminar in each subject.
- B) A course in Analytical and Historical Bibliography in the Early Modern Period: the History of the Book. The course of weekly two-hour seminars extends over both Michaelmas and Hilary Terms.

- C) A class project, prepared in Trinity (summer) Term involving the design of a virtual exhibition and the preparation of desktop publications applying the knowledge and skills acquired in courses offered under A and B.
- D) An individually supervised dissertation (15,000-20,000 words).

Assessment is made through a combination of essays/ assignment and the dissertation. To be given permission to progress with the dissertation, candidates must successfully complete the tasks in each of the course components. The degree is awarded entirely on the basis of the dissertation, which is assessed by two internal examiners and the external examiner for the degree of M. Phil. in Reformation and Enlightenment Studies, Dr Jane Dawson (University of Edinburgh).

Candidates who satisfy the examiners in everything but the dissertation may be considered for the award of a Postgraduate Diploma in Reformation and Enlightenment Studies.





## School of Languages, Literatures and Cultural Studies

*Head of School:* Professor Moray McGowan

*Director of Teaching and Learning (Postgraduate):*  
Professor Cormac Ó Cuilleaináin

*Telephone:* +353-1- 896 1706

*Email:* [sllcs@tcd.ie](mailto:sllcs@tcd.ie)

*Internet:* [www.tcd.ie/langs-lits-cultures](http://www.tcd.ie/langs-lits-cultures)

Trinity College has the world's oldest tradition of modern language studies, with chairs dating back to 1776.

The School's research in literary, language and cultural studies ranges from the medieval to the very contemporary. Well-qualified research students are welcomed in all Departments within the School; enquiries for M.Litt. or Ph.D. research should be made in the first instance to the Department or Centre concerned. In addition, a cluster of innovative taught postgraduate degrees offers a broad range of possibilities, leading to research or to professional practice in areas of language, literature and cultural life.

Among the taught postgraduate degrees currently being offered within the School are: the M.Phil. in Comparative Literature, the M.Phil. in Literary Translation, the M.Phil. in Early Irish, the M.Phil. in German Literature with Language Pedagogy, the M.Phil. in Medieval Language, Literature & Culture, and the M.Phil. in Textual & Visual Studies. The School's international research and postgraduate culture is strengthened by formal and informal links with universities in Europe and beyond.

There are seven academic units within the School:

- the Centre for European Studies
- the Department of French
- the Department of Germanic Studies
- the Department of Hispanic Studies
- the Department of Irish & Celtic Languages
- the Department of Italian
- the Department of Russian & Slavonic Studies

At postgraduate level, some courses are also offered directly by the School or by specialist units such as the Centre for Medieval & Renaissance Studies.

# arts, humanities and social sciences

## M.PHIL. COURSES

### COMPARATIVE LITERATURE (M.Phil.)

#### COURSE CODE 745

*Course Director:* Dr Caitriona Leahy

*Duration:* One year, full time (beginning October – end September)

*Closing Date:* 1 May 2008

*Telephone:* +353-1-896 1107

*Email:* cleahy@tcd.ie

*Internet:* [www.tcd.ie/langs-lits-cultures/postgraduate/comparative\\_literature/](http://www.tcd.ie/langs-lits-cultures/postgraduate/comparative_literature/)

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.

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

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 15,000-20,000 words whose theme and approach should be comparativist.

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

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

The two core modules each contribute 20% of the overall assessment, the options each contribute 10% and the dissertation 40%.



**EARLY IRISH (M.Phil.)****COURSE CODE 628**

*Course Co-ordinator:* Prof. Damian McManus

*Duration:* One year, full-time

*Closing Date:* 31 July 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1105

*Email:* pmcmanus@tcd.ie

*Internet:* [www.tcd.ie/langs-lits-cultures/postgraduate/early\\_irish/](http://www.tcd.ie/langs-lits-cultures/postgraduate/early_irish/)

The M.Phil. course builds on the material presented in the Postgraduate Diploma in Old Irish. Applicants will therefore normally have successfully completed the latter course, though persons with equivalent competence in Old Irish but who have not successfully completed the diploma are also eligible to apply. All candidates undertake core courses in Old Irish prose and Old Irish poetry. They must also choose an optional course from comparative linguistics, early Irish law or Middle Irish. In addition students attend a series of guest lectures organised by the department, and all undertake a dissertation of 20,000 words.

**GERMAN LITERATURE WITH LANGUAGE PEDAGOGY (M.Phil./P.Grad.Dip.)****COURSE CODE 742/757**

*Course Co-ordinator:* Dr Gilbert Carr

*Duration:* One year, full-time; two years, part-time

*Closing Date:* 30 April 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1373

*Email:* germanic@tcd.ie

*Internet:* [www.tcd.ie/langs-lits-cultures/postgraduate/german\\_pedagogy/](http://www.tcd.ie/langs-lits-cultures/postgraduate/german_pedagogy/)

'Literatur – Kultur – Sprache', a one-year taught M.Phil. programme, is specifically designed as a preparation for graduates aiming at a career in third-level teaching, though it is also taken by other advanced students interested in deepening their understanding of modern German culture and its intellectual contexts (current courses range from 'Erzählungen vom Unbewussten in Aufklärung und Romantik' through 'Um 1900: Jahrhundertwende' to 'Kunst nach Auschwitz').

The course trains students in literary critical methodology, through courses in Theory and Methodology and 'Praktikum Textarbeit'. It also provides an introduction to language pedagogy: the course Didaktik Deutsch als Fremdsprache studies theories of language acquisition and their practical application, including that of intercultural contexts. The 25,000 word dissertation, usually on a literary, cultural or related topic, is an opportunity to explore a chosen topic in depth and a preparation for research.

# arts, humanities and social sciences

## LITERARY TRANSLATION (M.Phil.)

### COURSE CODE 715

*Course Director:* Dr Susana Bayó Belenguer

*Duration:* One year, full-time

*Closing Date:* 30 June 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1979

*Email:* [translat@tcd.ie](mailto:translat@tcd.ie) or [bayobels@tcd.ie](mailto:bayobels@tcd.ie)

*Internet:* [www.tcd.ie/langs-lits-cultures/postgraduate/literary\\_translation/](http://www.tcd.ie/langs-lits-cultures/postgraduate/literary_translation/)

There is widespread interest in literary translation as a form of literary study, and as a discipline that extends the reading and writing skills obtained in an Arts degree.

The course brings together in an interdisciplinary framework, the expertise to create a unique programme for practitioners, future practitioners and students of the art of translation. The target language is English, but the following source languages are also available: French, Italian, Spanish, German, Russian, Czech and Polish.

Where requested, we will try to provide support in other languages. The programme is taught by experienced lecturers, several of whom have published translated books, and by guest translators. It features a seminar in which students present and discuss their own work.

A graduate of the course will be well equipped to undertake literary, cultural, academic or philosophical translation, and will be qualified for employment in any area demanding intercultural awareness and excellent writing and analytical skills. The aim is to teach translation as an art, and to form professionals who will have learned to work in an ethos of mutual intellectual and linguistic exchange.

The M.Phil combines two core courses, which address theoretical, linguistic and practical issues common to all, or most translation situations. It also provides a selection of specialised options, which include courses on the practical issues of literary translation and the comparative approach.

## MEDIEVAL LANGUAGE, LITERATURE AND CULTURE (M.Phil.)

### COURSE CODE 671

*Course Director:* Prof. Eiléan Ní Chuilleanáin

*Duration:* One year, full-time

*Closing Date:* 30 June 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1360

*Email:* [enchl1nn@tcd.ie](mailto:enchl1nn@tcd.ie)

*Internet:* [www.tcd.ie/langs-lits-cultures/postgraduate/medieval\\_language/](http://www.tcd.ie/langs-lits-cultures/postgraduate/medieval_language/)

This interdisciplinary course is designed for well-qualified graduates who wish to extend their interest in medieval studies. The flexible structure of the course allows students to construct their degree around their particular areas of interest, while acquiring both the technical expertise to investigate primary medieval documents and an insight into the complexities of medieval culture generally. Students will have the opportunity to be taught not only by Trinity staff but also by visiting lecturers from other internationally renowned institutions.

In the Michaelmas term students take four core courses: Research Methodology; Medieval Thought; Medieval Culture and Society; and a language chosen from: Elementary Classical Latin, Medieval Latin, Old English, Middle English, Italian, Medieval German, Medieval French, Old Irish.

In the Hilary and Trinity terms students follow two options. Currently these include: Medieval to Renaissance in English Poetry; The Englishhyng of 'fyn amor'; Women in Medieval Drama; Language and Genre; Varieties of Comedy in Dante and Boccaccio; 'Wild' Women in Medieval Literature; Old English Prose; Arthurian Heroes; Chivalry in Life and Literature; Perceptions of Islam; Late Medieval French Poetry; The Old French 'récit bref'; Music in European Monasteries, Cathedrals and Courts; Music and Liturgy of the Medieval Irish Church; Medieval Philosophy; Introduction to Early Medieval Ireland; Vergil in the Middle Ages; Text and Image; Old Irish poetry; Early Irish Law.

The course concludes with a 20,000 word dissertation to be submitted by 31st August.

Students are encouraged to supplement their studies by attending the seminar programme organised by the Centre for Medieval and Renaissance Studies.



## TEXTUAL AND VISUAL STUDIES: 19th AND 20th CENTURY FRANCE (M.Phil.)

### COURSE CODE 185

*Course Co-ordinator:* Prof. Johnnie Gratton

*Duration:* One year, full-time

*Closing Date:* 31 March 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 2278

*Email:* grattonj@tcd.ie

*Internet:* [www.tcd.ie/langs-lits-cultures/postgraduate/textual\\_visual\\_studies/](http://www.tcd.ie/langs-lits-cultures/postgraduate/textual_visual_studies/)

Designed for well-qualified Arts graduates (or those who have attained an equivalent level in European or other institutions) who have a good working knowledge of both French and English, this course is an introduction to the study of the relationship between the textual and visual in literature, the arts and other areas. The course includes an introduction to historical bibliography and book production (setting type by hand and printing). Its focus is 19th and 20th century France, but set in a wider perspective. The course, run in Trinity College and Universités Paris 7, and Paris X, is also associated with Vrije Universiteit Amsterdam.

65

In the first semester (October - January) students, based in Trinity College, study:

- Text, Image and Semiotics;
- Introduction to writing and photography in 20th century France;
- Introduction to analytical and historical bibliography.

# arts, humanities and social sciences

Coursework is assessed by two assignments, one oral, and one written, in each semester. In the second semester (February - May), students, now based in Paris, study two modules, one from the first three listed below, plus the fourth:

- Qu'est-ce qu'un album (Paris 7);
- L'espace écrit: de l'idéogramme à la typographie (Paris 7);
- Initiation à l'analyse comparée du texte et de l'image (Paris 7);
- Histoire de l'art, de l'image et de l'édition (Paris X).

During the summer (June - September) students are based in either Paris or Dublin. A mémoire in French is submitted and defended by Paris-registered students in June or September. For the M.Phil., a 15,000 word dissertation in French or English is submitted to Trinity College by 30 September.

**Coursework** will be assessed by two assignments, one oral, one written, in each semester.

**Summer Period** (June – September: Paris or Dublin)

**For the Master**, a mémoire in French is prepared for Paris 7 or Paris X.

**For the M.Phil.**, a 15,000-word dissertation in French or English is submitted to TCD by 30 September.

## 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 listed 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.

## OLD IRISH (P.Grad.Dip.)

### COURSE CODE 627

*Course Co-ordinator:* Prof. Damian McManus

*Duration:* One year, full-time

*Closing Date:* 31 July 2009. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1105

*Email:* pmcmanus@tcd.ie

*Internet:* [www.tcd.ie/langs-lits-cultures/postgraduate/old\\_irish/](http://www.tcd.ie/langs-lits-cultures/postgraduate/old_irish/)

This course is intended to provide graduates in related disciplines with a solid grounding in Old Irish language and literature. 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.

The course commences with an introduction to Old Irish, proceeds on to Old Irish literature, including readings in lyrical verse, and also covers Old Irish glosses and saga literature.





## School of Law

*Head of School:* Professor William Binchy

*Director of Teaching and Learning (Postgraduate):*  
Dr Neville Cox

*Telephone:* +353-1-896 1125

*Fax:* +353-1-677 0449

*Email:* [mccabek@tcd.ie](mailto:mccabek@tcd.ie)

*Internet:* [www.tcd.ie/law](http://www.tcd.ie/law)

Trinity College Law School, founded in 1740, is Ireland's oldest and most internationally renowned Law School. It has a distinguished team of professors and lecturers and, with the most academically demanding undergraduate admission requirements of any law school in the Republic of Ireland, a student population of over 400 undergraduates and approximately 120 postgraduates of the highest calibre.

The Law School is strongly committed to maintaining and further developing its reputation for rigorous legal scholarship and research, both in a national and international context. In summary it seeks to serve society through education, research and public service and to promote standards of excellence in all its activities. Many staff and student members are heavily involved with the governmental, commercial and voluntary sectors both nationally and internationally, in areas such as children's rights, constitutional law reform, environmental policy, legal aid, law reform, minority rights, public interest and pro bono litigation, social welfare policy and women's rights.

The Law School offers a taught Masters programme (LL.M.) which is directed at well-qualified graduates in law. It seeks

to promote critical analysis of, and reflection on, different aspects of national, European and international law. As a minimum requirement, candidates for the LL.M. degree must hold a good honors law or law-based interdisciplinary degree. Admission to the programme is at the discretion of the LL.M. Sub-Committee 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. The LL.M. is a full-time course lasting a year. Lectures commence in October and finish in May and a research dissertation must be submitted by the following 1st September. These dates may be altered at the discretion of the LL.M. sub-committee. Candidates are required to take a total of six modules over two semesters, each of eleven weeks duration, and complete a research dissertation of not more than 20,000 words on an approved theme. These requirements may be altered at the discretion of the LL.M. sub-committee. The Law School currently offers a range of modules listed below. For LL.M. module descriptions, staff biographies and further information on admissions please visit [www.tcd.ie/Law/PGCourses.html](http://www.tcd.ie/Law/PGCourses.html).

### RESEARCH PROGRAMMES

The Law School also offers a M.Litt./Ph.D. degree programme and has a reputation for excellence in terms of research supervision. It currently has around 45 students registered for M.Litt./Ph.D. degrees across a wide range of subjects some of whom have formed into research groupings. Seminars are organised on a regular basis to provide a forum for postgraduate research students to present and discuss their work. A student registered for the degree of M.Litt. is required to carry out research under the supervision of a full time member of the academic staff in a legal topic.

# arts, humanities and social sciences

The minimum qualifications for admission as a Ph.D. student are higher than those for admission as a M.Litt. student. In particular, applicants must show evidence of marked aptitude for research and are normally accepted on to the Ph.D. register only after they have spent a period on the M.Litt. register during which this aptitude is assessed. It is required that, save in exceptional circumstances, students should complete an M.Litt. in two years and a Ph.D. in four years.

Applications may also be made by graduates of the University of Dublin of not less than eight years standing for the degree of Doctor in Laws (LL.D.). This degree may be awarded to candidates who are judged to have made an outstanding contribution to the advancement of knowledge as evidenced by the publication of their work of high academic distinction. The level of attainment required for such a higher doctorate is substantially higher than that required for the degree of Ph.D.

## NAMED DEGREE COURSES

### MASTER IN LAWS (LL.M.)

#### COURSE CODE 607

68

*Course Co-ordinator:* Dr Neville Cox

*Duration:* One year, full-time

*Closing Date:* 1 April 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1350

*Fax:* +353-1-677 0499

*Email:* [ncox@tcd.ie](mailto:ncox@tcd.ie)

*Internet:* [www.tcd.ie/Law/PGCourses/index.php](http://www.tcd.ie/Law/PGCourses/index.php)

This programme is delivered over one academic year. Students are examined in six optional subjects and complete a research dissertation of up to 20,000 words over the academic year on an approved theme. Students attend special seminars

designed to encourage a high level of research and analysis. The subjects offered might typically include the following: International Commercial Dispute Resolution; Partnership Law; Legislative Drafting; Product Liability in Europe; Restitution; Medicine and the Law; International anti-trust Law; European Human Rights Law; International Law; Contemporary Problems in Irish Constitutional Law; International Trade Law; Comparative Freedom of Expression; International Economic Law; European Intellectual Property Law; European Merger Law; European Telecommunications Law; EU VAT Laws; Feminism and The Law; Equality Law; International Business Regulation; Alternative Dispute Resolution; Distribution Law. The Law School retains the right not to offer any of these subjects in any given year.

Applications for admission to the LL.M. programme are invited from graduates holding a good honors law or law-based interdisciplinary degree. Admission to the programme is at the discretion of the LL.M admissions committee.

To obtain a brochure in respect of this programme, please contact the course coordinator by email.



## School of Linguistic, Speech and Communication Sciences

*Head of School:* Professor David Little

*Director of Teaching and Learning (Postgraduate):*  
Professor John Saeed

*Telephone:* +353-1-896 1560

*Fax:* +353-1-896 2941

*Email:* [clcsinfo@tcd.ie](mailto:clcsinfo@tcd.ie)

*Internet:* [www.tcd.ie/slscs](http://www.tcd.ie/slscs)

The School of Linguistic, Speech and Communication Sciences offers five taught Masters programmes and a comprehensive range of doctoral research opportunities in the study of general and applied linguistics, speech sciences, speech and language pathology, clinical linguistics and deaf studies. The School was formed in 2005 from three main constituents: The Centre for Language and Communication Studies; the School of Clinical Speech and Language Studies; and the Centre for Deaf Studies.

The Centre for Language and Communication Studies, founded in 1979, is a centre of research in linguistics, applied linguistics, phonetics and speech science and provides teaching at undergraduate and postgraduate levels. The Centre offers four integrated taught Masters degrees in Linguistics, Applied Linguistics, English Language Teaching and Speech and Language Processing.

The Centre offers opportunities for doctoral research in linguistics, applied linguistics, phonetics and speech science. In linguistics students have conducted research on a diverse range of languages and in fields including

language acquisition, computational linguistics (in collaboration with the School of Computer Science and Statistics), sociolinguistics, pragmatics, semantics, phonology, syntax, language planning, morphology, and language typology and universals. In applied linguistics doctoral supervision is available in areas such as autonomy in second/foreign language learning; language transfer; learner strategies and communicative strategies; media and technologies in language learning; metacognition and metalinguistic awareness; pragmatics and language learning; syllabus, learning materials and pedagogical grammar; the age factor in language learning; and the L2 mental lexicon. Research in applied linguistics informs the activities of two campus companies of Trinity College: Authentik Language Learning Resources Ltd, which publishes language learning materials and books for language teachers and Integrate Ireland Language and Training Ltd, which is funded by the Department of Education and Science to provide English language training for adult refugees and to support teachers of English as a second language to immigrant pupils in primary and post-primary schools.

Research in the Phonetics and Speech lab currently has funded research in a range of projects. Three important current strands are: firstly, the analysis and modelling of voice quality, with particular interest in how the voice source as a basic dimension of prosody is exploited both for linguistic purposes and for the paralinguistic communication of emotion and attitude. A second project is the prosody of Irish dialects and of different varieties of Irish English. A third is text-to-speech development for Irish and for Irish English. In a collaborative project with the University of Bangor, Wales, Dublin City University and University College Dublin, researchers are developing the prerequisites for the development of text-to-speech synthesis of Irish.

# arts, humanities and social sciences

**The Department of Clinical Speech and Language Studies** is the longest established area for the education of speech and language therapists in Ireland. In 2005, the School of Clinical Speech and Language Studies became one of the departments of the School of Linguistic, Speech and Communication Sciences.

The primary research focus within the department is on communication in typical and atypical contexts, with particular emphasis on the social experience of communication difficulties. At a postgraduate level, the department offers a range of research opportunities leading to the award of higher degrees (M.Sc., M.Litt., Ph.D.).

An interdisciplinary approach to research is encouraged. On application, prospective students are interviewed to assess the student's suitability and potential as a graduate student and to consider whether the appropriate supervision is available.

Specific research interests of the staff include: acquired communication disorders; augmentative and alternative communication; developmental disorders of speech and language; discourse analysis; fluency; gender issues; identity and disability; language and psychiatry; lifespan development; programme evaluation; voice; and written language development and disorders. The department also offers a range of opportunities for taught postgraduate courses in the area of speech language pathology, with clinical specialisms in dysphagia, acquired communication disorders, augmentative and alternative communication and developmental disorders of speech and language.

**The Centre for Deaf Studies** was established in 2001 as a centre of excellence in education and research in the field of Deaf studies. Its core activities include training for Irish Sign Language tutors and Irish Sign Language/English interpreters, general training in the field of Deaf Studies and

linguistic research focusing on describing Irish Sign Language (ISL). Its primary role as a teaching institute involves training native/near-native Irish Sign Language users.

The Centre offers opportunities for doctoral research in Deaf studies over a broad range of topics, ranging from sign linguistics to language planning and language rights. Current research areas include the linguistic description of Irish Sign Language; the Signs of Ireland project, which is building and transcribing a corpus of Irish Sign Language that will be of use to researchers in the fields of linguistics, interpreting, language teaching, anthropology and sociology; curriculum design for the teaching of Irish Sign Language; and interpreting between spoken and signed languages.

## M.Sc. COURSES

### CLINICAL SPEECH AND LANGUAGE STUDIES (M.Sc.)

#### COURSE CODE 758

*Course Director:* Dr Margaret Walshe

*Course Co-ordinator:* Ms Margaret Leahy

*Duration:* Two years, part-time

*Closing Date:* 30 June 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2. Late applications may be considered subject to the availability of places.

*Telephone:* +353-1-896 1492

*Email:* [walshema@tcd.ie](mailto:walshema@tcd.ie) or [mleahy@tcd.ie](mailto:mleahy@tcd.ie)

*Internet:* [www.tcd.ie/slscs/cs/slscs/courses/taught\\_msc\\_courses.php](http://www.tcd.ie/slscs/cs/slscs/courses/taught_msc_courses.php)

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

The aims of the course are to provide qualified speech and language therapists with opportunities to advance their academic knowledge and professional practice skills with specialist clinical populations.

The specialist strands offered for the academic year 2008-2009 are as follows: (1) Dysphagia (2) Acquired Communication Disorders (3) Child Language (4) Fluency (5) AAC.

For the specialist module in Dysphagia, students may register for a one year Postgraduate Diploma in Dysphagia (see entry below). This course is similar to Year 1 of the M.Sc. course but students do not complete the research component, which leads to a dissertation. Core module courses offered include Research Methods and Statistics, Disability and Society, Ethics, Introduction to Analysis of Talk in Interaction Advanced Counselling and Evidence Based Practice.

Eligible candidates for the M.Sc course should hold at least an upper second-class honors degree in Clinical Speech and Language Studies or an equivalent qualification in Speech and Language Therapy.



## M.PHIL. COURSES

### ENGLISH LANGUAGE TEACHING (M.Phil./P.Grad.Dip.)

#### COURSE CODE 761

*Course Co-ordinator:* Dr Jeffrey Kallen

*Duration:* One year, full-time

*Credit Value:* M.Phil.: 90 ECTS; P.Grad.Dip.: 60 ECTS

*Closing Date:* 30 April 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1560

*Email:* [clcsinfo@tcd.ie](mailto:clcsinfo@tcd.ie)

*Internet:* [www.tcd.ie/slscs/clcs/courses/mphil\\_elt.php](http://www.tcd.ie/slscs/clcs/courses/mphil_elt.php)

The course is aimed at experienced teachers of English as a foreign or second language worldwide. The programme will give practising teachers the opportunity to explore current issues in ELT, and to deepen their understanding of the theoretical and practical concerns that underlie their teaching.

Applicants should have a good honors degree (at least an upper second or equivalent; GPA of at least 3.2). Preference is given to applicants with relevant teaching experience. Students whose first language is not English are provided with a four-week induction programme in September to prepare them for postgraduate study in Ireland. All applicants are expected to show proficiency in at least one language other than their first language.

Students take six modules and undertake a research project that is written up as a 15,000 word dissertation. The modules are taught in Michaelmas and Hilary terms, and the dissertation preparation and writing takes place in Trinity term and the long vacation (July-September). Four core modules are mandatory and two are elective options.

# arts, humanities and social sciences

Core modules include: The pedagogical grammar of English; Second language curriculum planning and implementation; Describing English grammar; and Language testing.

Options may be taken from the wide range of ELT, applied linguistics and linguistics courses offered by Centre for Language and Communication Studies, including for example: Technology, language and communication; the History and globalisation of English; Describing English grammar; and Language variation and change.

Further information is provided in the course handbook available on the CLCS website.

## LINGUISTICS/APPLIED LINGUISTICS/SPEECH AND LANGUAGE PROCESSING (M.Phil./P.Grad.Dip.)

**COURSE CODE 520-521/948-949; 518-519/946-947; 534-535**

*Course Co-ordinator:* Dr Jeffrey Kallen

*Duration:* One year, full-time; two years, part-time

*Credit Value:* M.Phil.: 90 ECTS; P.Grad.Dip.: 60 ECTS

*Closing Date:* 30 April 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1560

*Email:* [clcsinfo@tcd.ie](mailto:clcsinfo@tcd.ie)

*Internet:* [www.tcd.ie/slscs/clcs/courses](http://www.tcd.ie/slscs/clcs/courses)

The aims of these courses are: to introduce students to techniques of linguistic description and central concepts in linguistics/applied linguistics/speech science and language processing; to proceed from this basis to more advanced study of central topics in linguistics/applied linguistics/speech science and language processing; and via the dissertation component to introduce students to research in linguistics/applied linguistics/speech science and language processing. Normally only graduates with language teaching experience are admitted to the course in Applied Linguistics.

In each M.Phil. course, students take six modules and undertake a research project that is written up as a 15,000 word dissertation. The modules are taught in Michaelmas and Hilary terms, and the dissertation preparation and writing takes place in Trinity term and the long vacation (July-September). Four core modules are mandatory and two are elective options.

Full-time students on the CLCS M.Phil. courses select one optional module per term; part-time students usually choose one per year.





## 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 listed 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.

## CLINICAL SPEECH AND LANGUAGE STUDIES (DYSPHAGIA) (P.Grad.Dip.)

### COURSE CODES 759

*Course Director:* Dr Margaret Walshe

*Course Co-ordinator:* Ms Margaret Leahy

*Duration:* One year, part-time

*Closing Date:* 30 June 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2. Late applications may be considered subject to the availability of places.

*Telephone:* +353-1-896 1496

*Email:* [walshema@tcd.ie](mailto:walshema@tcd.ie) or [mleahy@tcd.ie](mailto:mleahy@tcd.ie)

*Internet:* [www.tcd.ie/slscs/cslls/courses/taught\\_msc\\_courses.php](http://www.tcd.ie/slscs/cslls/courses/taught_msc_courses.php)

This one year part-time course offers qualified speech and language therapists an opportunity to develop specialist skills in all aspects of dysphagia (swallowing disorders) in both adult and paediatric populations. Classes are timetabled to facilitate speech and language therapists in employment and overseas students.

The course comprises core modules on dysphagia incorporating disability issues, counselling, therapy processes, medico-legal issues and ethics. There will be a strong emphasis on evidence-based practice throughout the modules. Students must undertake to arrange and participate in supervised practical work in dysphagia (with experienced Supervisors to be recognised by the School). Exemptions may be made for students who have already completed a recognised introductory course in dysphagia.



# arts, humanities and social sciences

## School of Psychology

*Head of School:* Dr Howard V Smith

*Director of Teaching and Learning (Postgraduate):*  
Dr Kevin Tierney

*Telephone:* + 353-1-896 1886

*Fax:* +353-1-671 2006

*Email:* [psychology@tcd.ie](mailto:psychology@tcd.ie)

*Internet:* [www.psychology.tcd.ie](http://www.psychology.tcd.ie)

The School of Psychology, a leading research area in the country with an international research profile, has 22 full-time and 5 part-time academic staff, 50 postgraduate research students and 150 places on postgraduate taught programmes. The research activities of the School are organised in three broad streams. These are entitled 'Culture, Systems and Development', 'Health, Clinical and Counselling' and 'Neuroscience and Cognition'. The School offers five taught postgraduate programmes – Higher Diploma in Psychology, Diploma in Clinical Supervision, Master of Science in Counselling Psychology, Doctorate in Clinical Psychology and the Master of Applied Psychology.

### RESEARCH PROGRAMMES

*Closing Date:* While there is no deadline for applications, please note that any student wishing to apply for School or College fellowship or studentship funding must submit their application by mid-April of their intended year of entry.

The School will consider applications for postgraduate research across the wide area of its expertise. However, intending applicants are strongly advised to communicate with potential supervisors before submitting their application. Postgraduate research students are expected to attend the School's research seminars, which take place on a regular basis during the teaching terms. Each postgraduate is expected to present a research proposal at an appropriate early point in the development of their ideas. A research-skills course is usually provided in alternate years.

The School runs an annual appraisal system for all postgraduate research students aimed at facilitating and monitoring their progress throughout the course of their research. Two independent members of staff are assigned as the student's appraisal committee at the beginning of their studies. As part of this system each student is required to present a progress report to their appraisal committee every year.

Many members of the School have ongoing collaborations with researchers within TCD and abroad. Some members of staff are also members of the recently established Trinity College Institute of Neuroscience ([www.tcd.ie/Neuroscience/](http://www.tcd.ie/Neuroscience/)) and the Trinity College Children's Research Centre ([www.tcd.ie/childrensresearchcentre](http://www.tcd.ie/childrensresearchcentre)). Some of the many leading international institutions with which we have links are University College London, UK; Oxford University, UK; UC Berkeley, USA; NASA Ames, USA and Max Planck Institute, Germany.



### Culture, Systems and Development

This stream focuses on behaviour in its cultural, social and technological context, including the analysis of personal development and organisational change. Within this framework, current programmes of research concern:

- life course psychological change;
- language acquisition and development, particularly in atypical populations;
- origins, diagnosis and treatment of Dyslexia;
- human behaviour and accident causation;
- organisational safety systems and culture.

Three research groups play a large role in the research of this stream. The Children's Research Centre (a joint initiative of the School of Psychology and the School of Social Work and Social Policy) is concerned with research, policy and practice in the service of Irish children, particularly those who are disadvantaged. The Aerospace Psychology Research Group undertakes research in human and organisational factors in aviation safety and the Dyslexia Research Group carries out basic research on developmental dyslexia and on the design of diagnostic tools.

### Health, Clinical and Counselling

This stream is responsible for the provision of the Department's postgraduate professional training courses in Clinical Psychology and Counselling Psychology, the teaching of psychology to Health Science students, and the development of a diverse range of research programmes. These include studying the contribution of environmental and socio-cultural factors in health, illness and healing, as well as a major programme on functional brain imaging of cognitive mechanism in addiction.

The Health Psychology Research Group has established two major areas of research activity: the influence of culture on the experience and expression of physical and mental health; and the rehabilitation of amputees, particularly in relation to phantom experiences and prosthetic embodiment.

### Neuroscience and Cognition

This stream has an active programme of research in the area of brain and mind. It is organised in the following groups: Cognitive science of thinking (experimental and computational studies of thinking, reasoning and problem solving); Behavioural neuroscience (mapping by the brain of the world around us; the role of hippocampal cortical connections in memory and in repairing the brain after damage); Brain rehabilitation (ways of repairing the brain after damage and methods to improve brain function in normal brains); Object perception (recognising common and uncommon objects through sight and touch); Sensory systems and perception (visual and vestibular representation of the world and the neural structures responsible) and Information Theory (quantitative principles of information processing).

Members of the Neuroscience and Cognition stream are also members of the Trinity College Institute of Neuroscience (TCIN), a unique interdisciplinary institute conducting parallel laboratory and clinical investigations of the mechanisms of change to the nervous system.

# arts, humanities and social sciences

## NAMED DEGREE COURSES

### DOCTORATE IN CLINICAL PSYCHOLOGY (D.Clin.Psych.)

#### COURSE CODE 608

*Course Director:* Dr Kevin Tierney

*Duration:* Three years, full-time

*Closing Date:* 16 January 2008. Applications should be addressed directly to the Doctoral Programme in Clinical Psychology, Department of Psychology, Áras an Phiarsaigh, Trinity College, Dublin 2.

*Telephone:* +353-1-896 2425/3915

*Secretarial email addresses:* [amatthew@tcd.ie](mailto:amatthew@tcd.ie) and [shmccorm@tcd.ie](mailto:shmccorm@tcd.ie)

*Internet:* [www.tcd.ie/Psychology/clinical.html](http://www.tcd.ie/Psychology/clinical.html)

The D.Clin.Psych. is a three-year professional training course in clinical psychology. This practitioner doctorate aims to combine effectively the three components of training – research expertise, academic knowledge and clinical experience. Consistent with the core philosophy of the course, there is a strong developmental focus, with particular emphasis on the clinical application of attachment theory.

- 76 The course currently attracts a high number of applicants and competition for the limited number of places is intense. Requirements for selection include a primary honors degree in psychology with at least an upper second-class award or equivalent. Good research skills and relevant experience are an asset. Candidates are required to hold graduate basis for registration with the Psychological Society of Ireland. The course is structured so that the academic teaching typically takes place in term time for one and a half days per week. In addition, each placement is preceded by a teaching block of approximately four weeks duration. Students complete six clinical placements during the course, each of approximately five months

duration, providing knowledge, skills and experience to work with as wide a range of clients as possible. Research training is continuous across the programme.

Course requirements include continuous clinical assessment, examinations and a research portfolio combining reports of clinical activity, small and large scale research projects and demonstrating research competency across a range of methodologies. Progress on the course is assessed by an end-of-year review which each student must pass.

Research interests of staff include attachment theory, developmental psychopathology, health psychology, research methods, power and therapy, forensic psychology, discourse analysis, health psychology, risk perception, quality of life perception and applied behaviour analysis.

All graduates of the course are required to complete an additional three-year contract of employment with their sponsoring service provider.



## M.Sc. COURSES

### APPLIED PSYCHOLOGY (M.Sc.)

#### COURSE CODE 743/744

*Course Director:* Dr Tim Trimble

*Duration:* One year, full-time; two years, part-time

*Closing Date:* 1 May 2008

*Telephone:* +353-1-896 3905

*Email:* tim.trimble@tcd.ie

*Internet:* [www.tcd.ie/Psychology/applied.html](http://www.tcd.ie/Psychology/applied.html)

The course is designed to provide students with a thorough appreciation of issues in applied psychology, knowledge of the skills required to apply psychology 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, which establishes a firm basis for students to further professional training and development in psychology. 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.

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

The course will normally last for one year in the full time mode or two years in the part-time mode. The following two core modules are compulsory and will be offered every year; "Philosophical and professional issues in applied psychology", and "Research Methodology and Statistics".

A range of applied optional modules will be offered each year and students must take four of these modules. In addition students will be required to submit a dissertation based on an empirical investigation of a topic in applied psychology.

### CLINICAL SUPERVISION (M.Sc.)

#### COURSE CODE 763

*Course Director:* Ms Mary Creaner

*Duration:* Two years, part-time

*Credit Value:* 90 ECTS

*Closing Date:* 31 May 2008. Late applications may be considered if places remain available after the closing date. Applications for admission must be secured from and submitted directly to:

Course Secretary, M.Sc. in Clinical Supervision (Psychology),  
School of Psychology, Trinity College, Dublin 2.

*Telephone:* +353-1-896-2094 / 896-2431

*Email:* creanerm@tcd.ie

*Internet:* [www.tcd.ie/Psychology/pgtaught.html](http://www.tcd.ie/Psychology/pgtaught.html)

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

There are six taught modules. In addition each year students are required to successfully complete a Professional Clinical Practice Module under clinical supervision. Students are also required to submit a dissertation based on empirical enquiry into an aspect of clinical supervision.

# arts, humanities and social sciences

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.

## **COUNSELLING PSYCHOLOGY (M.Sc.)**

### **COURSE CODE 205**

*Course Director:* Dr Ladislav Timulak

*Duration:* Two years, full-time

*Closing Date:* 15 February 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1489

*Email:* [timulakl@tcd.ie](mailto:timulakl@tcd.ie)

*Internet:* [www.tcd.ie/Psychology/Counselling.html](http://www.tcd.ie/Psychology/Counselling.html)

This intensive course provides a professional training in counselling psychology for a yearly in-take of up to 20 students. It is accredited by the Psychological Society of Ireland. In the first year the course offers graduates in psychology with at least a second-class honors degree and some related experience, academic and practical skills training in counselling psychology and related research. After six weeks of concentrated, full time coursework and personal development work, two full days per week are spent on placement and two to three in classes. The course offers a wide range of placement options in community, health, mental health, education and private practice settings, as well as welcoming new student recommended sites, particularly for those students residing outside the greater Dublin area. At least two different placements are required during the two years of the course. The second year involves further training in counselling theories and practice, and students conduct a research

dissertation related to counselling psychology, initiated during the summer before entering second year. Personal development work, including individual therapy, is required throughout the two years.

Humanistic theory informs the course. Psychodynamic and systemic perspectives are also emphasised, and training in cognitive behavioural approaches is provided. Practical placements may continue through the summer and always follow the placement site's calendar, not that of College. Some students may be required to take a summer placement and/or do additional prescribed work during the summer. Guidelines for all aspects of the course are provided. All components of the course must be passed, i.e. practical (placement, course supervision), academic (multiple written reports), research (dissertation), and personal development, as well as members of the Examination Board recommending the student as suitable to receiving the M.Sc. in Counselling Psychology degree.

Graduates of this course are skilled to conduct mental health assessments and therapy with adolescents and adults (there is also one child placement), individuals, couples and groups. They are employed by Health Service Executive, e.g. the National Counselling Service, Refugee and Asylum Seekers Service, Autism Services; Voluntary agencies, e.g. St. John of God's Services, Brothers of Charity Services, National Association for the Deaf; third level student counselling services; private practice; research settings; and multiple other locations.

Applicants with good written and spoken English (due to the nature of this profession) from other EU and non-EU countries are very welcome to apply.



## 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 listed 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.

### APPLIED BEHAVIOUR ANALYSIS (P.Grad.Dip.)

#### COURSE CODE 772

*Course Director:* Dr Rita Honan

*Duration:* One year, full-time

*Credit Value:* 60 ECTS

*Closing Date:* 30 June 2008. Late applications are reviewed on a space available basis.

*Telephone:* +353-1-896 2431; 896 3906

*Email:* aba.course@tcd.ie

*Internet:* [www.tcd.ie/Psychology/ABA](http://www.tcd.ie/Psychology/ABA)

This intensive course provides a professional, basic training in applied behaviour analysis (ABA) for a yearly intake of up to 30 students. It has approved course sequence status from the Behaviour Analysis Certification Board, an international body which sets standards for training and provides a route for securing Associate level Certification status. It also offers 12 continuing professional development credits for graduate members of the Psychological Society of Ireland.

Although the course is designated to be full-time due to practical experience requirements, classes are conducted approximately one Friday evening per month and every other Saturday to accommodate working professionals. Placement practice in behaviour analytic practice must be supervised by a course approved supervisor.

Students receive continuous assessment and feedback through their regular supervision sessions and participation in class activities. There are casework projects to be submitted throughout the course, and in-class tests consisting of multiple choice and short answers and a cumulative final exam. There is a 3,000 word literature review and an end of course formal case presentation. Placement practice in ABA is also formally assessed at mid and end course points. Students maintain a portfolio of their work throughout the course.

All aspects of the course must be passed for the Course of Examiners to recommend a student for the Postgraduate Diploma in Applied Behaviour Analysis.

Graduates of this course are skilled at least to minimum level to enter and engage in the ethical practice of ABA, to conduct functional behavioural assessments, implement and at times design behaviour support plans or learning/skill acquisition programmes, and analyse and display data to make informed decisions around intervention and learning needs. Graduates may expect to be employed by the Health Service Executive, autism services, voluntary agencies, private schools, parents, and the Department of Education and Science.

Applicants from Ireland as well as from other E.U. and non-E.U. countries who meet entry criteria and are employed in Ireland in an educational or human service setting are welcome to apply. This course is equivalent to 60 ECTS credits. Please refer to the course website for detailed information.

# arts, humanities and social sciences

## CLINICAL SUPERVISION (PSYCHOLOGY) (P.Grad.Dip.)

### COURSE CODE 712

*Course Co-ordinator:* Ms Mary Creaner

*Duration:* One year part-time – 120 hours. There is a further requirement of 60 hours field practice and a minimum of 12 hours off-site clinical supervision of this practice.

*Closing Date:* 28 July 2008 (Late applications may be considered if places remain available after the closing date). Applications for admission must be secured from and submitted directly to: Course Administrator, Postgraduate Diploma in Clinical Supervision (Psychology), School of Psychology, Áras an Phiarsigh, Trinity College, Dublin 2.

*Telephone:* +353-1-896 2094

*Email:* creanerm@tcd.ie

*Internet:* [www.tcd.ie/Psychology/clin\\_supervision.html](http://www.tcd.ie/Psychology/clin_supervision.html)

This professional training course is a one year part-time course which is offered as a specialised post qualification course. It is aimed at experienced and practicing psychologists and psychotherapists/counselors and mental health professionals who wish to further their professional development, and train as supervisors.

The main areas that have informed the development of this programme include reflective practice, learning theory, supervisee development, assessment, evaluation, professional responsibility, management and administration. The course comprises of six inter-related modules.

There is continuous assessment of both practical and theoretical work throughout the course. Competence is developed through a combination of lectures, workshops, discussions, clinical supervision, peer supervision, written assignments and field practice.

## HIGHER DIPLOMAS

### HIGHER DIPLOMA IN PSYCHOLOGY

#### COURSE CODE 720

*Course Director:* Dr Jean Quigley

*Duration:* Two years, full-time

*Closing Date:* 7 March 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 2697

*Address:* Psychology Department, Room 1.21 Áras an Phiarsaigh, Trinity College, Dublin 2.

*Email:* quigleyj@tcd.ie

*Internet:* [www.tcd.ie/Psychology/HDipPsych.html](http://www.tcd.ie/Psychology/HDipPsych.html)

The purpose of the course is to provide a pre-professional qualification in psychology, which confers eligibility for graduate membership of the Psychological Society of Ireland (PSI) and allows a student to proceed to postgraduate training, including higher degrees by research, and to specialise in an area of professional psychology. It is a two year full-time course based on lectures, tutorials, laboratory classes and research projects.

Candidates for admission to the Higher Diploma in Psychology must hold a primary degree with at least second-class honors. Application for entry is not via the CAO system.

Students are evaluated by course work assessment throughout the year, by written examination papers at the end of each year of the course, and by research project in the second year. The student must complete all the work prescribed.

## School of Religions, Theology and Ecumenics

*Head of School:* Professor Linda Hogan

*Telephone:* +353 1 260 1144, Ext. 126

*Fax:* +353 1 260 1158

*Email:* lhogan2@tcd.ie

*Internet:* [www.tcd.ie/ise](http://www.tcd.ie/ise)

The School of Religions, Theology and Ecumenics is a confederation of the School of Religions and Theology and the Irish School of Ecumenics. Their relationship within the School of Religions, Theology and Ecumenics is characterised by complementarity, and their commitment is both to the integrity of each of the two elements of the School and to the development of areas of co-operation between them. The creation of this School takes place in a context of globalisation in which religious and cultural communities live and work in new proximity; the internal resources of different traditions whose origins, interactions and developments are studied in the School are a major asset for values and forms of social and political organisation that contribute to a vibrant civic sphere.

## Irish School of Ecumenics

*Head of School:* Professor Linda Hogan

*Head of Discipline:* Dr David Tombs

*Telephone:* +353-1-260 1144, Ext. 126 (Dublin);

*Telephone:* +44-(0)-28-9077 5010 (Belfast)

*Fax:* +353-1-260 1158 (Dublin);

*Fax:* +44-(0)-28-9037 3986 (Belfast)

*Email:* lhogan2@tcd.ie

*Email:* tombsd@tcd.ie

*Internet:* www.tcd.ie/ise

82

The Irish School of Ecumenics, established in 1970 is a multi-disciplinary, cross-border graduate school within Trinity College Dublin, with 13 academic staff members and 120 post-graduate students committed to applied research at the intersection of politics, social research, theology and religions. It is Christian in its inspiration and ethos, and interdenominational in structure and personnel. Through its research, teaching and outreach the School promotes dialogue between religions, and work for peace and justice globally.

Applied research is at the heart of all work undertaken at ISE, where students engage with crucial issues currently facing governments, religions, NGOs and peace organisations.

The School has campuses in Dublin (three miles from the main TCD campus) and in Belfast. The M.Phil. programmes in Ecumenical Studies, Peace Studies and the Postgraduate Diploma in Conflict and Dispute Resolution Studies are based in Dublin, while the M.Phil. Reconciliation Studies programme is based in Belfast. Students taking research degrees (M.Litt. or Ph.D.) can choose to do their research in either Dublin or Belfast.

## RESEARCH PROGRAMMES

### M.Litt. and Ph.D. Degrees

*Research Co-Ordinator:* Dr Geraldine Smyth

*Telephone:* +353-1-260 1144 (Ext. 111)

*Direct Telephone:* +353-1-206 0353

*Fax:* +353-1-260 1158

*Email:* ressec@tcd.ie

*Internet:* [www.tcd.ie/ise/postgraduate/research.php](http://www.tcd.ie/ise/postgraduate/research.php)

At ISE it is possible to obtain degrees by research across the full range of the School's teaching and research interests. In addition to our taught postgraduate degree programmes the School offers supervision of Master of Letters (M.Litt.) and Doctor of Philosophy (Ph.D.) work in a range of fields of specialisation including **religion and politics; ecumenical theology; inter-religious dialogue; politics of peace and conflict; ethics in international affairs; theologies of reconciliation; international relations theory.**

The doctoral programme is geared towards students whose research interests cross the above fields or who want to pursue their research in an interdisciplinary setting. Though course work does not form part of the programme, students are free to attend courses across the whole range of ISE programmes and in specific cases attendance at courses may be required.

## School of Religions and Theology

*Head of Discipline:* Professor Andrew Mayes

*Telephone:* +353-1-896 1406

*Fax:* +353-1-677 4844

*Email:* amayes@tcd.ie

*Internet:* [www.tcd.ie/Religions\\_Theology](http://www.tcd.ie/Religions_Theology)

### RESEARCH PROGRAMMES

The School of Religions and theology enjoys research strengths in biblical studies, Jewish studies, Theology, and Ethics as well as the collaborative research projects that it sustains - in Mediterranean and Near Eastern Studies, in Religion, Ethics, and Globalisation, and in Religion and Political Liberalism.

In each of its fields of strength the School offers the supervision of postgraduate research leading to the degrees of Master of Letters (M.Litt.) and Doctor of Philosophy (Ph.D.). Neither of these degrees has course requirements, although research students are normally welcome to audit or take third or fourth year (Senior Sophister) undergraduate courses - and on occasions they may be advised or required to do so. At present there are 16 research students working in the School.

The School does not currently offer taught masters programmes, although the development of such programmes is under consideration.

### NAMED DEGREE COURSES

#### BACHELOR IN DIVINITY (B.D.)

##### COURSE CODE 157

*Course Co-ordinator:* Prof. Maureen Junker-Kenny

*Closing Date:* 31 March 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1297

*Email:* [jwelch@tcd.ie](mailto:jwelch@tcd.ie)

*Internet:* [www.tcd.ie/Religions\\_Theology/postgraduate](http://www.tcd.ie/Religions_Theology/postgraduate)

The degree of Bachelor in Divinity is a higher degree awarded on the basis of examination and thesis. Appropriately qualified candidates, accepted for the degree must complete an examination in eight papers and a thesis of 40,000 words within five years. Candidates study independently for the examination, but may obtain advice and a bibliography on each subject from Religions and Theological Studies.



# arts, humanities and social sciences

## M.PHIL. COURSES

### ECUMENICAL STUDIES (M.Phil.(Ecum.)/P.Grad.Dip.)

**COURSE CODE 514-515/928-929**

*Course Co-ordinator:* Dr Andrew Pierce

*Duration:* One year, full-time; two years, part-time. Teaching takes place in Dublin over two ten-week terms (October-December and January-March). A one term (ten week) non-degree programme is available and is ideal for those on sabbatical, or for those who prefer a shorter period of study. There is also the option of attending one course.

*Closing Date:* 30 June 2008. Places may be offered after this date, subject to availability. Applications are reviewed on an ongoing basis from 1st January in the year of admission and should be addressed directly to Ecumenical Studies Programme, Irish School of Ecumenics, Bea House, Milltown Park, Dublin 6.

*Telephone:* +353-1-260 1144 (Ext. 111)

*Direct Telephone:* +353-1-206 0353

*Fax:* +353-1-260 1158

*Email:* [ecumsec@tcd.ie](mailto:ecumsec@tcd.ie)

*Internet:* [www.tcd.ie/ise/postgraduate/ecumenical.php](http://www.tcd.ie/ise/postgraduate/ecumenical.php)

84

From a perspective informed by Christian theology, Ecumenical Studies focuses on three key arenas of dialogue in order to promote a critical understanding of relationships within and between traditions—dialogue within Christianity, with other religions, and with others committed to a study of ethical dimensions of political engagement.

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



The assessment is comprised of four 5,000-6,000 word essays to be completed by 1st May, and an 18,000 -20,000 word dissertation to be completed by 15th September.

All students are registered on a common Masters programme and follow the same assessment procedures for the four required essays: students write an essay for each of the three Core Courses, and one essay for an Elective Course. Subject to satisfactory performance in the four essays, students may proceed to submission of a dissertation for the M.Phil. degree. Students who do not reach that standard, but who nonetheless are judged by the Court of Examiners to have reached a satisfactory level of performance, may be recommended for the award of the Postgraduate Diploma, without further assessment.

Applicants should normally have a second-class honors degree or higher in Theology or Religious Studies or an equivalent degree in a cognate discipline. Students not meeting these criteria may exceptionally be considered at the discretion of the Dean of Graduate Studies.



**PEACE STUDIES (M.Phil.(Peace Studies)/P.Grad.Dip)****COURSE CODE 528-529/930-931**

*Course Co-ordinator:* Dr Iain Atack

*Duration:* One year, full-time; two years, part-time. Teaching takes place in Dublin over two ten-week terms (October-December and January-March). A one term (ten week) non-degree programme is available and is ideal for those on sabbatical, or for those who prefer a shorter period of study. There is also the option of attending one course.

*Closing Date:* 30 June 2008. Places may be offered after this date, subject to availability. Applications are reviewed on an ongoing basis from 1st January in the year of admission and should be addressed directly to Peace Studies Programme, Irish School of Ecumenics, Bea House, Milltown, Dublin 6.

*Telephone:* +353-1-260 1144 (Ext. 113)

*Direct Telephone:* +353-1-218 0532

*Fax:* +353-1-260 1158

*Email:* [peacesec@tcd.ie](mailto:peacesec@tcd.ie)

*Internet:* [www.tcd.ie/ise/postgraduate/peace.php](http://www.tcd.ie/ise/postgraduate/peace.php)

Peace Studies examines the sources of war and armed conflict and suggests methods of preventing and resolving them through processes of peacemaking and peacebuilding. The programme combines perspectives from international relations, ethics and conflict resolution to reflect critically upon the wide range of social, political and economic issues associated with peace and political violence. Students can pursue specialisations in Ethics in International Affairs, Peacebuilding and Development, or International Politics. A week-long Mediation Summer School provides an opportunity to develop practical skills in the area of conflict resolution and mediation. There is also the option to participate in various field trips in Ireland and abroad.

Students attend five courses over one year (full-time) or over two years (part-time). The programme is divided into three areas of specialisation: International Politics, Ethics in International Affairs; Peacebuilding and Development. Students choose one area of specialisation.

All students attend the course on The Politics of Peace and Conflict, preferably in the first year for part-time students. Students must also take at least one of: International Politics, Ethics in International Affairs, Conflict Resolution and Non-violence, or Politics of Development. The remaining courses chosen are optional for each specialisation.

The assessment consists of four 5,000-6,000 word essays to be completed by 1st May, and an 18,000-20,000 word dissertation to be completed by 15th September.

All students are registered on a common Masters programme and follow the same assessment procedures for the four essays required. Subject to satisfactory performance in the four essays, students may proceed to submission of a dissertation for the M.Phil. degree. Students who do not reach that standard, but who nonetheless are judged by the Court of Examiners to have reached a satisfactory level of performance, may be recommended for the award of a Postgraduate Diploma, without further assessment.

Applicants should normally have an honors degree at second-class level or above. Students not meeting these criteria may exceptionally be considered at the discretion of the Dean of Graduate Studies.

# arts, humanities and social sciences

## RECONCILIATION STUDIES (M.Phil./P.Grad.Dip.)

**COURSE CODE 552-553/952-953**

*Course Co-ordinator:* Dr David Tombs

*Campus Location:* A cross-border course - Belfast and Dublin. After orientation in Dublin at the start of the course, teaching takes place in Belfast over two terms (October to December and January to March) and ends with a week-long Spring School in Dublin. For the remainder of the programme, including the summer dissertation period (April-September) students may be based in either Belfast or Dublin depending on their research interests. A one term (ten week) non-degree programme is available and is ideal for those on sabbatical, or for those who prefer a shorter period of study. There is also the option of attending one course.

*Duration:* One year, full-time; two years, part-time

*Closing Date:* 30 June 2008. Places may be offered after this date, subject to availability. Applications are reviewed on an ongoing basis from 1st January in the year of admission and should be addressed directly to Reconciliation Studies Programme, Irish School of Ecumenics, 683 Antrim Road, Belfast, BT15 4EG, Northern Ireland.

*Telephone:* +44-28-9077 0087 (from within the Republic of Ireland 048 9077 0087)

*Fax:* +44-28-9037 3986 (from within the Republic of Ireland 048 9077 3986)

*Email:* reconsec@tcd.ie

*Internet:* [www.tcd.ie/ise/postgraduate/reconciliation.php](http://www.tcd.ie/ise/postgraduate/reconciliation.php)

This Belfast-based degree is an innovative cross-border programme which takes an inter-disciplinary approach to the challenges of social reconciliation in the aftermath of armed conflict. The programme grows out of and addresses the needs and experiences of people in Northern Ireland. Particular attention is given to ethnic conflicts and the

role of religion in such conflicts. It is designed to address the challenge of developing a fuller, more complex and more systematic understanding of theoretical and practical approaches to reconciliation. Thirty years of violence have taught people some costly wisdom about reconciliation, which needs both to be consolidated and further applied in Northern Ireland and to be offered to others who have experienced similar conflicts. Reciprocally, the Reconciliation Studies programme will also be probing conflicts around the world for lessons to be applied in Northern Ireland and more widely. The programme also includes a one-week Spring School in Dublin.

Students also participate in a one-week Spring School in Dublin, which varies in content from year to year. In addition seminars will be organised in support of the programme.

The assessment consists of four 5,000-6,000 word essays: students submit an essay on the first course 'Dynamics of Reconciliation', at least one from courses 2, 3 or 4, and two others – to be completed by 1st May, and an 18,000-20,000 word dissertation to be completed by 15th September.

All students are registered on a common Masters programme and follow the same assessment procedures for the four essays required. Subject to satisfactory performance in the four essays, students may proceed to submission of a dissertation for the M.Phil. degree. Students who do not reach that standard, but who nonetheless are judged by the Court of Examiners to have reached a satisfactory level of performance, may be recommended for the award of a Postgraduate Diploma, without further assessment.

Applicants should normally have an honors degree at second-class level or above. Students not meeting these criteria may exceptionally be considered at the discretion of the Dean of Graduate Studies.

## 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 listed 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.

### CONFLICT AND DISPUTE RESOLUTION STUDIES (P.Grad.Dip.)

#### COURSE CODE 673

*Course Co-ordinator:* Ms Paulyne Marrinan Quinn

*Duration:* Taught Evening Diploma – one year, part-time.

*Teaching period runs from October to May with two evening sessions (6 hours per week) over 24 teaching weeks. There are also two Saturday workshops. Evening courses take place at the ISE Dublin campus in Milltown Park. Parking is available.*

*Closing Date:* 30 July 2008. Applications will be considered after that date only if places remain available. Applications are reviewed on an ongoing basis from 1st January in the year of admission and should be addressed to Conflict and Dispute Resolution Studies Programme, Irish School of Ecumenics, Bea House, Milltown, Dublin 6.

*Telephone:* +353-1-260 1144 (Ext. 111)

*Direct Telephone:* +353-1-206 0353

*Fax:* +353-1-260 1158

*Email:* [cdrssec@tcd.ie](mailto:cdrssec@tcd.ie)

*Internet:* [www.tcd.ie/ise/postgraduate/conflict.php](http://www.tcd.ie/ise/postgraduate/conflict.php)

The Conflict & Dispute Resolution Studies programme is designed to encourage an understanding of the nature and causes of conflict in political, ethnic, community, civil and related environments, and provides an overview of prevailing systems of remedy and redress and dispute

resolution including ADR processes such as conciliation, facilitation, ombudsmanship and mediation with reference to the development of such concepts at home and in other jurisdictions, whether statutory or adopted on a voluntary basis.

This programme is of value to those who wish to study non-adversarial dispute resolution processes. This Postgraduate Diploma is of particular interest to those, in both the public and private sectors, who wish to study civil mediation and other non-adversarial dispute and conflict resolution processes which are increasingly a part of legislative and management structures in the EU and internationally. 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.

Assessment is based on two essays, approximately 6,000-8,000 words each, and on a practical skills-based assessment to be completed by 1st August. One essay focuses on underlying theory and principles, and the other essay focuses on an area of special interest in Unit 3 (which may be related to a particular work context). To complete the Diploma satisfactorily a pass mark of 40% must be achieved in each of the three elements of the assessment.

Applicants should normally have an honors degree and three years relevant experience, or another third level qualification and five years relevant experience. Students not meeting these criteria may exceptionally be considered at the discretion of the Dean of Graduate Studies.

# arts, humanities and social sciences

## School of Social Sciences and Philosophy

*Head of School:* Professor Michael Marsh

*Director of Teaching and Learning (Postgraduate):*  
Dr Gail McElroy

*Telephone:* +353-1-896 2499

*Fax:* +353-1-677 0546

*Internet:* [www.social-phil.tcd.ie/postgraduate.php](http://www.social-phil.tcd.ie/postgraduate.php)

The School of Social Sciences and Philosophy consists of the Departments of Economics, Political Science, Sociology and Philosophy. Its postgraduate programmes consist of a combination of taught masters degrees and M.Litt. - Ph.D. degrees. The departments of Economics, Political Science, and Sociology currently have Master - Ph.D. courses wherein students are admitted to a first year of studies on the M.Litt. register. Upon successful completion of the first year, these students may apply to transfer to the Ph.D. register, typically lasting three years and ending with the successful completion and defence of a thesis.

The School's postgraduate degrees also include several taught masters degrees. Economics offers the M.Sc. in Economics, a one year programme, as well as the M.Sc. in Economic Policy Studies a part-time degree to be earned over two years. Sociology offers the M.Phil. in Ethnic and Racial Studies. Finally, Philosophy offers a taught M.Phil. degree in Psychoanalytic Studies. The main emphasis for the school is upon supporting high-quality research Ph.D. students. Currently only Political Science requires students to complete courses as part of its Ph.D. programme. More information on the specific graduate programmes currently offered can be found on our website as listed above.



## NAMED DEGREE COURSES

### DOCTORATE IN POLITICAL SCIENCE

**COURSE CODE 751/239**

*Course Co-ordinator: Dr Robert Thompson*

*Closing Date: 1 April 2008*

*Telephone: +353-1-896 1651*

*Fax: +353-1-677 0546*

*Internet: [www.tcd.ie/Political\\_Science](http://www.tcd.ie/Political_Science)*

Political Science admits graduate students to its flagship doctoral programme. This is a creative variant of the traditional Ph.D. offered elsewhere in much of Europe and is designed to produce rigorously trained, widely-read and well-rounded political scientists, able to take their place in the forefront of the profession. The programme combines an intensive set of courses on the substance and methodology of research along with a traditional emphasis on conducting original research. Political Science has 8 full time academic staff and currently has 30 research postgraduate students.

In the first year students follow a number of courses in the qualitative and quantitative aspects of research, a course in political behaviour and comparative politics, which reflects the expertise and interests of most members of the department, and develops a research proposal for the final thesis. At the end of the first year, students with satisfactory progress of their coursework and who have successfully defended their draft thesis proposal, will be eligible to transfer to the register for the Ph.D. in Political Science. In the second year of the Ph.D. programme, there are further optional courses and students start work on their thesis.

Successful applicants will have a good honors degree in political science or a related discipline. Political Science seeks to recruit a varied mix of students from different disciplinary, cultural and educational backgrounds. Multiple awards are available each year for competitive candidates which cover fees and provide a stipend to meet living costs. In addition, our students have been very successful in attracting funding from the Irish Research Council for the Humanities and Social Sciences (IRCHSS) after their first year.

# arts, humanities and social sciences

## M.Sc. COURSES

### ECONOMIC POLICY STUDIES (M.Sc.)

#### COURSE CODE 645

Programme Co-ordinator: Dr Francis O'Toole

*Duration:* Two years, part-time

*Closing Date:* 30 June 2008 for entry in September 2008

(in-take every second year, subject to having a minimum of 15 opting to take the course). Applications should be addressed directly to Graduate Studies Office, Arts Building, Trinity College, Dublin 2. Note: Course to be confirmed Spring 2008.

*Telephone:* +353-1-896 1325

*Email:* [economics@tcd.ie](mailto:economics@tcd.ie)

*Internet:* [www.tcd.ie/Economics/postgraduate/msceconomicpolicy/index.php](http://www.tcd.ie/Economics/postgraduate/msceconomicpolicy/index.php)

This programme is designed to provide its graduates with the skills to apply economic perspectives, approaches and related skills to the study of policy in organisations. There is an in-take of new students every second year; accordingly the next student in-take will be for the academic year commencing in September 2008. Staff from Economics, Business Studies, Political Science and Statistics, together with some outside experts, lecture on the programme. The programme's aim is to provide participants with a greater understanding of the policy process. This programme is designed to develop skills in economic policy, also seeks to provide the students with additional skills from other disciplines that will allow them to become effective economic policy-makers.

During the two years, students will undertake a number of modules over three terms (from October of year one to December of year two) and spend the remainder of the second year working on their dissertations. In the second year, students must choose to continue their studies in one of two streams: competition and regulation, or policy analysis and evaluation.

### ECONOMICS (M.Sc.Econ/P.Grad.Dip.)

#### COURSE CODE 506/507

*Course Director:* Dr Carol Newman

*Duration:* One year, full-time

*Closing Date:* 30 April 2008. Late applications will be considered provided places are available. Applications should be addressed directly to the Economics Programme, Department of Economics, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1325

*Email:* [economics@tcd.ie](mailto:economics@tcd.ie)

*Internet:* [www.tcd.ie/Economics/postgraduate/msceconomics/index.php](http://www.tcd.ie/Economics/postgraduate/msceconomics/index.php)

The objective of this programme is to provide well qualified graduates with the training required to enter Ph.D. programmes in economics or to work as economists in government or private-sector organisations. The programme focuses on the technical skills needed to undertake economics research and emphasises active and problem-based learning to ensure mastery of the basic skills.



Candidates should normally hold at least a second-class honors, Grade 1 degree that has a significant economic theory and/or quantitative component. Applications are expected from candidates with single or joint honors Economics degrees, Business or BComm degrees with final-year Economics options, and Maths, Physics, Computer Science or Engineering graduates.

The programme is of ten months duration, on a full-time basis, with a month-long preliminary training in mathematics and statistics and nine months on the M.Sc. register. The preliminary course commences at the beginning of September and the M.Sc. concludes with the submission of a dissertation by the following June. Students must pass the preliminary course in order to be admitted to the M.Sc. programme proper.

The M.Sc. programme consists of four courses: Microeconomics, Macroeconomics, Econometrics and a Research Topics course in which individual members of staff discuss their particular research areas. The core courses are taught around weekly problem sheets followed by examinations, while the Research Topics course is examined on the basis of a number of seminar papers that should provide a critical analysis of the research areas surveyed. In addition, students are expected to complete a dissertation of 12,000 words. The ability to progress to the dissertation is dependant on achieving a satisfactory pass mark in the coursework components. Students who are unable to proceed to the dissertation or who fail to achieve a satisfactory mark for the dissertation element may be eligible for the award of a Postgraduate Diploma in Economics.

## M.PHIL. COURSES

### ETHNIC AND RACIAL STUDIES (M.Phil.)

#### COURSE CODE 262

*Course Co-ordinator:* Dr Andrew Finlay

*Duration:* One year, full-time

*Closing Date:* 30 April 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 2353

*Email:* [andrew.finlay@tcd.ie](mailto:andrew.finlay@tcd.ie)

*Internet:* [www.ethnicracialstudies.net](http://www.ethnicracialstudies.net)

This programme provides specialist training in the field of Ethnic and Racial Studies. Candidates should have a good first degree (preferably upper second-class) in one of the social sciences or a degree that has included social science as a component. The following criteria will also be taken into account:

The quality of the academic references, the statement of interest provided by each candidate and the relevant work experience may also be taken into account.

In exceptional cases, applicants without a first degree may be accepted directly into the programme if they can demonstrate that they possess the equivalent of a good first degree. The quality of the statement of interest provided by each candidate would be taken into account. Applicants seeking admission in this category will, where practicable, be called for interview.

In addition the following would typically be required:

- Successful recent academic study in a relevant area
- Publications that demonstrate research or analytical capacity
- Academic references

# arts, humanities and social sciences

- Work experience relevant to cross-cultural, ethnic and racial issues and human service delivery.

The programme has four components:

- i Core courses: 'race' and ethnicity, theoretical concepts; researching 'race' and ethnicity.
- ii Seven one-term courses: migration and population movement; ethnicity and social policy; language, ethnicity and expressive culture; culture, colonialism and Irishness; human rights and international issues; gender and ethnicity; intercultural communication (topics can vary from year to year).
- iii A 20,000 word dissertation on any approved topic relating to ethnic and racial issues.
- iv Seminars, lectures and occasional workshops are also offered during the academic year.

The programme is ideally suited to public and voluntary sector employees and has attracted a diverse international student body.

## PSYCHOANALYTIC STUDIES (M.Phil./P.Grad.Dip.)

### COURSE CODE 214

*Course Co-ordinator:* Dr Ross Skelton

*Duration:* One year, full-time

*Closing Date:* 31 May 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1528

*Email:* [rskelton@tcd.ie](mailto:rskelton@tcd.ie)

*Internet:* [www.tcd.ie/Philosophy/teaching/mhilpsych.htm](http://www.tcd.ie/Philosophy/teaching/mhilpsych.htm)

The course is intended as an introduction for well-qualified graduates to the history and theory of psychoanalysis. The foundation of the course is the two main readings of the Freudian text and the subsequent development of Freud's ideas in two main directions. First, the 'object relations' theory of Melanie Klein and Wilfred Bion and second, the 'return to Freud' project of Jacques Lacan which is given substantial coverage. There is also an introduction to the thought of Carl Jung. A comparative approach to different thinkers is taken using discussion groups.

Candidates are assessed by a combination of course papers and a short dissertation. Students are required to attend the weekly seminars and lectures and to write satisfactory seminar essays, which are assessed by the internal examiners. For the candidate to proceed to the dissertation this assessment must be positive. In cases where course work is satisfactory but the dissertation is either not presented or is not of M.Phil. standard, a Postgraduate Diploma may be awarded. The M.Phil. degree can only be awarded on the basis of the dissertation.



## School of Social Work and Social Policy

*Head of School:* Professor Robbie Gilligan

*Director of Teaching and Learning (Postgraduate):*  
Dr Eoin O'Sullivan

*Telephone:* +353-1-896 1331

*Fax:* +353-1-671 2262

*Email:* social.studies@tcd.ie

*Internet:* www.socialwork-socialpolicy.tcd.ie

The School offers professional education and training in social work, multidisciplinary courses in the broad social welfare area, courses at undergraduate and postgraduate level in general and specialist aspects of social policy, and postgraduate training in applied social research, as well a range of opportunities for postgraduate research students. The School is pleased to acknowledge the special public sector, corporate and philanthropic support it attracts for some of its teaching and research activities.

Through high quality scholarship, the School seeks to identify, explore and impact on key social issues.

The School offers four postgraduate taught programmes, provides many opportunities for supervision and support of postgraduate research students and hosts three research centres/programmes.

An important priority for the school is serving the life long learning needs of personnel in the public and non-governmental sectors in what might broadly be termed the human services. Many of its taught programmes have a strong multidisciplinary in-take. The School offers two full time programmes. The one year M.Sc. in Applied Social Research includes a work placement in a research setting and aims to provide a foundation for those seeking a career in research or work opportunities with a strong research dimension. The two year Masters in Social Work offers professional education and training in social work for graduates with a social science background and relevant experience. Two part-time programmes have a multidisciplinary in-take for students with professional/work experience in the relevant areas: the postgraduate diploma (one year)/M.Sc. in Child Protection and Welfare (two years) and the M.Sc. in Drug and Alcohol Policy (two years).

### RESEARCH PROGRAMMES

The School has a lively community of postgraduate research students, whether studying independently or within research centres or programmes. Some are full time students; others combine their studies with their work.

The School has particular strengths and capacity in research supervision in the following areas:

Ageing and social policy; Drug and alcohol policy and services; Child protection and welfare; Crime, Domestic violence; Family and gender; History of social policy; Intellectual disability; Mental health; Social work; Sociology of reproduction.

# arts, humanities and social sciences

In addition to the research activities of individual academic staff, the research effort of the School is also focused through the following significant research ventures.

The Children's Research Centre conducts policy relevant research on children's lives and issues and is co-sponsored with the School of Psychology. With other TCD colleagues, Centre personnel will play a significant role in the major National Longitudinal Study on Children's Development, the contract for which was awarded to the Economic and Social Research Institute and Trinity College Dublin.

The School's new Social Policy and Ageing Research Programme is intended to make a major contribution to knowledge of the social and policy aspects of ageing in Ireland. It is being launched with significant support from Atlantic Philanthropies. This research programme is closely involved in the work of the Trinity College Consortium on Ageing.

The National Institute for Intellectual Disability (NIID) at Trinity College Dublin is part of the School. It is an inclusive Institute centering on research, policy and lifelong learning for individuals with intellectual disabilities.

94

The Policy Institute is a multi-disciplinary public policy research institute. Based in Trinity College, the Institute has close links with the School of Social Sciences and Philosophy, the School of Social Work and Social Policy, and the School of Business.

The School is also one of the three Schools in the University that founded the Trinity Immigration Initiative which brings together key strands of TCD's strategies in research, teaching and contribution to society, positioning the University to play an influential role in developing a more inclusive, multicultural society for Ireland's future.

## NAMED DEGREE COURSES

### MASTER IN SOCIAL WORK (M.S.W./P.Grad.Dip.)

#### COURSE CODE 669/668

*Course Director:* Ms Maeve Foreman

*Duration:* Two years, full-time

*Closing Date:* 8 February 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 3242

*Email:* [clarkef@tcd.ie](mailto:clarkef@tcd.ie)

*Internet:* [www.socialwork-socialpolicy.tcd.ie/courses/index.php](http://www.socialwork-socialpolicy.tcd.ie/courses/index.php)

The Master in Social Work course offers a route to a professional qualification in social work for applicants with a primary degree in the Social Sciences or equivalent. It combines an academic postgraduate award with the National Qualification in Social Work (NQSW). The professional qualification is awarded by the National Social Work Qualifications Board and the academic qualification is awarded by the University of Dublin.

Applicants should hold a primary social science degree (second-class honors or higher), or equivalent, and substantial relevant practice experience. The course includes two fieldwork placements, one of which may be located outside the Dublin region. There are 22 places on the course each year.

This is a two-year full-time, programme consisting of 14 weeks full-time academic attendance and 14 weeks full-time practice education attendance each year.

The programme is geared towards an international perspective and the student group can avail of placement opportunities in Canada, South Africa, the USA, England and in Ireland.

## M.Sc. COURSES

### APPLIED SOCIAL RESEARCH (M.Sc.)

#### COURSE CODE 252

*Course Director:* Dr Evelyn Mahon

*Duration:* One year, full-time

*Closing Date:* 31 March 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 2314

*Email:* emahon@tcd.ie

*Internet:* [www.tcd.ie/Social\\_Studies/courses/postgraduate/taught/mscasr.php](http://www.tcd.ie/Social_Studies/courses/postgraduate/taught/mscasr.php)

The M.Sc. in Applied Social Research is a one-year, full-time taught course. It is designed for graduates who wish to develop their research skills and gain employment in the rapidly expanding area of applied research. Using a combination of lectures, workshops and practical assignments, this M.Sc. programme will train graduates to do the following:

- Conduct primary research using surveys, interviews and content analysis
- Analyse the research data collected using a variety of computer programmes
- Write and present research reports

Initiated in 1997, the M.Sc. in Applied Social Research has established an excellent reputation in training students in applied research skills.

The M.Sc. programme consists of a number of integrated courses in research design and methods, which run for twenty weeks over Michaelmas and Hilary terms. Students then go on paid work placements in Trinity term for approximately 12 weeks. Over the months of July, August and September, students complete their dissertations, submitting them in September.

Applicants should normally have an upper second-class honors degree in one of the Social Sciences. Applications from graduates in other disciplines who have relevant experience will be considered.

### CHILD PROTECTION AND WELFARE (M.Sc./P.Grad.Dip.)

#### COURSE CODE 235

*Course Co-ordinator:* Prof. Robbie Gilligan

*Duration:* Two years, part-time

*Closing Date:* 31 July 2008. Applications should be addressed directly to the Child Protection and Welfare Programme, Social Studies, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1331

*Email:* [robbie.gilligan@tcd.ie](mailto:robbie.gilligan@tcd.ie)

*Internet:* [www.socialwork-socialpolicy.tcd.ie/courses/postgraduate/taught/index.php](http://www.socialwork-socialpolicy.tcd.ie/courses/postgraduate/taught/index.php)

There is a separate entry on admission to the P.Grad.Dip. in Child Protection and Welfare below.

Students interested in registering for the M.Sc. programme must initially register for the Postgraduate Diploma (see separate entry under Postgraduate Diplomas). Admission to the second year of this two-year part-time in-service M.Sc. programme is confined to candidates who achieve an upper second-class grade in the Postgraduate Diploma and whose research proposal for their M.Sc. dissertation is accepted. The second year 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.

# arts, humanities and social sciences

## DRUG AND ALCOHOL POLICY (M.Sc.)

### COURSE CODE 625

*Course Co-ordinator:* Dr Shane Butler

*Duration:* Two years, part-time

*Closing Date:* 30 April 2008

*Telephone:* +353-1-896 2009

*Email:* sbutler@tcd.ie

*Internet:* [www.socialwork-socialpolicy.tcd.ie/courses/postgraduate/taught/index.php](http://www.socialwork-socialpolicy.tcd.ie/courses/postgraduate/taught/index.php)

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.

The course 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.

96 Candidates must have current or recent experience of either direct service provision, administration or policymaking relevant to the addictions field.

## M.PHIL. COURSES

### SOCIAL WORK RESEARCH (M.Phil./P.Grad.Dip.)

#### COURSE CODE 615

*Acting Course Co-ordinator:* Prof. Robbie Gilligan

*Duration:* Two years, part-time

*Telephone:* +353-1-896 1331

*Email:* robbie.gilligan@tcd.ie

*Internet:* [www.socialwork-socialpolicy.tcd.ie/courses/index.php](http://www.socialwork-socialpolicy.tcd.ie/courses/index.php)

The M.Phil. in Social Work Research 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.

Candidates must have a good honors degree in the social sciences, a social work qualification – National Qualification in Social Work or equivalent, a minimum of one year's employment in a qualified social work post.

### 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 listed 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.



## CHILD PROTECTION AND WELFARE (P.Grad.Dip./M.Sc.)

### COURSE CODE 229

*Course Co-ordinator:* Dr Helen Buckley

*Duration:* One year, part-time

*Closing Date:* 30 April 2008. Applications should be addressed directly to the Child Protection and Welfare Programme, Department of Social Studies, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 2065

*Email:* [hbuckley@tcd.ie](mailto:hbuckley@tcd.ie)

*Internet:* [www.socialwork-socialpolicy.tcd.ie/courses/index.php](http://www.socialwork-socialpolicy.tcd.ie/courses/index.php)

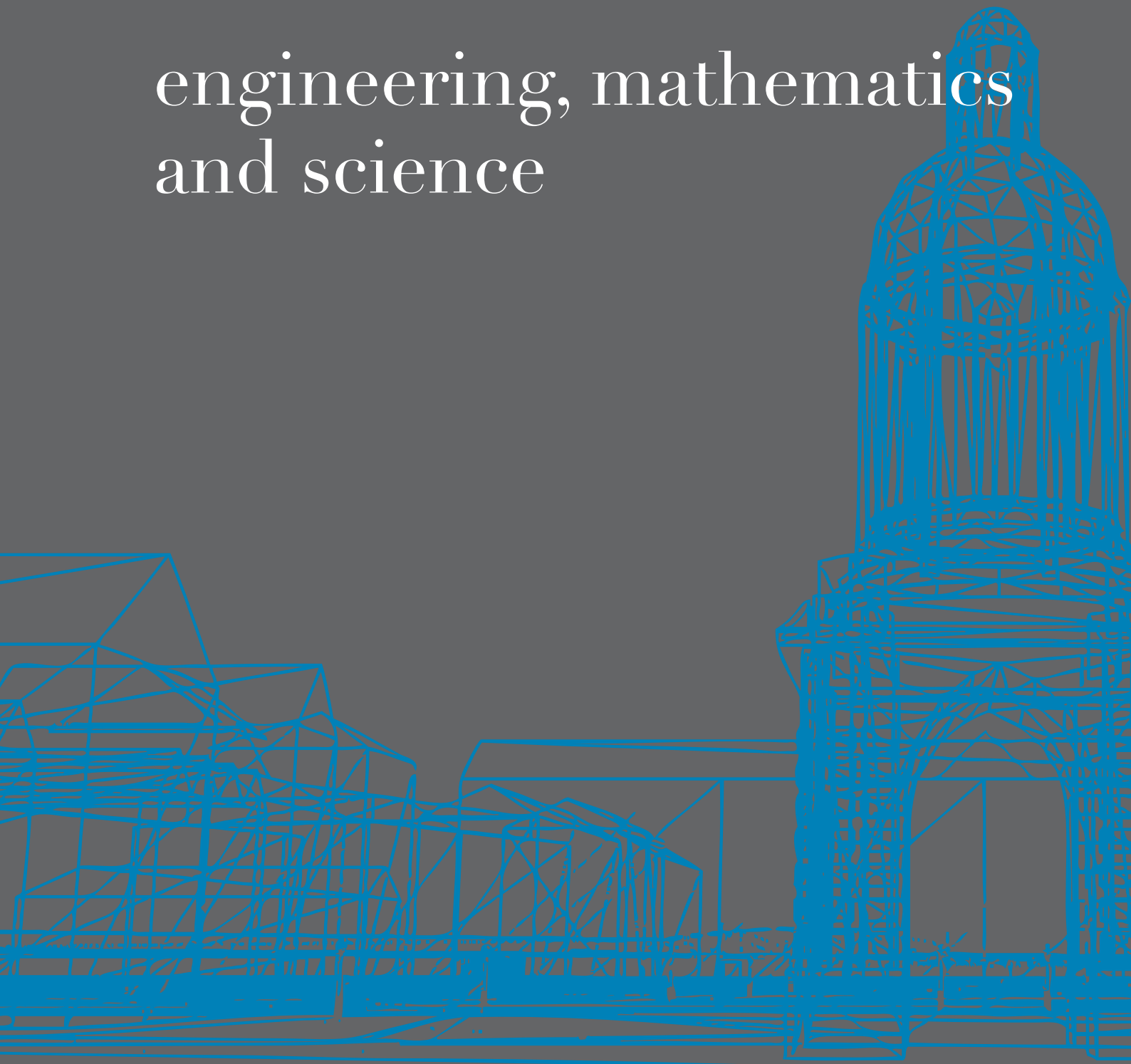
There is a separate entry on admission to the M.Sc. in Child Protection and Welfare above.

The programme is run on an in-service basis over one academic year, entailing attendance at an induction course and nine block weeks in Trinity College as well as the completion of course-related assignments in the workplace. The course is designed to strengthen the capacity of the health, social service, education and criminal justice systems to identify and respond to the needs of vulnerable and abused children and their families. It is organised in close collaboration with the Department of Health and Children and the Health Services Executive. Candidates who successfully complete the Diploma course and meet the eligibility criteria for the M.Sc. in Child Protection and Welfare (see earlier entry under Taught Masters Programmes) may proceed to a second year to complete the Masters course.





engineering, mathematics  
and science





# engineering, mathematics and science



**SCHOOL OF BIOCHEMISTRY  
AND IMMUNOLOGY**

**SCHOOL OF CHEMISTRY**

**SCHOOL OF COMPUTER  
SCIENCE AND STATISTICS**

**SCHOOL OF ENGINEERING**

**SCHOOL OF GENETICS  
AND MICROBIOLOGY**

**SCHOOL OF MATHEMATICS**

**SCHOOL OF NATURAL SCIENCES**

**SCHOOL OF PHYSICS**

# engineering, mathematics and science

## School of Biochemistry and Immunology

*Head of School:* Professor Luke O'Neill

*Director of Teaching and Learning (Postgraduate):*  
Dr Richard K. Porter

*Telephone:* +353-1-896 1608

*Fax:* +353-1-677 2400

*Email:* mpsullvn@tcd.ie

*Internet:* www.tcd.ie/Biochemistry

### RESEARCH PROGRAMMES

The School of Biochemistry and Immunology has as its focus research into several aspects of protein structure and function, effects of genetic polymorphism on metabolism, neurochemistry, bioenergetics, molecular enzymology, cell and molecular biology, cellular and molecular immunology, innate immunity and inflammation, immunomodulation and parasitology. The School currently holds over €30 million in research grants. In addition, the School is equipped to a very high standard. We have an in-house protein X-ray crystallography facility, FACScan, Taqman, confocal microscope, DNA sequencer, molecular graphics facility, cell-culture suites, computer rooms and MALDI ToF and Q-TRAP mass spectrometers. We are well equipped with sophisticated spectroscopy instruments including double beam and stopped-flow spectrophotometers, as well as stopped-flow fluorimetry and stopped-flow CD. In partnership with the School of Chemistry we operate a 600MHz nmr spectrometer with a cryoprobe attachment

to allow structural protein nmr studies. We have recently installed a new bio/chemical hazards' suite.

The School of Biochemistry and Immunology (SBI) is housed in two buildings, the Wellcome Trust building and the Biotechnology Institute linked by the Bailey bridge at the east end of College. The School collaborates internationally on a large scale and has links to the Irish and International Biotechnology and Pharmaceutical sectors. Information on specific research projects, studentships and current vacancies can be found on the School's website.

We encourage applications from suitably qualified graduates to join the School to study for a research degree. Students register initially for a M.Sc. and then may transfer (normally after 12 to 14 months) to the Ph.D. register subject to a satisfactory Transfer Report and research presentation. Postgraduate students will also be encouraged to give oral research presentations throughout the course of their studies, both within the School's Postgraduate Forum and at Scientific Meetings. It is expected that a graduate should gain their Ph.D. within 4 years.





## School of Chemistry

*Head of School:* Professor Graeme Watson

*Director of Teaching and Learning (Postgraduate):*  
Professor John Kelly

*Postgraduate Course Coordinator:* Dr Susan Quinn

*Telephone:* +353-1-896 1726

*Fax:* +353-1-671 2826

*Email:* chemdept@tcd.ie, pgchem@tcd.ie

*Internet:* www.tcd.ie/Chemistry

The School of Chemistry is a vibrant community of 20 academic staff members, 25 postdoctoral researchers and over 80 postgraduate research students that generates an annual research income in excess of €5 million. These funds are attracted by research across the School's three core disciplines; Inorganic and Synthetic Materials Chemistry, Organic, Medicinal and Biological Chemistry and Physical, Computational and Materials Chemistry.

Exciting research topics currently under investigation in the School are the synthesis and characterisation of novel inorganic materials including nanomaterials and supramolecular systems, drug design, development of new synthetic methods, biomimetic catalysis, photochemistry, photomedicine, electrochemistry, surface science and the development and application of predictive computational modelling. This diverse research is strengthened and supported by the School's strong links with a number of Institutes of excellence. These include, the Centre for Chemical Synthesis and Chemical Biology (CSCB), the Institute for Information Technology and Advanced Computation (IITAC), the Dublin Molecular Medicine

Centre (DMMC), and Centre for Research on Adaptive Nanostructures and Nanodevices (CRANN).

All of these activities are facilitated by excellent research equipment housed in the School, which include two CCD single crystal diffractometers, a circular dichroism spectrometer, a high-resolution electrospray mass spectrometer and four high-field NMR spectrometers (300, two 400 (one with multinuclear probe), and one 600 MHz) as well as specialised equipment for the study of photophysical, electrochemical and nanoscale systems. Computational capabilities include access to a 760 node cluster in the Trinity Centre for High performance Computing (TCHPC).

The School offers both Ph.D. and M.Sc. degrees by research. All research students initially register on the Masters programme with those wishing to pursue a Ph.D. transferring to the Ph.D. register within eighteen months. Typically, a M.Sc. takes between one and two years with a Ph.D. degree taking between three and four years to complete. In addition to conducting research, students attend a number of specialist courses, weekly research seminars and also participate in safety and other technical courses.

Research students obtain funding from a number of sources. These include national programmes (e.g. SFI and IRCSET), College scholarships and direct funding from individual supervisors. Up to date information is available on the School of Chemistry website.

In 2007 the School of Chemistry of Trinity College and the School of Chemistry and Chemical Biology of University College launched a joint programme of graduate lecture courses. This is one aspect of the close interaction of the two leading Irish Chemistry research schools within the Dublin Chemistry initiative. Students are expected to take three of these courses during their Ph.D. programme. More details can be found on the School website.

# engineering, mathematics and science

In a future of increasingly interdisciplinary research the School of Chemistry enjoys strong collaborations with colleagues in the physical, technological and biological sciences throughout the College, and at national and international levels. Through these initiatives the School of Chemistry continues to grow as a natural strategic centre and enables structure for projects at the interface between Chemistry and Life Sciences and Chemistry and the Materials/Nanosciences.

## M.Sc. COURSES

### CHEMICAL AND BIOLOGICAL TECHNIQUES (M.Sc./P.Grad.Dip.)

**COURSE CODE 753/754**

*Course Director:* Prof. Sylvia Draper

*Duration:* Two/three years, part-time

*Credit Value:* M.Sc.: 90 ECTS; P.Grad.Dip.: 60 ECTS

*Closing Date:* 31 July for October entry (late applications may be considered if places remain available after the closing date)

*Telephone:* +353-1-896 2026 / 7126

*Email:* [smdraper@tcd.ie](mailto:smdraper@tcd.ie) or [cabt@tcd.ie](mailto:cabt@tcd.ie)

*Internet:* [www.tcd.ie/Chemistry/teaching/cabsim](http://www.tcd.ie/Chemistry/teaching/cabsim)

This course is aimed at recent graduates interested in a career in industry or those already working in industry who wish to further their professional training. It is the first taught postgraduate degree to be offered by the School of Chemistry in Trinity and will be run in collaboration with the School of Chemistry and Chemical Biology at UCD.

The M.Sc. course has a flexible structure and can be completed over two or three years. There are two components, a taught element of eight course modules (four core modules and four optional modules) and a research project leading to a dissertation. There is also

the possibility for students to opt for a diploma course in Chemical and Biological Techniques, consisting of the taught modules only.

The course provides students with knowledge of techniques and methodologies routinely used to characterise chemical and biological systems. The course modules cover the following subject areas; (i) Spectroscopy, (ii) Separation Technology, (iii) NMR and Mass Spectrometry, (iv) Data Analysis and Presentation, (v) Chemical and Biological Assays, (vi) Microscopy, (vii) Modelling Biomolecules, (viii) Solid-State Analysis and (ix) Good Research Practices. There is a strong practical component to the course with an emphasis on experimental design and planning, data analysis and reporting. The taught modules will be delivered through a combination of lectures, intensive practical sessions, assignments and distance learning. Of the eight modules five will be carried out in TCD and the remaining three will be carried out in UCD.

Following successful completion of the taught components students will undertake a research project. This project will be based either at the student's place of employment addressing an issue relevant to the company, or on campus in either the School of Chemistry at TCD or the School of Chemistry and Chemical Biology at UCD.

In addition to participation by the two universities there will be significant contributions from industry and other agencies in the form of invited lectures and workshops.

Applicants will be required to hold at least an upper second-class honors degree in a science subject that included significant components of chemistry or biochemistry or a relevant life science. Candidates with relevant and significant experience in industrial based chemical and biological work may be accepted with lower qualifications.

## School of Computer Science and Statistics

*Head of School:* Dr David Abrahamson

*Director of Teaching and Learning (Postgraduate):*  
Mr Brendan Tangney

*Telephone:* +353-1-896 1765

*Fax:* +353-1-677 2204

*Email:* [postgraduatestudies@scss.tcd.ie](mailto:postgraduatestudies@scss.tcd.ie)

*Internet:* [gradschool.cs.tcd.ie](http://gradschool.cs.tcd.ie)

### RESEARCH PROGRAMMES

The School of Computer Science and Statistics comprises two academic departments, Computer Science and Statistics, both of which have substantial research programs.

The objective of the Department of Computer Science is to undertake world-class research in the field of Computer Science. The research program within Computer Science is one of the focal points for research in the College and ranges from the theoretical to the applied. Much of this research is funded by the EU, national funding agencies such as Science Foundation Ireland and the Higher Education Authority as well as both indigenous and multinational companies.

The Department offers a variety of graduate courses, both full-time and part-time, that are oriented towards different fields such as, information systems, ubiquitous computing, networks and distributed systems, multimedia systems, health informatics and technology & learning. Postgraduate

students can currently choose between seven taught M.Sc. courses as well as the opportunity to undertake research degrees at both M.Sc. and Ph.D. level.

Staff research interests include distributed systems including middleware and ubiquitous computing; artificial intelligence, especially logic programming, neural networks and case-based reasoning; cognitive science; computational linguistics; natural language processing; computer vision and robotics; image processing; networks and telecommunications including network management, security, electronic commerce and mobile communications; computer architecture; grid computing; formal methods; multimedia servers; computer graphics; image synthesis and animation; virtual reality; gaming; multimedia systems, information systems and management; management of ICT; health informatics and technology & learning.

The Department of Statistics was founded in 1966 and contains the largest research group in this field in Ireland. The research interests of its staff and graduate students extend well beyond the traditional boundaries of the discipline of Statistics and now encompass research in Information Systems, including their impact on management, government and society.

Within Statistics as traditionally defined, methodological interests include: modern computationally intensive tools in both Bayesian and classical statistics (techniques which are driven by new applications in science and engineering); theoretical work on modern regression methods; specialist applications of statistics in business, industry and society and on methods for teaching Statistics. Research in Information Systems includes quantitative methods in database analysis and qualitative work on evaluation.

# engineering, mathematics and science

The research interests of staff in the Department of Statistics include quality control and process improvement initiatives particularly in analytical chemistry; data mining including record retrieval from multimedia databases; determination of food authenticity; reconstruction of past climates; material fatigue in artificial joints; image and signal processing; software reliability; finance; sports; ageing; gender studies; yield management in tourism; government and e-democracy and the use of information systems in management.

Research is also undertaken into computationally intensive methods including Markov chains Monte Carlo, Bayesian learning and data mining, applications of the EM algorithm and adaptive regression splines.

Projects currently supporting research students under funding from national and international agencies include: database projects MOUMIR and MUSCLE, funded by the EU under the 'Excellence of Networks' and 'Training and Mobility' schemes, projects on new statistical methods for the reconstruction of the European climate since the last Ice Age and methodological work in mixtures and classification, both funded by Science Foundation Ireland.

Other research areas include novel methods for the analysis of multi-spectral data in the assessment of meat, funded by Teagasc, new spatio-temporal models for crack growth in metals, funded by Enterprise Ireland, and projects involving the statistical analysis of social data, with a particular emphasis on gender, funded by Wicklow Chamber of Commerce and the Department of Education and Science.

## M.Sc. COURSES

### COMPUTER SCIENCE (INTERACTIVE ENTERTAINMENT TECHNOLOGY) (M.Sc./P.Grad.Dip.)

#### COURSE CODE 769

*Course Director:* Dr Steven Collins

*Duration:* One year, full-time

*Credit Value:* M.Sc.: 90 ECTS; P.Grad.Dip.: 60 ECTS

*Closing Date:* 31 July 2008

*Telephone:* +353-1-896 1765

*Email:* [mscient-info@cs.tcd.ie](mailto:mscient-info@cs.tcd.ie)

*Internet:* [isg.cs.tcd.ie/IET/](http://isg.cs.tcd.ie/IET/)

Application information can be found on the course website listed above.

The MSc programme in Computer Science (Interactive Entertainment Technology) equips students with the theoretical and practical knowledge to enable them to participate in the design and development of the technology that underpins the fast moving video game market as well as providing transferable skills relevant for careers in the wider industries of interactive entertainment, communication and simulation. The programme which has been developed in co-operation with leading indigenous and international game industry companies immerses students in a state of the art learning environment using the very latest tools and technologies, as used by professional game development companies.



The programme is assessed based on a combination of assigned coursework, written examination, a group project and a research dissertation. The course will be composed of five compulsory modules (including group project, dissertation and a seminar series) and three elective modules selected from a pool of five available. The compulsory components of the course are:

- Numerical Methods and Advanced Mathematical Modelling
- Software Engineering for Concurrent and Distributed Systems
- Seminar Series
- Group Project
- Individual Research Dissertation

All students will select an additional three modules from the following pool:

- Data Communications and Networks
- Graphics and Console Hardware and Real-time Rendering
- Artificial Intelligence and Autonomous Agents
- Real-time Animation and Physics
- Vision Systems and Augmented Reality

This course is open to graduates who have achieved the equivalent of at least an upper second-class honors degree, or better, in computing, information technology. Candidates with an upper second-class honors degree in disciplines such as engineering, mathematics, statistics, or physics are also encouraged to apply. Candidates will be required to provide evidence of their computing skills and experience.

This course is co-funded under the National Development Plan 2008 (Graduate Skills Conversion Programme) for EU fee paying students. In 2007/08 the fee for EU fee paying students was €1,600.

### COMPUTER SCIENCE (MOBILE AND UBIQUITOUS COMPUTING) (M.Sc./P.Grad.Dip.)

#### COURSE CODE 702/703

Entry via Diploma. For full details see the P.Grad.Dip section below.

### COMPUTER SCIENCE (NETWORKS AND DISTRIBUTED SYSTEMS) (M.Sc./P.Grad.Dip.)

#### COURSE CODE 619

*Course Director:* Dr Siobhán Clarke

*Duration:* One year, full-time

*Closing Date:* 30 April 2008

*Telephone:* +353-1-896 3094

*Email:* [mscnds-info@cs.tcd.ie](mailto:mscnds-info@cs.tcd.ie)

*Internet:* [gradschool.cs.tcd.ie/mscnds/](http://gradschool.cs.tcd.ie/mscnds/)

Application information can be found on the course website listed above.

The M.Sc. programme in Computer Science equips students with the theoretical and practical background necessary to enable them to participate in the design of complex networked and distributed computing systems, as well as to undertake research in this area. The programme is assessed based on a combination of assigned coursework, written examination, and a dissertation.

The programme is composed of a number of modules that are taken by all students.

# engineering, mathematics and science

These modules include:

- Networked applications
- Data communications and networks
- Distributed systems
- Software engineering for concurrent and distributed systems
- Security and management of networks and distributed systems

This course is open to graduates who have achieved the equivalent of at least an upper second-class honors degree, or better, 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.

It is expected that this course would be co-funded under the National Development Plan 2008 (Graduate Skills Conversion Programme) for EU fee paying students. In 2007/2008 the fee for EU fee paying students was €1,600.

## 108 HEALTH INFORMATICS (M.Sc./P.Grad.Dip.)

**COURSE CODES 617/616**

*(Run jointly with the School of Medicine)*

Entry via the Diploma. For full details see the P.Grad.Dip. section below.

## MANAGEMENT OF INFORMATION SYSTEMS (M.Sc./P.Grad.Dip.)

**COURSE CODES 700/701**

*Course Co-ordinator: Dr James Anthony Redmond*

*Duration: Two years, part-time*

*Closing Date: 31 July 2008*

*Telephone: +353-1-896 2418*

*Email: [mscmis-info@cs.tcd.ie](mailto:mscmis-info@cs.tcd.ie)*

*Internet: [gradschool.cs.tcd.ie/mscmis/](http://gradschool.cs.tcd.ie/mscmis/)*

Application information can be found on the course website listed above.

This course aims to provide students with the knowledge and skills to undertake senior professional managerial roles within the Information Technology (IT) sector. It brings together the latest research coupled with the best internationally accepted management practice and relates these to the needs of today's organisation.

The course consists of a taught component and a substantial research project resulting in a dissertation of approximately 20,000 words. The taught component covers the following areas: strategic systems planning for information systems; social impact of information systems; managing the IT supplier environment; managing the IT customer environment, innovation and entrepreneurship in IS/IT and research methods.

Applicants for this course must normally hold a good honors degree (at least upper second-class level) in computer science, information systems, information technology, business and information technology, computer engineering or a cognate discipline. Relevant professional experience is also desirable. Applicants meeting the necessary requirements may be interviewed.



**MULTIMEDIA SYSTEMS (M.Sc.)****COURSE CODE 263**

*Course Director:* Prof. Marie Redmond

*Duration:* One year, full-time

*Closing Date:* 31 May 2008

*Telephone:* +353-1-896 2418

*Email:* [mscmultimedia@cs.tcd.ie](mailto:mscmultimedia@cs.tcd.ie)

*Internet:* [gradschool.cs.tcd.ie/mscmm/](http://gradschool.cs.tcd.ie/mscmm/)

Application information can be found on the course website listed above.

This M.Sc. course provides a foundation in the technologies and media relevant to the digital media sector. The course runs full-time over a twelve-month period. Formal teaching is divided into two twelve-week semesters. Between ten and twelve lecture courses are delivered each semester.

Each student selects and commences a research project, which must be submitted in the form of a dissertation of 12,000 words by the end of March. Students will also complete a final project, which can be a collaborative development with a number of students from the class and these projects are included in a public exhibition in late September. There is significant emphasis on theory rather than on media or software applications. A special laboratory is provided for the class where students can become familiar with software applications.

The courses offered include: Introduction to Programming; XML/HTML; Audio Technologies; Sensors; Interactive Authoring; Graphic Design; Image Processing; Cultural and Critical Studies; Research Methodologies; Client/Server Technologies and Networking; Interactive Narrative; Mobile Computing; Game Development and Production; Legal Issues in Digital Publishing.

This course is especially suited to graduates with a primary degree in either Humanities or in Computer Science as both disciplines are important to the digital media sector. Applications will be accepted from good honors graduates in any discipline or from mature students with relevant industry experience.

It is expected that this course would be co-funded under the National Development Plan 2008 (Graduate Skills Conversion Programme) for EU fee paying students. In 2007/2008 the fee for EU fee paying students was €1,600.

**TECHNOLOGY AND LEARNING (M.Sc./P.Grad.Dip.)****COURSE CODE 750/911**

*(Run jointly with the School of Education)*

*Course Director:* Ms Ann Fitzgibbon

*Duration:* Two years, part-time

*Closing Date:* 31 May 2008. Late applications may be considered if places remain available after the closing date.

*Telephone:* +353-1-896 2418

*Email:* [msctl-info@cs.tcd.ie](mailto:msctl-info@cs.tcd.ie)

*Internet:* [gradschool.cs.tcd.ie/mscitedu](http://gradschool.cs.tcd.ie/mscitedu)

Application information can be found on the course website listed above.

The course aims to meet the needs of 21st century learners, teachers, instructors and researchers in the context of the emerging Knowledge Society, by providing its students with the opportunity to participate in a research led Masters programme exploring the integration of learning and technology. The focus for the students is on technology mediated transformative learning experiences. The course addresses areas such as creativity, critical reflection, collaboration and meta-cognition through the active design, construction, use and evaluation of a range of learning technologies. Course learning activities and

# engineering, mathematics and science

themes are research led and are closely aligned with the ongoing research activities of the Centre for Research in IT in Education ([www.cs.tcd.ie/crite](http://www.cs.tcd.ie/crite)).

On the educational side, graduates of the course gain a deep understanding of the theories of learning that are relevant to the use of ICT and will have a realistic view of the real enhancements to learning that ICT can facilitate. On the technical side, graduates of the course gain a good knowledge of the principles of web design, multimedia authoring, digital video and computer operation. Although aspects of computer programming are by necessity touched upon it is not an aim of the degree to produce people who can program. In the second year of the course students carry out a substantial piece of research which typically involves the design, implementation and evaluation of a learning experience in which ICT plays a key role.

Applicants should have achieved an upper second-class honors degree (or better) in a primary degree. Equivalent qualifications or experience are taken into account. Preference will be given to applicants who have at least three years in teaching, training or instructional technology development. 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.

The course is run on a part-time basis. In the first year there are formal classes on Friday afternoons and Saturday mornings. The second year is devoted to the completion of a research dissertation.

It is expected that this course would be co-funded under the National Development Plan 2008 (Graduate Skills Conversion Programme) for EU fee paying students. In 2007/2008 the fee for EU fee paying students was €1,600.

## 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 listed 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. Some diploma courses may not be offered if, for example, the number of applicants is insufficient or adequate resources are not available.

## COMPUTER SCIENCE (MOBILE AND UBIQUITOUS COMPUTING) (M.Sc./P.Grad.Dip.)

### COURSE CODE 739

*Course Director:* Dr Mads Haahr

*Duration:* One year, full time

*Closing Date:* 30 April 2008

*Telephone:* +353-1-896 3094

*Email:* [msscubicom-info@cs.tcd.ie](mailto:msscubicom-info@cs.tcd.ie)

*Internet:* [gradschool.cs.tcd.ie/msscubicom/](http://gradschool.cs.tcd.ie/msscubicom/)

Application information can be found on the course website listed above.

Mobile and ubiquitous computing technologies allow interconnected computers to be embedded unobtrusively in everyday appliances and environments and to co-operate to provide information and services on behalf of their human users. This emerging field is likely to drive the deployment of the next generation of Information Technology and has been an active research area at Trinity College Dublin in recent years. The Mobile and Ubiquitous Computing programme provides a comprehensive grounding in advanced distributed systems engineering together with an in-depth understanding of the technologies and development strategies used in building mobile and ubiquitous computing systems. Specific topics

to be covered usually include: Data communications and wireless networking technologies; Middleware; Software engineering and applications development; Real-time and embedded systems; Sensors and vision; Context awareness and machine learning; Information architecture; Product and environmental design; Image processing and synthesis

Direct admission to the M.Sc. programme is normally restricted to graduates who have achieved an upper second-class honors 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. Admission to the P.Grad.Dip. programme is open to well-qualified candidates from any discipline. Candidates from creative backgrounds such as fine art, design, architecture, or film studies are particularly encouraged to apply and no background in computing is necessary. Students who achieve the specified standard in the P.Grad.Dip. assessment will have the option of proceeding to the M.Sc. programme without receiving a diploma. Consideration will also be given to mature students with relevant industrial experience.



## HEALTH INFORMATICS (P.Grad.Dip./M.Sc.)

**COURSE CODES 617/616**

*(Run jointly with the School of Medicine)*

*Course Co-ordinator: Dr Lucy Hederman*

*Duration: P.Grad.Dip.: one year, part-time; M.Sc.: one additional year*

*Closing Date: 30 June 2008*

*Email: [lucy.hederman@cs.tcd.ie](mailto:lucy.hederman@cs.tcd.ie)*

*Internet: [www.cs.tcd.ie/courses/mschi](http://www.cs.tcd.ie/courses/mschi)*

Health Sciences and Engineering and Systems Sciences offer a joint programme in Health Informatics. 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.

The main aim of the programme is to give students 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.

The Postgraduate Diploma will be run over one academic year (October – June) on a part-time basis, on Friday afternoons and Saturday mornings to facilitate those in full-time employment. The M.Sc. extends for one further year.

The Diploma incorporates both taught and practical components with a strong emphasis on practical team based continuous assessment. M.Sc. students receive instruction in research methodology and undertake an independent research project.

# engineering, mathematics and science

Students take a total of six modules covering the following topics: introduction to health informatics; introduction to computing (for those from a health science background); introduction to health sciences (for those from a computing background); health information systems; telemedicine; knowledge-based and decision support systems; medical imaging; multimedia systems; statistics.

Not all modules will be offered each year; insofar as it is feasible, the range available will be adapted each year to suit the interests and skills of the particular cohort of students.

Applications may be accepted from those who hold a good honors degree in a professional health sciences or computer engineering discipline, or hold an equivalent qualification with relevant professional experience, or hold other appropriate qualifications with at least three years relevant professional experience, or otherwise satisfy the course admission committee. Applicants meeting these requirements will be interviewed.

It is expected that this course would be co-funded under the National Development Plan 2008 (Graduate Skills Conversion Programme) for EU fee paying students. In 2007/2008 the fee for EU fee paying students was €1,600.

## **SPECIALISED TECHNOLOGY (P.Grad.Dip.)**

From time to time as opportunity arises, specialised courses in specific technological subjects will be made available. In certain instances such courses may lead to the award of a Postgraduate Diploma to participants who hold an engineering degree or equivalent qualifications.

## **STATISTICS (P.Grad.Dip.)**

### **COURSE CODE 129**

*Course Co-ordinator:* Mr Eamonn Mullins

*Duration:* One/two years, part-time

*Closing Date:* 31 July 2008\*. Applications must be addressed to Diploma in Statistics, Department of Statistics, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1767

*Email:* [Diploma.Stats@tcd.ie](mailto:Diploma.Stats@tcd.ie)

*Internet:* [www.tcd.ie/Statistics/diploma/statintro.shtml](http://www.tcd.ie/Statistics/diploma/statintro.shtml)

This is a part-time modular course leading to the Postgraduate Diploma in Statistics. The course provides a broad introduction to the statistical ideas and methods relevant to data gathering and analysis in a wide variety of research areas as well as business and administration. The intention is to provide participants with a practical grasp of statistics based on a sound knowledge of the underlying ideas and concepts. Graduates of the course should be well placed to apply the ideas and methods to which they have been introduced in their own work. To this end, all the material is presented in the context of practical examples from a wide range of applications.

The course covers most of the usual topics included in any of the standard elementary texts. In dealing with these, however, more emphasis than is usual in such textbooks is placed on the idea of an underlying statistical model. It is hoped that this emphasis will develop insight into the essential unity of the methods and avoid the all-too-common impression of there being a cookbook full of different statistical recipes for every possible occasion.

\*The closing date is 31 July. However, as the course fills up quickly, it is advisable to apply early in the year. Applications may be made at any time throughout the year.

### CONTINUING EDUCATION PROGRAMME IN STATISTICS

The Department has established a Continuing Education Programme the purpose of which is to make available to graduates and others a range of courses oriented towards problem solving and decision making involving the methods of Statistics and Management Sciences. The Postgraduate Diploma in Statistics forms part of this programme. In addition, the department offers a range of short courses. Courses currently on offer include industrially oriented courses on Statistical Quality Control and Experimental Design, Modelling for Business Decisions and a range of courses on various aspects of Medical Statistics.

**NOTE** \*The closing date for applications for the courses in this section is 31 July of the proposed year of entry. In most cases applications are considered as they are received, therefore early application is recommended. Late applications may be considered if places remain available after the closing date.



# engineering, mathematics and science

## School of Engineering

*Head of School:* Professor John Fitzpatrick

*Director of Teaching and Learning (Postgraduate):*  
Professor Biswajit Basu

*Telephone:* +353-1-896 1796

*Email:* [engineering@tcd.ie](mailto:engineering@tcd.ie)

*Internet:* [www.engineering.tcd.ie](http://www.engineering.tcd.ie)

The School of Engineering is comprised of the Departments of Civil, Structural and Environmental Engineering, Electronic and Electrical Engineering, and Mechanical Engineering and Manufacturing. Postgraduate activities within the School range from part and full time Masters and Diploma courses to advanced research projects usually leading to the award of Doctor in Philosophy (Ph.D.). Part-time postgraduate study can also lead to the award of M.A.I. for recurrent education. The School is committed to the furtherance of excellence in research and houses two significant Research Centres, one in Bioengineering and the other in Transport Technology.

### RESEARCH PROGRAMMES

The Engineering School has an international reputation for its research activities and currently has an annual research income in excess of €3 million. This serves to support both graduate students and postdoctoral fellows who work in a stimulating environment with modern facilities and equipment. Suitably qualified candidates can apply for registration as graduate students working in the research areas outlined below and research funding often provides scholarships for Masters and Doctoral students, to cover

the registration, course fees and living costs of research students. Currently, there are over 300 postgraduate students and a significant number of postdoctoral fellows and research associates many of whom are from other European and non-European countries. Interested candidates are advised to make direct contact with the relevant academic staff member in the first instance. Information on the research activities of the staff can be obtained from our website [www.engineering.tcd.ie](http://www.engineering.tcd.ie).

The principal interests in Civil, Structural and Environmental Engineering are Environmental Engineering, Geotechnics and Highways, and Transportation and Structures. The courses offered include postgraduate courses leading to a Masters degree and eight different Diplomas. There are also many opportunities for research in different areas of civil engineering.

The M.Sc. taught course may be taken on a full-time basis over one year, or part-time over two years. It allows students to gain specialist knowledge in the areas of environmental and transportation engineering. The Department has an international research reputation in the Environmental, Geotechnical, Structural, Transportation and Materials Engineering. The research-led department includes internationally renowned experts in their fields. The state-of-the-art laboratories, field units and the wide ranging expertise of both the academic and the technical staff combine to make the area one of the most rapidly developing centres of civil engineering research in Ireland.

In Electronic and Electrical Engineering there are three main research areas that lie within the broad engineering discipline of Information and Communications Technology, or ICT. A M.Phil. course in Music and Media technologies is run jointly with the Department of Music.



Electronic Engineering Materials and Microelectronic Technology is a well-established research area that includes the design and development of measurement techniques suitable for the measurement of the electrical properties of ferroelectric liquid crystals, glass-forming liquids and polymers and the magnetic and dielectric properties of nano-materials, in particular magnetic fluids. In the microelectronics fabrication and test area, research interest includes the preparation and characterisation of different structures formed on silicon.

For Electronic Circuit Design, activities extend from mapping DSP algorithms onto architectures and subsequently onto libraries of standard cells, through to full-custom circuit design in CMOS and BiCMOS technologies with an emphasis on low-power dissipation. Specific work includes adaptive signal processing ASICs, power-speed figure of merit studies and the implementation of medical instrumentation applications in discrete and integrated form.

In Communications Engineering and Signal Processing, the work is broadly directed towards land mobile radio communication and propagation, and includes computational electromagnetics, wave scattering, channel identification and modelling, modulation, and digital receiver architectures. Application work focuses on propagation planning and analysis for mobile radio, wireless LANs. Work in signal processing lies broadly in the areas of image/video processing, audio and acoustic analysis and biomedical, adaptive and Bayesian signal processing.

Mechanical Engineering is located within the Parsons Building at the East end of the College and houses excellent research and laboratory facilities. Most of its research is funded through collaborative projects involving industry, the EU and national government programmes.



The main research activities are conducted within the following research groups: Fluids Acoustics and Vibration, Heat Transfer and Thermodynamics, Trinity Centre for Bioengineering ([www.tcd.ie/bioengineering](http://www.tcd.ie/bioengineering)), and Manufacturing and Materials Engineering.

The research activities of these groups involve significant work on the application of advanced computer based numerical modelling and simulation for the solution of engineering problems so that there is a common theme of computer based analysis, modelling and experimental validation in each of these areas.

Also on offer is a taught M.Sc. course in Bioengineering, run jointly with the University of Limerick and University College Dublin. This course can be covered in one year full-time or over two years part-time. The course aims to equip engineering graduates with the necessary knowledge and skills to work in the medical device industry or as clinical engineers.

In addition, an Erasmus Mundus M.Sc. in Mechanical Engineering is run over two years with INSA de Lyon and UPC Barcelona. There is Erasmus Mundus funding available for non-EU students. This degree course is not available to graduates of Trinity College.

# engineering, mathematics and science

## NAMED DEGREE COURSES

### MASTER IN ENGINEERING (M.A.I.)

#### COURSE CODE 154

*Course Co-ordinator:* Dr Eric Farrell

*Closing Date:* 31 July 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1146

*Email:* [efarrell@tcd.ie](mailto:efarrell@tcd.ie)

*Internet:* [www.tcd.ie/Civil\\_engineering/postgraduate/mai/](http://www.tcd.ie/Civil_engineering/postgraduate/mai/)

There are two possible routes for the Master in Engineering M.A.I. degree.

By the first route, for the 'ordinary' M.A.I. degree, the candidate must already have taken the degree of B.A.I. of the University of Dublin and have practised for three years as an engineer. To qualify for the M.A.I. degree, the candidate must present a written thesis, 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 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, for the degree known as the M.A.I. (Recurrent Education) is outlined below.

### MASTER IN ENGINEERING (M.A.I.) RECURRENT EDUCATION

#### COURSE CODE 164

*Course Co-ordinator:* Dr Eric Farrell

*Closing Date:* 31 July 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1146

*Email:* [efarrell@tcd.ie](mailto:efarrell@tcd.ie)

*Internet:* [www.tcd.ie/Civil\\_engineering/postgraduate/mai/](http://www.tcd.ie/Civil_engineering/postgraduate/mai/)

The M.A.I. (Recurrent Education) is a Masters degree for engineering graduates. Students for this degree must complete a research project carried out in his/her professional environment or a detailed case history of a significant industrial project in design, development or production in an engineering field in which he/she has taken part.

Before registering for the M.A.I. (Recurrent Education) degree, students must have completed an approved combination of two of the following postgraduate diploma courses: P.Grad.Dip. in Applied Building Repair and Conservation; P.Grad.Dip. in Construction Law and Contract Administration; P.Grad.Dip. in Environmental Engineering; P.Grad.Dip. in Fire Safety Practice (Buildings and Other Structures); P.Grad.Dip. in Health and Safety in Construction; P.Grad.Dip. in Highway and Geotechnical Engineering; P.Grad.Dip. in Physical Planning; P.Grad. Dip. in Project Management; P.Grad.Dip. in Statistics. The successful completion of the former P.Grad.Dip. in Public Administration for Engineers (run by the Institute of Public Administration) will also be considered.



## M.Sc. COURSES

### BIOENGINEERING (M.Sc./P.Grad.Dip.)

#### COURSE CODES 542-543/932-933

*Course Director:* Dr Ciaran Simms

*Duration:* One year, full-time; two years, part-time

*Closing Date:* 31 July 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 3768

*Email:* csimms@tcd.ie

*Internet:* [www.tcd.ie/bioengineering/courses2.php](http://www.tcd.ie/bioengineering/courses2.php)

The primary aim of this course is to give engineers the knowledge to apply science and technology to the solution of healthcare problems, particularly through the design, development and manufacture of medical devices. Regulatory issues in medical device technology are also addressed.

The course is run on an all-Ireland basis, with centres in Trinity College Dublin, the University of Limerick, University College Dublin and an affiliation with the University of Ulster, Jordanstown. Students will be based in one centre, where they will carry out a research project. 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.

Students register on the Masters course in the first instance which consists of five modules together with an extended research project. The course modules cover the following subject areas: biomechanics and implant design, biomaterials, medical electronics, signal processing, cell and tissue engineering and rehabilitation engineering. Students who pass the taught components of the course but do not proceed to the research project may be considered for the award of a postgraduate diploma.

The entry requirement is a good honors degree or similar qualification in engineering or a cognate discipline.

It is expected that this course would be co-funded under the National Development Plan 2008 (Graduate Skills Conversion Programme) for EU fee paying students. In 2007/2008 the fee for EU fee paying students was €1,600.

### CIVIL ENGINEERING (M.Sc./P.Grad.Dip.)

#### COURSE CODE 524/525

*Course Director:* Dr Brendan O'Kelly

*Applicants' enquiries:* Mr Bruce Misstear (bmisstear@tcd.ie)

*Duration:* One year, full-time; two years, part-time

*Closing Date:* 31 July 2008. Late applications may be considered if places remain available after the closing date. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1047

*Email:* bokelly@tcd.ie

*Internet:* [www.tcd.ie/Civil\\_engineering/postgraduate/msc/](http://www.tcd.ie/Civil_engineering/postgraduate/msc/)

This course aims to provide graduates from Ireland and abroad with an advanced knowledge of various aspects of Civil Engineering. The course has a modular structure, which allows students to study subjects in Environmental Engineering and Highways and Transportation – or any combination of subjects within these disciplines. Students also take a compulsory module in Civil Engineering Management and Research Methods.

The M.Sc. course commences in early October and comprises two terms of lectures, with examinations, followed by a major dissertation. This course may either be taken full-time over one year or part-time over two years. The entry requirement is a good honors degree in Civil Engineering or a related discipline.

# engineering, mathematics and science

## **INTEGRATED SYSTEMS DESIGN (M.Sc./P.Grad.Dip.)**

### **COURSE CODE 657**

*Course Co-ordinator:* Dr Anil Kokaram

*Duration:* Two years, part-time

*Closing Date:* To be confirmed - for details please contact the course co-ordinator directly

*Telephone:* +353-1-896 2508

*Email:* nmoore@tcd.ie

*Internet:* [www.mee.tcd.ie/~isd](http://www.mee.tcd.ie/~isd)

This course is targeted at employees of I.T. companies principally involved with systems design at the chip and general-purpose hardware and software level. The main aim of the course is to educate students in the foundations that drive the development of tools and solutions for the future of integrated systems design. Furthermore, it develops the knowledge and understanding needed to approach the design of modern integrated systems. The goal is to produce engineers who can see the broader picture of the system purpose and deploy algorithmic developments at the design level appropriate to the target system.

Course contact hours will occupy approximately one day in each of 30 weeks in the academic calendar (beginning during October), split into three sets of 10 week terms.

There are three subject areas in the first year: digital communications; digital signal and image processing; integrated circuit design. All subjects are compulsory. The second year consists of a taught portion and a substantial individual research project for which the student submits a dissertation (18,000-25,000 words) at the end of the year. The taught portion covers advanced topics in communications; digital video; integrated circuit design.

Applications will be considered from those who hold a good honors degree (at least upper second-class level) in a professional (computing/engineering) discipline, or hold an equivalent qualification with relevant professional experience.

Applicants meeting the necessary requirements may be interviewed. The course will only run provided there is a sufficient number of suitable applicants.

It is expected that this course would be co-funded under the National Development Plan 2008 (Graduate Skills Conversion Programme) for EU fee paying students. In 2007/2008 the fee for EU fee paying students was €1,600.

## **MECHANICAL ENGINEERING (M.Sc.)**

### **ERASMUS MUNDUS**

#### **COURSE CODES 733**

*Postgraduate Co-ordinator:* Prof. Henry Rice to whom all enquiries should be directed

*Duration:* Two years, full-time

*Credit Value:* 120 ECTS

*Telephone:* +353-1-896 1996

*Fax:* +353-1-679 5554

*Internet:* [www.mecheng.tcd.ie](http://www.mecheng.tcd.ie)

This course is sponsored by the Erasmus Mundus programme of the EU. The candidate must spend each year in a different institute and Trinity College Dublin, if chosen, must be attended in the first year (see [www.emme.com](http://www.emme.com)). All options are available. It is intended for holders of suitable Engineering or Scientific qualifications who wish to acquire Engineering degrees recognised in two member states of the European Union. It is tailored primarily for students from outside the EU, who may apply for scholarships to cover their fees and living expenses. Students from within the EU may also enrol, but are not eligible for scholarships. To comply with EU rules, students holding Irish third level qualifications should not enrol for the options described here, but for the options run entirely by the other partners.

The course is spread over two calendar years from the beginning of October, and requires full-time study. The first year is spent in Trinity College, and the second in one of the partner institutions: the INSA de Lyon and the Escola Tècnica Superior d'Enginyeria Industrial de Barcelona (E.T.S.E.I.B.). To qualify for the award of the degree, students must pass the appropriate course modules offered by the partner institutions. The language of instruction for these courses is the language of the country.

In Trinity College, in the first year, the following courses are taken by all students: Management for Engineers, Mechanics of Solids and Materials, Thermodynamics and Heat Transfer, Manufacturing Technology and Systems, Control, Vibration and Acoustics. Students then take one subject from the following three options: Fluid Mechanics, Biomechanics, Tribology. Students must also submit an original dissertation of around 30,000 words.

If applicants choose the E.T.S.E.I.B., they will take the following compulsory modules: Diseño de máquinas II, Tecnologías de fabricación II, Fabricación asistida por ordenador, Tecnología energética, Simulación de sistemas mecánicos I, Proyectos. Students will also take one further module from the following group of options: Fabricación flexible, Ensayo de máquinas, Ingeniería de producto y sistemas técnicos II.

If applicants choose the I.N.S.A., they will take the following compulsory modules: Heat Engines and Practical Works THERTP51; CAM and Practical Works PRODTP51; Advanced Automatic Control and Practical Works AUTOTP41; Project, Statistics, Discrete Events System and Practical Works AUTOTP41; Practical Works Vibrations of Continuous Structure; Industrial Acoustics; Finite Element Method; and Structural Analysis. Students will also take one further module from the following group of options: Noise of Mechanical Systems; Numerical Modelling of Mechanical Systems; and Automation Engineering.



Applications, including applications for scholarships, are made in the first instance to the co-ordinating partner by 28th February 2008:

INSA LYON, Direction de la Scolarité, 20 rue Albert Einstein, 69621 Villeurbanne Cedex (France).

Late applications for places (but not scholarships) may be considered subject to availability.

## M.PHIL. COURSES

### MUSIC AND MEDIA TECHNOLOGIES (P.Grad.Dip./M.Phil.)

**COURSE CODES 260/257**

*(jointly with the School of Drama, Film and Music)*

For more information, see P.Grad.Dip. entry under School of Drama, Film and Music.

# engineering, mathematics and science

## 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 listed 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. Some diploma courses may not be offered if, for example, the number of applicants is insufficient or adequate resources are not available.

### APPLIED BUILDING REPAIR CONSERVATION (P.Grad.Dip.)

#### COURSE CODE 706

*Course Director:* Dr Sara Pavia

*Duration:* One year, part-time

*Closing Date:* 31 July 2008\*. Applications must be addressed to Ms Mary Keating or Ms Debbie Walsh, Graduate School of Engineering Studies, Museum Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 2516/1457

*Email:* administrative enquiries: [makeatin@tcd.ie](mailto:makeatin@tcd.ie); technical enquiries: [pavias@tcd.ie](mailto:pavias@tcd.ie)

*Internet:* [www.tcd.ie/Civil\\_engineering/postgraduate/diploma/buildingrepair.php](http://www.tcd.ie/Civil_engineering/postgraduate/diploma/buildingrepair.php)

This is a one-year postgraduate course designed to provide civil engineers and other suitably qualified professionals with a good understanding of materials and built fabrics, both modern and traditional; the causes and mechanisms of weathering and corrosion; and the traditional as well as the most advanced ways to repair and preserve them.

The Diploma will comprise lectures and a research project as well as site visits and laboratories. These will take place on Friday evenings and Saturday mornings throughout the three teaching terms (October to May). Two three-hour examination papers will be held in May/June. All three components, course work, project and examination must be passed.

### CONSTRUCTION LAW AND CONTRACT ADMINISTRATION (P.Grad.Dip.)

#### COURSE CODE 614

*Course Director:* Dr Niamh Harty

*Duration:* One year, part-time

*Closing Date:* 31 March 2008\*. Applications must be addressed to Ms Debbie Walsh, Graduate School of Engineering Studies, Museum Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1302

*Email:* administrative enquiries: [debbie.walsh@tcd.ie](mailto:debbie.walsh@tcd.ie);

technical enquiries: [hartyn@tcd.ie](mailto:hartyn@tcd.ie)

*Internet:* [www.tcd.ie/Civil\\_engineering/postgraduate/diploma/construction.php](http://www.tcd.ie/Civil_engineering/postgraduate/diploma/construction.php)

This is a one-year postgraduate course to enable civil engineers and other suitably qualified professionals (such as architects, quantity surveyors and lawyers), to obtain knowledge of construction law equivalent to that required by a competent arbitrator, adjudicator or administrator.

The course has been approved by the Institution of Engineers of Ireland as meeting the requirements for continuing professional development and for admission to the IEI List of Conciliators (Conciliation Procedure 2000). Following the inclusion of an additional module on the Law of Evidence, the course has been approved to Part II status of membership of the Chartered Institute of Arbitrators in London.



The topics covered include Introduction to Legal Systems and Methods; The Law of Tort, including Product Liability; The Law of Contract; The Irish Litigation Process; The Law of Evidence; Contracts in Construction, with particular reference to the standard forms used in Ireland; Public Procurement; Risk and Insurance; Methods of Dispute Resolution; Sureties; Mechanical, Electrical and Process Contracts; Statutory Duties in respect of Construction Projects.

Lectures are normally held on Friday evening and Saturday morning each week throughout the three teaching terms.

### **ENVIRONMENTAL ENGINEERING (P.Grad.Dip.)**

#### **COURSE CODE 201**

*Course Director:* Mr Paul Johnston

*Duration:* One year, part-time

*Closing Date:* 31 July 2008\*. Applications must be addressed to Ms Debbie Walsh, Graduate School of Engineering Studies, Museum Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1372/1457

*Email:* administrative enquiries: [debbie.walsh@tcd.ie](mailto:debbie.walsh@tcd.ie); technical enquiries: [pjohnston@tcd.ie](mailto:pjohnston@tcd.ie)

*Internet:* [www.tcd.ie/Civil\\_engineering/postgraduate/diploma/environmental.php](http://www.tcd.ie/Civil_engineering/postgraduate/diploma/environmental.php)

This is a one-year postgraduate course designed to provide civil engineers and other suitably qualified professionals with a sound knowledge of present day theories and practices in environmental engineering. The course has been developed to have special relevance to the work of the Local Authority and State Sector engineers.

Amongst the topics covered are: air quality; noise; water and wastewater treatment; solid and toxic waste; water quality monitoring and control; development of contaminated land; radiation in the environment;

and environmental control for waterborne diseases. Environmental impact assessments/studies and legal aspects are also included. Lectures are normally held on Friday evening and Saturday morning each week throughout the three teaching terms.

### **FIRE SAFETY PRACTICE (BUILDINGS AND OTHER STRUCTURES) (P.Grad.Dip.)**

#### **COURSE CODE 637**

*Course Director:* Dr Trevor Orr

*Duration:* One year, part-time

*Closing Date:* 31 July 2008\*. Applications must be addressed to Ms Debbie Walsh, Graduate School of Engineering Studies, Museum Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1204

*Email:* administrative enquiries: [debbie.walsh@tcd.ie](mailto:debbie.walsh@tcd.ie); technical enquiries: [torr@tcd.ie](mailto:torr@tcd.ie)

*Internet:* [www.tcd.ie/Civil\\_engineering/postgraduate/diploma/firesafety.php](http://www.tcd.ie/Civil_engineering/postgraduate/diploma/firesafety.php)

This is a one-year postgraduate diploma course designed to enable engineers, architects, fire safety officers and other suitably qualified professionals to obtain a thorough knowledge and understanding of fire in buildings, the fire safety requirements in the design of buildings and the various options available for minimising the risk of fire in buildings.

Among the topics covered are: the fundamentals of fire science; fire engineering; structural design code requirements; fire control systems; legal and insurance aspects; the legislative environment; fire safety management; and the preparation of fire safety certificates. Lectures are normally held on Friday evening and Saturday morning each week throughout the three teaching terms.

# engineering, mathematics and science

## HEALTH AND SAFETY IN CONSTRUCTION (P.Grad.Dip.)

### COURSE CODE 705

*Course Director:* Dr Niamh Harty

*Duration:* One year, part-time

*Closing Date:* 31 July 2008\*. Applications must be addressed to Ms Debbie Walsh, Graduate School of Engineering Studies, Museum Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1302

*Email:* administrative enquiries: [debbie.walsh@tcd.ie](mailto:debbie.walsh@tcd.ie);  
technical enquiries: [hartyn@tcd.ie](mailto:hartyn@tcd.ie)

*Internet:* [www.tcd.ie/Civil\\_engineering/postgraduate/diploma/healthsafety.php](http://www.tcd.ie/Civil_engineering/postgraduate/diploma/healthsafety.php)

This is a one-year postgraduate course 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 the knowledge necessary to perform the roles of Project Supervisor, Health & Safety Coordinator, Safety Advisor, and Safety Officer. In general, the issue of Health and Safety related competency in design and on construction sites is comprehensively dealt with in this program.

Course modules include: health and safety legislation; construction regulations; health and safety training; health and safety management; risk assessment; hazardous substances and operations; health issues; health and safety and the environment.

Lectures are held on Friday evenings and Saturday mornings each week throughout the three teaching terms (October to May).

## HIGHWAY AND GEOTECHNICAL ENGINEERING (P.Grad.Dip.)

### COURSE CODE 186

*Course Director:* Dr Eric Farrell

*Duration:* One-year, part-time

*Closing Date:* 31 July 2008\*. Applications must be addressed to Ms Debbie Walsh, Graduate School of Engineering Studies, Museum Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1146

*Email:* administrative enquiries: [debbie.walsh@tcd.ie](mailto:debbie.walsh@tcd.ie);  
technical enquiries: [efarrell@tcd.ie](mailto:efarrell@tcd.ie)

*Internet:* [www.tcd.ie/Civil\\_engineering/postgraduate/diploma/](http://www.tcd.ie/Civil_engineering/postgraduate/diploma/)

This is a one-year postgraduate course to enable graduate engineers to obtain a sound knowledge of important aspects of highway and geotechnical engineering. In particular, the course is suitable for engineers involved in the provision, maintenance and operation of highways, but it is open to all those holding a degree or equivalent in civil engineering or any other relevant branch of engineering.

The topics covered include: economic aspects of highway planning and programming; structural and geometric design; earthworks; laboratory testing; bearing capacity; embankments on soft soils; ground improvement methods; maintenance and rehabilitation; traffic management; and construction management with particular reference to cost control and quality assurance. Lectures are normally held on Friday evening and Saturday morning each week throughout the three teaching terms.

**PHYSICAL PLANNING (P.Grad.Dip.)****COURSE CODE 210**

*Course Director:* Dr Trevor Orr

*Duration:* One year, part-time

*Closing Date:* 31 July 2008\*. Applications must be addressed to Ms Debbie Walsh, Graduate School of Engineering Studies, Museum Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1204

*Email:* administrative enquiries: [debbie.walsh@tcd.ie](mailto:debbie.walsh@tcd.ie);  
technical enquiries: [torr@tcd.ie](mailto:torr@tcd.ie)

*Internet:* [www.tcd.ie/Civil\\_engineering/postgraduate/diploma/](http://www.tcd.ie/Civil_engineering/postgraduate/diploma/)

This is a one-year postgraduate course designed to provide graduate engineers and other suitably qualified graduates with a sound basic knowledge and awareness of the role of all professional bodies involved in planning the physical infrastructure. In particular this course is suitable for civil engineers in local authorities, planning offices and consultancies, but is open to all those holding other relevant qualifications.

The topics covered include: planning theory and practice; legal aspects and planning legislation; rural and urban planning; economic planning; transportation and land use planning; environmental aspects including environmental impact assessments and studies; geographical information systems; sociology and psychology in planning. Lectures are normally held on Friday evening and Saturday morning each week throughout the three teaching terms.

**PROJECT MANAGEMENT (P.Grad.Dip.)****COURSE CODE 136**

*Course Director:* Dr Trevor Orr

*Duration:* One year, part-time

*Closing Date:* 31 March 2008\*. Applications must be addressed to Ms Debbie Walsh, Graduate School of Engineering Studies, Museum Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1204

*Email:* administrative enquiries: [debbie.walsh@tcd.ie](mailto:debbie.walsh@tcd.ie);  
technical enquiries: [torr@tcd.ie](mailto:torr@tcd.ie)

*Internet:* [www.tcd.ie/Civil\\_engineering/postgraduate/diploma/projectmanagement.php](http://www.tcd.ie/Civil_engineering/postgraduate/diploma/projectmanagement.php)

This is a one-year postgraduate course designed to provide graduate engineers and other suitably qualified graduates with a sound knowledge and understanding of all aspects of project management in civil engineering and construction.

The topics covered include: project planning and control; legal aspects; contracts and tendering procedures; the computer in project control; project accounting and cost control; industrial relations; human resources management and motivation; health and safety; insurance and claims. Lectures are normally held on Friday evening and Saturday morning each week throughout the three teaching terms.

**NOTE** *\*In most cases applications are considered as they are received, therefore early application is recommended. Late applications may be considered if places remain available after the closing date.*

## School of Genetics and Microbiology

*Head of School:* Professor David McConnell

*Director of Teaching and Learning (Postgraduate):*  
Professor Seamus Martin

### MICROBIOLOGY

*Academic Staff Contact:* Professor Cyril Smyth

*Telephone:* +353-1-896 2014/1345

*Fax:* +353-1-679 9294

*Email:* [tfoster@tcd.ie](mailto:tfoster@tcd.ie)

*Internet:* [www.tcd.ie/Microbiology](http://www.tcd.ie/Microbiology)

### RESEARCH PROGRAMMES

Research in Microbiology is focused on two themes that can be summarised as Infection Biology and Systems Biology.

Research groups are housed in the Moyne Institute of Preventive Medicine, a building funded by the Normanby Trust. It is well equipped to support research in modern molecular microbiology. Research is funded by Science Foundation Ireland, The Health Research Board, Enterprise Ireland, The Wellcome Trust, The European Commission, and by companies. There are currently eight members of academic staff, 28 postgraduate students and 14 postdoctoral researchers in Microbiology.

Students who wish to apply to study for a M.Sc. or Ph.D. in the department should initially contact staff members, details of whom can be found on the website above.



## GENETICS

*Academic Staff Contact: Professor Peter Humphries*

*Telephone: +353-1-896 1547*

*Fax: +353-1-679 8558*

*Internet: [www.tcd.ie/Genetics](http://www.tcd.ie/Genetics)*

## RESEARCH PROGRAMMES

Research in Genetics has its origins in molecular, quantitative and population genetics; and the advent of molecular biological technology has opened up many new avenues of genetical research. Research interests can be categorised into the following broad areas: medical genetics, bioinformatics, molecular cell biology, molecular evolution, population genetics, bacterial genetics and plant genetics. Precise details of the research interests of each staff member can be obtained on the Genetics website. Currently, there are 16 members of academic staff and 41 research postgraduate students. Those wishing to study for M.Sc. or Ph.D. degrees in Genetics should contact staff members via the website above.

The Wellcome Ocular Genetics Unit was established in 1992 and has an international reputation for its research on hereditary blindness, especially retinitis pigmentosa (RP). It has identified genes involved in many forms of hereditary blindness including a gene for an autosomal dominant form of RP. It has a research staff of about 20 people and includes a dedicated specific pathogen free (SPF) facility for transgenic mouse research. One of the research aims is to develop novel therapies for forms of inherited blindness.

There is a research group investigating apoptosis and its association with disease. Interests lie in identifying the signals responsible for inducing the apoptotic pathway and identifying the proteases and other factors that participate in the activation cascade. A particular focus is to identify how lesions in this process lead to human disease. The area has been investigating cattle genetics for more than 30 years; a study recently extended to the structure and origins of the cattle of Europe, Asia and Africa. Related studies are being carried out on the thoroughbred horse and the same DNA techniques are now being applied to a study of the origins of the peoples of Ireland.

Staff and students have participated in whole genome sequencing projects including those of the yeast, *Bacillus subtilis*, *Arabidopsis* and human. The area has developed expertise in bioinformatics and molecular evolution, especially yeast evolution. In addition, there is a major research effort in understanding genome structure and evolution. There are also major projects on functional genomics of *Bacillus subtilis* and *Arabidopsis*.

## School of Mathematics

*Head of School:* Professor Samson Shatashvili

*Director of Teaching and Learning (Postgraduate):*  
Dr Richard Timoney

*Telephone:* +353-1-896 1889

*Fax:* +353-1-896 2282

*Email:* mathdep@maths.tcd.ie

*Internet:* www.maths.tcd.ie

Postgraduate study in the School of Mathematics offers students a range of subjects in pure mathematics, theoretical physics, and interdisciplinary subjects such as bioinformatics and neuroscience. The School is small and the setting is informal which encourages close contact with staff, postdoctoral fellows, visiting scholars and fellow postgraduate students. The workshops and guests of the School's Hamilton Mathematics Institute ([www.hamilton.tcd.ie](http://www.hamilton.tcd.ie)) in addition to its joint seminars with the School of Theoretical Physics of the Dublin Institute for Advanced Studies and TCD's three neighbouring universities provide a stimulating intellectual backdrop to a student's stay at TCD.

Postgraduate students in the School may read for a Ph.D. or M.Sc. degree by research. They may also pursue a one-year, full-time taught course in High-Performance Computing. There are no formal course requirements for those pursuing a degree by research, but research students are expected to participate fully in appropriate seminars. Prospective students are expected to possess a good honors degree (i.e. an upper second-class at least) and to have the necessary background to pursue advanced study in their chosen field of research.

## RESEARCH PROGRAMMES

The School has two broad research groups in Pure Mathematics and Theoretical Physics areas.

Pure Mathematics: The main thrust is in analysis, especially partial differential equations, and also operator algebras, operator theory and complex analysis.

### Partial Differential Equations

- Prof. Adrian Constantin: Nonlinear partial differential equations, dynamical systems;
- Paschalis Karageorgis: Hyperbolic nonlinear partial differential equations, especially nonlinear wave and Schrödinger equations. Problems of existence and qualitative properties of solutions;
- John Stalker: Hyperbolic partial differential equations, especially those systems which are of particular physical interest. Mostly these are the Einstein equations of general relativity, but also the Euler equations of fluid mechanics and the equations governing nonlinear elasticity.

### Functional analysis

- Donal P. O'Donovan:  $C^*$ -algebras, especially  $K$ -theory;
- Richard M. Timoney: Operator spaces, complex analysis. Complex analysis and geometry;
- Dmitri Zaitsev has interests including several complex variables (CR geometry), real and complex algebraic geometry, symplectic geometry and Lie group actions.

### Algorithms

- Colm Ó Dúnlaing works on the theory of computation, algorithm design, computational complexity, and computational geometry.





### History of Mathematics

- David Wilkins works on the history of mathematics, concentrating on the work of Hamilton and contemporaries of the 19th century.

Theoretical Physics research groups focus on String Theory, Lattice Quantum Chromodynamics, and Bio-Mathematics.

String Theory: This is one of the most active areas of research in physics and mathematics, lying at the frontier of both sciences. Briefly, it is an attempt to find a unified theory of fundamental interactions, including gravity.

The group's research concentrates on mathematical aspects of string theory with special emphasis on geometric problems and methods. The group is a member of the Marie Curie Forces Universe European network.

- Sergey Cherkis: string theory, supersymmetric gauge theories, integrable systems, supergravity solutions, and quaternionic geometry;
- Anton Gerasimov (HMI Senior Research Fellow): conformal and topological field theory, special geometry, integrable systems;
- Sergey Frolov: string theory, gauge theory/string theory correspondence, integrable systems;

- Calin Lazaroiu: Calabi-Yau compactifications, homological mirror symmetry, topological string field theory, algebraic geometry;
- Prof. Samson Shatashvili: Donaldson and Seiberg-Witten theory, special geometry, string field theory, topological strings.

Further information can be found on the group's homepage: [www.maths.tcd.ie/~string](http://www.maths.tcd.ie/~string).

Lattice Quantum Chromodynamics: By discretising QCD onto a space time lattice one can make the analytically insoluble equations governing the dynamics of gluons and quarks susceptible to numerical investigation and obtain results that are of direct relevance to tests of the Standard Model of elementary particles. The group uses novel discretisation and algorithmic ideas to access a wide range of physics.

- Dr Mike Peardon: Monte Carlo techniques, algorithms for simulating quantum field theories, anisotropic lattices, glueballs, hybrids and exotics, strong decays;
- Dr Stefan Sint: Non-perturbative renormalisation techniques, determination of quark masses and the strong coupling constant, CKM and Standard Model phenomenology;
- Dr Sinead Ryan: heavy quark physics, strong and weak decays, CKM and Standard Model phenomenology, novel lattice discretisations.

Bio-Mathematics is represented by Dr Conor Houghton who is involved in mathematical neuroscience with a particular interest in primary auditory processing.

# engineering, mathematics and science

## M.Sc. COURSES

### HIGH PERFORMANCE COMPUTING (M.Sc./P.Grad.Dip.)

**COURSE CODE 626/714**

*Course Co-ordinator:* Dr Michael Peardon

*Duration:* One year, full-time

*Closing Date:* 31 July 2008 (late applications may be considered if places remain available after the closing date). Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 1485

*Fax:* +353-1-896 2282

*Email:* [mjp@maths.tcd.ie](mailto:mjp@maths.tcd.ie)

*Internet:* [www.maths.tcd.ie/hpcmsc](http://www.maths.tcd.ie/hpcmsc)

Provided by the School of Mathematics, this is a one year (full-time) taught M.Sc. in High Performance Computing. The degree provides practical training in the emerging high performance computing technology sector.

The aim of the course is to train students in practical applications of high-performance technical computing in industry, finance and research. Course content includes computer architecture, software optimisation, parallel programming, classical simulation and stochastic modelling. Application areas include simulation of physical, chemical and biological systems, financial risk management, telecommunications performance modelling, optimisation and data mining. The course has a number of optional elements, allowing specialisation in application areas.

The course includes a strong practical element. Students have unlimited access to a dedicated teaching computing laboratory, and access to the facilities of the Trinity College Centre for High Performance Computing, which include large-scale parallel computers. Career opportunities include mathematical modeling, simulation and forecasting, database mining and resource management. The techniques covered during the year will allow students to work in advanced software development including parallel and concurrent software applications. High-performance technical computing methods are becoming increasingly widespread in research into mathematics, physics, chemistry and biotechnology, engineering and finance, providing a wide range of options for the student wishing to go on to further research.



## School of Natural Sciences

*Head of School:* Professor David Taylor

*Director of Teaching and Learning (Postgraduate):*  
Dr Kenneth Irvine

*Telephone:* +353-1-896 1581

*Email:* [taylor@tcd.ie](mailto:taylor@tcd.ie)

*Telephone:* + 353-1-896 1926

*Email:* [kirvine@tcd.ie](mailto:kirvine@tcd.ie)

*Internet:* [www.naturalscience.tcd.ie](http://www.naturalscience.tcd.ie)

The School of Natural Sciences, comprising the academic units of the departments of Botany, Geography, Geology and Zoology and the Centre for the Environment, forms an internationally recognised, research led centre of academic excellence accommodating biological, physical and social scientists.

### RESEARCH PROGRAMMES

The research interests of many staff in the School overlap, and are often international in their scope targeting a broad range of topics such as: atmospheric and earth processes; biological diversity and conservation; biotic responses to environmental changes; contemporary and historical urban and regional analysis; development and environment; environmental archaeology; geoinformatics; geomorphic hazards; and resource exploration and exploitation. Average annual income to the School from research grants is of the order of €2.5 million, supporting post-doctoral and post-graduate researchers engaged in a wide range of dynamic research

areas. In 2006-7, there were in excess of 130 post-graduate research students and a further 23 students registered for the one-year taught Masters degree in Environmental Sciences. In 2007-8 the School will attract a further 16 students for the new one-year Masters course in Biodiversity and Conservation. The School's website (address above) provides up-to-date information on the research interests of individual and groupings of members of academic staff in the School.



# engineering, mathematics and science

## M.Sc. COURSES

### BIODIVERSITY AND CONSERVATION (M.Sc./ P.Grad.Dip.)

**COURSE CODE 748/922**

*Course Director:* Dr Stephen Waldren

*Duration:* One year, full-time

*Credit Value:* M.Sc.: 90 ECTS; P.Grad.Dip.: 60 ECTS

*Closing Date:* 16 June 2008

*Telephone:* +353-1-4972070

*Email:* [swaldren@tcd.ie](mailto:swaldren@tcd.ie)

*Internet:* [www.naturalscience.tcd.ie](http://www.naturalscience.tcd.ie)

The course is designed to provide students with a sound theoretical and practical grounding in the science of biological diversity and its conservation. This modular course will utilise a range of teaching methods to develop key theoretical knowledge and link this to practical skills. Skills in developing research methods will be developed through desk studies and (for M.Sc. candidates only) a research project.

Applicants will be required to hold at least an upper second-class honors in a science subject that included significant components of botany, zoology or a relevant life science. Non-EU applicants will be required to hold an equivalent qualification. Candidates with relevant, and significant, experience as professional practitioners in Biodiversity management or policy may be accepted with lower qualifications.

The course will run over a twelve-month period. All modules are compulsory for M.Sc. candidates while P.Grad. Dip. candidates are required to take all modules except the Project Planning and Research Project.

## ENVIRONMENTAL SCIENCES (M.Sc./P.Grad.Dip.)

**COURSE CODE 169/651**

*Course Co-ordinator:* Dr Robin Edwards

*Duration:* One year, full-time

*Credit Value:* M.Sc.: 90 ECTS; P.Grad.Dip.: 60 ECTS

*Closing Date:* 16 June 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2 and should be accompanied by a one-page covering letter outlining the applicant's interest/experience in the environmental field.

*Telephone:* +353-1-896 1713

*Email:* [edwardsr@tcd.ie](mailto:edwardsr@tcd.ie)

*Internet:* [www.naturalscience.tcd.ie](http://www.naturalscience.tcd.ie)

This full-time, intensive course is intended for administrative and scientific workers and new graduates with an appropriate biological/earth science background. It comprises a series of taught modules encompassing a variety of current environmental themes, followed by a five-month, research project. There is also the possibility to opt for a diploma course in Environmental Sciences, consisting of the taught modules only.

The course aims to provide a firm scientific understanding of current environmental issues that will be of relevance to those interested in environmental management and related areas. The course provides a foundation of understanding of current environmental policies and legislation, and builds upon this with practical and theoretical courses that include subjects such as ocean and coastal management, water resources and pollution, climate change and environmental impact assessment. Theory and practice are closely linked to develop field, analytical, and presentation skills, including dedicated modules relating to data analysis and Geographic Information Systems. The course provides the opportunity to develop interests in particular areas of Environmental Science through tutorials, seminars and an extended desk study.

Following successful completion of the taught part of the course, students embark on a closely supervised research project intended to expand the skills and knowledge base acquired in earlier modules. Previous research projects have covered a diverse range of subjects including: groundwater contamination; atmospheric heavy metal deposition; environmental education; sewage processing systems; bio-indicators of marine pollution; and the impacts of erosion in African lakes.



## School of Physics

*Head of School:* Professor James Lunney

*Director of Teaching and Learning (Postgraduate):*  
Dr Stefano Sanvito

*Telephone:* +353-1-896 1675

*Fax:* +353-1-671 1759

*Email:* physics@tcd.ie

*Internet:* www.tcd.ie/Physics

### RESEARCH PROGRAMMES

The School of Physics with 25 staff members, 60 postdoctoral researchers and over 100 Ph.D. students is the largest school of physics in Ireland. The main research areas are Nanotechnology, Scientific Computing and Photonics with activities ranging from spin-electronics, to carbon nanotubes and semiconductor lasers. There are also research groups working on soft-condensed matter and astrophysics with a new section on bio-nano Physics, making the School an exciting and vibrant academic environment. Several staff members of the School have research programmes in the Centre for Research on Adaptive Nanostructures and Nanodevices (CRANN, <http://www.crann.tcd.ie>). This is a highly interdisciplinary centre jointly funded by Science Foundation Ireland, Trinity College Dublin and private sponsors including Intel and HP. CRANN provides several new state of the art facilities required to explore the world of nanoscience. The Photonics group is linked with the Centre for Telecommunications Value-Chain Research (CTVR, <http://www.ctvr.ie>) which is working in close collaboration with Bell Labs Ireland in the development of modern telecommunications.

Three professors in the School of Physics are Fellows of the Royal Society (Prof. J.M.D. Coey, Prof. D. Weaire and Prof. J. Pethica).

The international reputation of the School is based on several recent research achievements that include, the discovery of magnetic order in graphite from meteors, the developments in the fabrication and use of carbon nanotubes, breakthroughs in light amplification by fibres and waveguides, the synthesis and characterisation of novel diluted magnetic semiconductors, the development of advanced computational methods for quantum transport in atomic structures, the investigation of static and dynamical properties of foams.

The School maintains a dense network of international collaborations in Europe, USA and Japan. Students exchange and extended visiting periods abroad are not unusual during the duration of a Ph.D. degree, and contribute to widen the student knowledge and experience.

In addition, the School of Physics generates many patents and five spin-off companies have been established from its research.

The School has an annual research budget of €10 million and registers about 30 new postgraduate research students every year. Typically, for these students, the School, through research funding, provides financial support to cover living expenses and College fees. The School organises research training and educational programmes for all its postgraduate students. Graduate students are actively engaged in the life of the School and make an important contribution to its success. Regular seminar series, induction courses and technical training are among the various activities offered to the students. Initially all the research students register on the Masters programme and then transfer to the Ph.D. register within the first year and a half. Typically a Ph.D. degree takes between three and four years, while a M.Sc. takes between one and two years.



health sciences



# health sciences



iv

**SCHOOL OF DENTAL SCIENCE**

**SCHOOL OF MEDICINE**

**SCHOOL OF NURSING  
AND MIDWIFERY**

**SCHOOL OF PHARMACY AND  
PHARMACEUTICAL SCIENCES**

## School of Dental Science

*Head of School:* Professor Noel Claffey

*Director of Teaching and Learning (Postgraduate):*  
Dr Anne O'Connell

*Telephone:* +353-1-612 7262/7303

*Fax:* +353-1-612 7298

*Email:* info@dental.tcd.ie

*Internet:* web1.dental.tcd.ie

The School of Dental Science comprises some 28 full-time and 60 part-time academic staff, 11 research students and 18 students following taught courses. Dental Science is based in, and is closely linked with, the Dublin Dental Hospital. The Hospital completed a programme of extensive refurbishment and expansion in 1998 with the addition of a state-of-the-art research laboratory in 2004.

The School is currently expanding its research, postgraduate and office facilities. It has modern clinical facilities and a wide-ranging programme of dental education at postgraduate level, as well as an innovative programme of continuing education for dental practitioners. There are specialist training programmes in Oral Surgery, Orthodontics, Periodontics, Prosthodontics, Paediatric Dentistry and Special Care Dentistry, supported by consultant training programmes in many areas of dentistry, and research degrees at Masters and Ph.D. level. As part of the team approach, there are training programmes for dental hygienists, dental nurses and dental technicians, a Postgraduate Diploma course in Clinical Dentistry aimed at general dental practitioners as well as hands-on courses for dentists in the public service.

### RESEARCH PROGRAMMES

There is an active research output in all divisions: Oral Surgery, Oral Medicine and Oral Pathology; Public and Child Dental Health; Restorative Dentistry and Periodontology. In recent years, focus has been increasingly on infections associated with HIV and AIDS patients, on fungal diseases, salivary disorders, oral cancer and biofilms – sources of infection in dental water lines, and dental implants.

Recently, staff have developed collaborative research projects with the Trinity Centre for Bioengineering (T.C.B.E.). Staff have also initiated a very strong educational development and research base in collaboration with dental schools in European countries and the USA. Recent senior appointments in Restorative Dentistry, Oral and Maxillo-Facial Surgery and Special Care Dentistry will add to the research output and training in these areas.

## NAMED DEGREE PROGRAMMES

### PROFESSIONAL DOCTORATE IN DENTAL SURGERY (D.Dent.Ch.)

#### COURSE CODES 564/565

*Duration:* Three years, full time; five years, part time

*Closing Date:* 28 February 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

The programme for the Professional Doctorate in Dental Surgery (D.Dent.Ch.) involves a compulsory module in Advanced Dental Science together with a choice of specialist discipline specific taught modules. All courses require the student to complete a thesis. On award of the Professional Doctorate, students will be eligible to be considered for inclusion in the Dental Council of Ireland's Specialist List, in those disciplines for which there is a List, currently Oral Surgery and Orthodontics. Further details on each of the courses are given below:

#### ORAL SURGERY

*Course Organiser:* Prof. Leo Stassen

*Telephone:* +353-1-612 7310/7314

*Email:* leo.stassen@dental.tcd.ie

The Doctorate course held over a three year period prepares the student for the practice of oral surgery at specialist level. In addition, students attend a core course common to all of the postgraduate clinical dental disciplines. The core course provides a wide background in biology, clinical management, epidemiology and statistics and in science related to dentistry. The graduate should also be capable of teaching the practice of oral surgery at postgraduate level. In the remaining years students will have a wide and varied exposure to the practice of oral surgery (including

oral medicine and oral pathology). On completion of the degree the graduate should be competent in a wide-range of oral surgical procedures. Students will also undertake a research project leading to a thesis. The findings should be suitable for publication in peer reviewed international journals. The course leads to the award of Doctorate in Dental Surgery (D.Dent.Ch.) and fulfils the criteria for specialist recognition by the Dental Council of Ireland.

#### ORTHODONTICS

*Course Organiser:* Dr Therese Garvey

*Telephone:* +353-1-612 7277/7303

*Email:* therese.garvey@dental.tcd.ie

This taught postgraduate programme provides training for dentists who wish to specialise in orthodontics. The course runs for three years leading to the award of Doctorate in Dental Surgery (D.Dent.Ch.), and fulfils the criteria for specialist recognition by the Dental Council of Ireland. It is the intention of this course to develop students' clinical skills in the light of currently available scientific knowledge. In addition, students attend a core course common to all of the postgraduate clinical dental disciplines. The core course provides a wide background in biology, clinical management, epidemiology and statistics and in science related to dentistry. Students are expected to design, perform and write up a research study leading to a thesis. This research activity should also provide the basis for a refereed publication.

# health sciences

## PAEDIATRIC DENTISTRY

*Course Organiser:* Dr Anne O'Connell

*Telephone:* +353-1-612 7262/7303

*Email:* anne.oconnell@dental.tcd.ie

The course has been developed with the intention of fulfilling the criteria for specialist recognition identified by the Dental Council of Ireland. Students attend a core course common to all of the postgraduate clinical dental disciplines. The core course provides a wide background in biology, clinical management, epidemiology and statistics and in science related to dentistry. Academic courses, related specifically to Paediatric Dentistry occur throughout the programme. Clinical experience is provided in the Dublin Dental Hospital and the associated Paediatric Hospitals. Students are required to complete a research project leading to a thesis, and at least one publication in a peer reviewed international journal. The course leads to the award of Doctorate in Dental Surgery (D.Dent.Ch.).

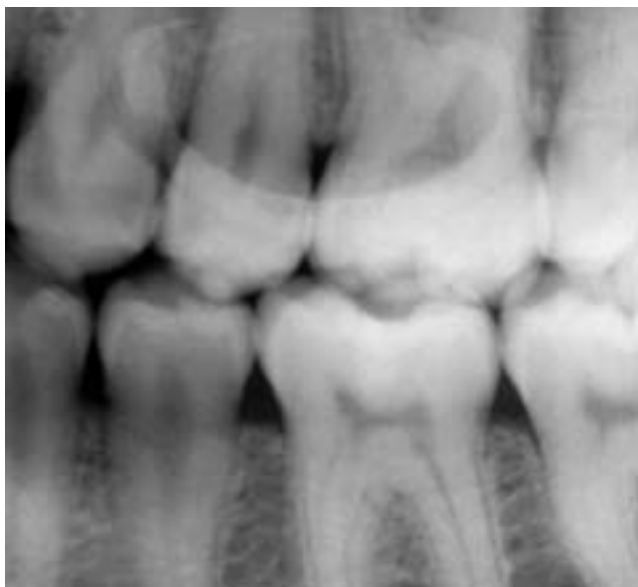
## PERIODONTICS

*Course Organiser:* Prof. Noel Claffey

*Telephone:* +353-1-612 7306/7316

*Email:* nclaffey@dental.tcd.ie

The course in periodontics focuses on the management of periodontal conditions and the planning and execution of oral implant therapy. The course includes didactic and clinical components and provides the basis for continuing professional development after completion of the programme. In addition, students attend a core course common to all of the postgraduate clinical dental disciplines. The core course provides a wide background in biology, clinical management, epidemiology and statistics and in science related to dentistry. The course in periodontics has been developed with the intention of fulfilling the criteria for specialist recognition identified by the Dental Council of Ireland. The clinical teaching is based in the scientific literature. The research emphasis centres on assessment of periodontal treatment modalities, regeneration of periodontal tissue components and bone augmentation around implants in areas of deficient bone. Students also undertake a research project leading to a thesis. The findings should be suitable for publication in peer reviewed international journals. The course leads to the award of Doctorate in Dental Surgery (D.Dent.Ch.).





## PROSTHODONTICS

*Course Organiser:* Prof. Brian O'Connell

*Telephone:* +353-1-612 7312

*Email:* boconnell@tcd.ie

The postgraduate prosthodontics programme prepares students for the clinical practice of prosthodontics at specialist level and provides the basis for continuing professional development after completion of the programme. The course has been developed to fulfill the criteria for specialist recognition by the Joint Committee for Specialist Training in Dentistry. Approximately sixty per cent of the training programme centres on clinical fixed and removable prosthodontics, management of the edentulous state, and implant dentistry. In addition, students attend a core course common to all of the postgraduate clinical dental disciplines, literature reviews in prosthodontics and clinical case presentations. Each student will also undertake a research project leading to a thesis. The findings should be suitable for publication in peer reviewed international journals. This course leads to the award of Doctorate in Dental Surgery (D.Dent.Ch.).



## SPECIAL CARE DENTISTRY

*Course Organiser:* Prof. June Nunn

*Telephone:* +353-1-612 7337/7303

*Email:* june.nunn@dental.tcd.ie

Special Care Dentistry is that branch of Dentistry, which provides preventive and treatment services for people who are unable to accept routine dental care because of some physical, intellectual, medical, emotional, sensory, mental or social impairment, or a combination of these. Alongside the Core Course in basic sciences of relevance to the discipline, which is undertaken by all students on the taught postgraduate programme in the Dental School and Hospital, there are a series of seven modules. These cover: general and oral/dental aspects of impairment, planning of dental services, preventive and health promotion activities, inter-professional working, legislation and ethics, use of behaviour management strategies such as sedation and general anaesthesia, audit and research. Part of the programme will incorporate some of the modules from the Developmental Disabilities Graduate Diploma Course in University College Dublin. As well, there will be attachments with outside agencies alongside hands-on clinical training in the Dublin Dental School and Hospital. The research thesis undertaken as part of the course should lead to at least one publication in a peer-reviewed journal. The course has been developed with the intent that it should be recognised for specialty training by the Dental Council of Ireland under the auspices of the relevant Advisory Committee of the Irish Committee for Specialist Training in Dentistry. On successful completion of the three year, full time programme, the degree of D.Dent.Ch. will be awarded. There is the option to undertake part-time study, over five years.

# health sciences

## MASTER IN DENTAL SCIENCE (M.Dent.Sc.)

### COURSE CODE 153

Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

Candidates for the degree of M.Dent. Sc. must hold the degree of Bachelor in Dental Science of the University of Dublin or the National University of Ireland, having trained at UCD, or hold the Licentiate in Dental Surgery of the Royal College of Surgeons in Ireland, or have been the holder of a primary dental qualification and for at least one year prior to registration have been a full-time or part-time member of staff of the College, or a formally appointed Research Fellow of the College or have held an appointment in one of the teaching hospitals with which College has a formal association.

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 in Ireland), must carry out the greater part of the research while on the staff of the College or Dental Hospital. The completed thesis must be presented not less than one year and not more than five years following registration. Applications must be made on the official form, which may be obtained from the Graduate Studies Office.

## 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 listed 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.

## CLINICAL DENTISTRY (P.Grad.Dip.)

### COURSE CODE 621

*Course Director:* Dr Osama Omer

*Duration:* Two years, part-time

*Closing Date:* Please contact the Course Director for more details.

*Telephone:* +353-1-612 7214

*Internet:* [web1.dental.tcd.ie](http://web1.dental.tcd.ie)

This course is designed to fill the need, identified by the Dental Council, for a continuing education programme for the Dental Profession. The course aims to combine a 'hands-on' approach with theory. Students have a choice of nine modules, of which they must successfully complete six in order to obtain their Postgraduate Diploma. Students have to provide their own nursing care (where 1:1 assistance is required) and patients on some modules.

The course aims to give insight into the theory and scientific rationale of various aspects of dental practice, develop clinical ability in the relevant areas, and develop confidence in the use of new skills.

The modules offered are: adhesive dentistry, removable prosthodontics, fixed prosthodontics, periodontal therapy, endodontics, oral medicine, orthodontics, dento-alveolar surgery and paediatric dentistry. In addition a core course covering cross-control of infection, medical emergencies in dental practice, ethics, malpractice and risk management and other issues will be taken by all participants. The course is assessed by a combination of objective structured clinical examinations, completion of clinical competency and continuous assessment.

*Professional Requirements:* Registration with the Dental Council of Ireland and also current personal professional indemnity insurance.



## CONSCIOUS SEDATION IN DENTISTRY (P.Grad.Dip.)

### COURSE CODE 773

*Course Co-ordinator:* Dr Mary Clarke

*Duration:* Eighteen months, part-time

*Credit Value:* 60 ECTS

*Closing Date:* 31 October 2007 for January 2008 entry;

30 April 2009 for July 2009 entry

*Telephone:* +353-1-612 7207/7314

*Email:* mary.clarke@dental.tcd.ie

*Internet:* web1.dental.tcd.ie

The Postgraduate Diploma course is held over an eighteen-month period. The course provides a wide background of appropriate education and training in conscious sedation techniques to enable dentists to practice conscious sedation to the highest national and international standards both safely and independently. A comprehensive education in the theoretical principles of conscious sedation, anxiety and pain control will be taught and clinical skills will be developed. The course leads to the award of Postgraduate Diploma in Conscious Sedation in Dentistry.

Applicants must possess a dental degree, which is registerable with the Dental Council in Ireland. Entry to training in conscious sedation in dentistry would normally follow a two-year period of general professional training that a student would already have undergone. Applicants must have evidence of satisfactory seroconversion for protection against Hepatitis B. Applicants will also be required to undergo Garda (police) Vetting. Closing date for entry to the course in January 2008 will be set at end of October 2007. Closing date for entry to the second intake in July 2009 will be set at end of April 2009.

## School of Medicine

*Head of School:* Professor Dermot Kelleher

*Director of Teaching and Learning (Postgraduate):*  
Professor Mark Lawler

*Telephone:* +353-1-896 1476

*Fax:* +353-1-671 3956

*Internet:* [www.medicine.tcd.ie/pgeducation](http://www.medicine.tcd.ie/pgeducation)

The School of Medicine is responsible for the education and training of individuals who will play a major role in health care, including doctors, occupational therapists, physiotherapists and radiation therapists. There are numerous opportunities for study at postgraduate level through the Research and Postgraduate School within Health Sciences.

The School of Medicine maintains its international leadership today in biomedical research and postgraduate education and was the first Faculty of Health Sciences in these islands. This interdisciplinary approach offers the potential to educate and train the full range of health care personnel in an integrated Faculty.

The Haughton Institute for Postgraduate Education and Training in the Health Sciences was launched in 1998, in order to support postgraduate education and research between the Faculty of Health Sciences and its teaching hospitals. This is an independent corporate body wholly owned by its three members – Trinity College, St. James's Hospital and the Adelaide and Meath Hospital Dublin incorporating the National Children's Hospital at Tallaght.

The institute works closely with the Health Sciences Research and Postgraduate School. The Health Sciences School of Research and Postgraduate Studies supports and coordinates research and graduate activity in the Faculty of Health Sciences including research centres, postgraduate taught programmes at postgraduate diploma and M.Sc. level, higher degrees by research and centres for interdisciplinary programmes.

### RESEARCH PROGRAMMES

The Graduate School continues to expand the number and range of its graduate courses. The School of Medicine is actively expanding its research activity at St. James's and Tallaght, including the establishment of the Institute for Molecular Medicine to include the John Durkan Institute for Leukaemia Research, the Dublin Molecular Medicine Centre, and the Institute of Cardiovascular Science. Its objectives include harnessing the resources available to its members to facilitate the creation of vibrant and international activity in areas such as Postgraduate Education and Training, Management and Funding of Research and Service Development and Consultancy.

Any surplus income from these activities will endow work consistent with the Institute's objectives in the College and Teaching Hospitals. The Institute will enable its members to be more effective in achieving excellence and provides the services necessary to facilitate, support and encourage staff in College and the Teaching Hospitals to achieve the objectives they share. These include: Education & Training; Management and Funding of research; service Development and consultancy; and teaching facilities.



**SCHOOL ADMINISTRATION** (Old Stone Building, Trinity Centre for Health Sciences, St. James's Hospital, Dublin 8)

Research and Postgraduate School Administrator,  
Ms Dara O'Mahony  
*Telephone:* +353-1-896 3557  
*Email:* omahoned@tcd.ie

School of Medicine Administrator,  
Ms Fedelma McNamara  
*Telephone:* +353-1-896 1636  
*Email:* fmcnamar@tcd.ie

## NAMED DEGREE PROGRAMMES

### DOCTORATE IN MOLECULAR MEDICINE (M.Sc./Ph.D.)

#### *COURSE CODE 729/730*

*Programme Co-ordinator:* Dr Ross McManus

*Duration:* Four years, full-time

*Closing Date:* 2 March 2008 (late applications may be considered if places remain available after the closing date).

Applications and enquiries should be addressed directly to Ms Sheila Walshe, Clinical Medicine, Trinity Centre for Health Sciences, St. James's Hospital, Dublin 8.

*Telephone:* +353-1-896 3157

*Email:* molec.medic@tcd.ie

*Internet:* [www.gen.tcd.ie/molmed](http://www.gen.tcd.ie/molmed) or [www.gen.tcd.ie/molmed/phd](http://www.gen.tcd.ie/molmed/phd)

This programme aims to provide participants with an in-depth understanding of the emerging field of molecular medicine, which draws together developments in molecular and cellular biology to describe disease processes at a functional level – that is, at the level of molecular interactions.

Traditionally, the teaching of science has tended to take a specialised disciplinary approach that is increasingly viewed as sub-optimal in explaining disease at the functional level. This programme provides a composite and integrated approach, which incorporates teaching and self-directed learning into the molecular basis of disease combined with a programme of laboratory research incorporating both genetics and cell biology. Candidates may choose from a menu of basic and advanced taught modules in the first year. The central focus of this research programme is the interaction of the genome, the proteome and the environment in the causation of human disease.

# health sciences

The programme takes place in the Trinity College Institute of Molecular Medicine (IMM), a state-of-the-art facility dedicated to research into the molecular basis of human disease on St James's Hospital campus. The Institute and collaborating partners are equipped to the highest standards with molecular and cell biology technologies including gene mapping transcriptomics, proteomics, real-time imaging, live cell confocal microscopy and high content cell screening and analysis, featuring Cellomics Kineticscan workstation and GE Healthcare In Cell Analyser, making the existing setting unique among the academic institutions in Europe. The programme is based in the IMM, and brings together world-class scientists from the IMM, the Smurfit Institute of Genetics, the School of Biochemistry and Immunology, TCD and leading international scientific technology developing companies, in a multidisciplinary research environment. The IMM is a component of the prestigious Dublin Molecular Medicine Centre and the EuroLife consortium of leading European universities.

The course consists of a first year comprising taught modules and laboratory rotations. Students are assessed at the end of the first year and must have achieved a satisfactory level in order to progress to the remainder of the programme, which consists of a three-year laboratory training programme leading to a doctoral degree. This is one of two programmes of its kind in Ireland. It is fully funded over four years by the Health Research Board in Ireland including an annual stipend of €18,000. The programme aims to train scientists to the highest levels internationally in a broad range of disciplines. In-take is limited to six individuals per year with a demonstrated level of excellence and achievement.

Applications are sought from high calibre applicants with backgrounds in biological, medical, dental and pharmaceutical sciences. Applicants from other appropriate backgrounds may also be considered. Applications for this programme should be made on the official form, which may be obtained from the

Graduate Studies Office along with of a detailed CV, personal statement and the names of at least two academic referees.

## DOCTORATE IN NEUROSCIENCE (M.Sc./Ph.D.)

### COURSE CODE 727/728

*Programme Directors:* Prof. Marina Lynch, Prof. Shane O'Mara

*Programme Co-ordinator:* Ms Sandra Ellis

*Duration:* Four years, full-time

*Closing Date:* 30 June 2008. Applications should be addressed directly to Ms. Sandra Ellis, Senior Executive Officer, Trinity College Institute of Neuroscience, Trinity College, Dublin 2.

*Telephone:* +353-1-896 8484

*Email:* [ellissa@tcd.ie](mailto:ellissa@tcd.ie)

*Internet:* [www.neuroscience.tcd.ie/study/phd.php](http://www.neuroscience.tcd.ie/study/phd.php)

Trinity College Institute of Neuroscience (TCIN) is an interdisciplinary research and teaching institute, which is the focal point for a four-year M.Sc./Ph.D. programme in Neuroscience. The structure of the programme is tailored to ensure a broad, interdisciplinary experience of laboratory techniques, clinical methods and coursework. Research and training is conducted within custom-designed laboratories, interaction spaces, seminar rooms and write-up spaces, in an explicitly interdisciplinary context, where fundamental, problem-orientated research is conducted in the context of a desire to contribute to human health and welfare. Students initially register for a Masters degree and on successful completion of the academic training requirements, transfer to the Ph.D. register at the end of the first year.



**DOCTOR IN MEDICINE (M.D.)****COURSE CODE 161**

Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

Candidates for the M.D. degree must be M.B. graduates (or acceptable equivalent) of at least three years standing. A candidate must either be a graduate of the University of Dublin or have been for at least one year prior to registration a full-time or part-time member of staff of the College, or a formally appointed Research Fellow of the College or a Registrar in one of the teaching hospitals with which the College has a formal association. Applications must be made on the official form, which may be obtained from the Graduate Studies Office. Work for this degree may be carried out elsewhere than in the College itself, save that in the case of candidates who are not graduates of the University of Dublin, the bulk of the research work eventually submitted must be carried out while they are on the staff of the College or Hospital. A thesis for examination must be presented not less than twelve months or not more than five years after the date of registration. Advice to applicants is contained in the document "Doctor in Medicine (M.D.), Guidelines for Candidates". Applications to the M.D. register must first be assessed for acceptance by the internal Professional Higher Degrees Committee. Distinguished graduates of the University of Dublin may submit a thesis for the degree of M.D., which is based solely on published work relating to a single theme. In such cases the normal regulations concerning admission to the postgraduate register and minimum time between registration and submission will not apply.

**MASTER IN OBSTETRICS (M.A.O.)****COURSE CODE 155**

Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

Candidates for the M.A.O. degree must be M.B. graduates (or acceptable equivalent) of at least three years standing. A candidate must either be a graduate of the University of Dublin or have been for at least one year prior to registration a full-time or part-time member of staff of the College, or a formally appointed Research Fellow of the College or a Registrar in one of the teaching hospitals with which the College has a formal association. Applications must be made on the official form which may be obtained from the Graduate Studies Office.

Work for this degree may be carried out elsewhere than in the College itself, save that in the case of candidates who are not graduates of the University of Dublin, the bulk of the research work eventually submitted must be carried out while they are on the staff of the College or Hospital, as the case may be. A thesis for examination must be presented not less than twelve months or not more than five years after the date of registration. Applications to the M.A.O. register must first be assessed for acceptance by the internal Professional Higher Degrees Committee.

# health sciences

## MASTER IN SURGERY (M.Ch.)

### COURSE CODE 156

Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

Candidates for the M.Ch. degree must be M.B. graduates (or acceptable equivalent) of at least three years standing. A candidate must either be a graduate of the University of Dublin or have been for at least one year prior to registration a full-time or part-time member of staff of the College, or a formally appointed Research Fellow of the College or a Registrar in one of the teaching hospitals with which the College has a formal association. Applications must be made on the official form, which may be obtained from the Graduate Studies Office.

Work for this degree may be carried out elsewhere than in the College itself save that in the case of candidates who are not graduates of the University of Dublin, the bulk of the research work eventually submitted must be carried out while they are on the staff of the College or Hospital. A thesis for examination must be presented not less than twelve months or not more than five years after the date of registration. Applications to the M.Ch. register must first be assessed for acceptance by the internal Professional Higher Degrees Committee of the Medical School. Distinguished graduates of the University of Dublin may submit a thesis for the degree of M.Ch., which is based solely on published work relating to a single theme. In such cases the normal regulations concerning admission to the postgraduate register and minimum time between registration and submission will not apply.

## M.Sc. COURSES

### CARDIAC REHABILITATION (M.Sc./P.Grad.Dip.)

#### COURSE CODE 676

*Course Director:* Prof. Ian Graham

*Course Co-ordinator:* Dr John Gormley

*Duration:* Two years, part-time

*Closing Date:* 31 May 2008. Applications should be addressed directly to Ms Dara O'Mahony, School of Research and Postgraduate Education, Trinity Centre for Health Sciences, St. James's Hospital, Dublin 8.

*Telephone:* +353-1-896 3556/3557

*Fax:* +353-1-453 1915

*Email for Application Forms:* [gradapps.hs@tcd.ie](mailto:gradapps.hs@tcd.ie)

*Course Telephone:* +353-1-896 2121

*Course Email:* [jgormley@tcd.ie](mailto:jgormley@tcd.ie)

*Internet:* [www.medicine.tcd.ie/physiotherapy/courses](http://www.medicine.tcd.ie/physiotherapy/courses)

This course aims to provide health professionals with an understanding of cardiac rehabilitation, prepare health professionals to provide an effective cardiac rehabilitation service and to objectively evaluate their clinical practice through research.

The course requires attendance on a part-time basis over two years. In year one, students normally attend three days per month during academic term. In addition, a four-week block of practical experience (138 hours) is timetabled to occur at the end of the Trinity term in year one and the start of year two. In year two the dissertation is undertaken, which involves regular meetings between the student and supervisor.

The course is intended for those currently working in or about to develop cardiac rehabilitation programmes either within Cardiology Departments or Primary Care units. Candidates suitable for entry to the course will be recognised health care professionals, e.g. Chartered Physiotherapists, Bord Altranais Physicians.

**CARDIOLOGY (M.Sc.)****COURSE CODE 223**

*Course Co-ordinator:* Dr Niall Mulvihill

*Duration:* Two years, full-time; three years, part-time

*Closing Date:* 30 June 2008. Applications should be addressed directly to Ms Dara O'Mahony, School of Research and Postgraduate Education, Trinity Centre for Health Sciences, St. James's Hospital, Dublin 8.

*Telephone:* +353-1-896 3556/3557

*Email for Application Forms:* gradapps.hs@tcd.ie

*Course Telephone:* +353-1-416 2981

*Course Email:* mulvihn@tcd.ie

*Internet:* [www.medicine.tcd.ie/pgeducation](http://www.medicine.tcd.ie/pgeducation)

This course is either of two or three years duration and is designed to provide a high level of postgraduate training for doctors wishing to become trained in non-invasive and invasive cardiology. Applicants will have a M.R.C.P.I. or equivalent qualification.

The course aims to provide the theoretical knowledge, technical skills and research skills necessary to run a comprehensive cardiac service. It consists of lectures, clinically supervised practical procedures in the management of the cardiac patient, and a research project or dissertation. The course is assessed by examination, continual assessment and assessment of the research project or dissertation.

**CHILD AND ADOLESCENT PSYCHOANALYTIC PSYCHOTHERAPY (M.Sc.)****COURSE CODE 224**

*Course Director:* Prof. Michael Fitzgerald,

*Course Co-ordinator:* Ms Sherry Doyle

*Duration:* Three years, part-time

*Closing Date:* To be confirmed. Next in-take: October 2008. Applications should be addressed directly to Ms Dara O'Mahony, School of Research and Postgraduate Education, Trinity Centre for Health Sciences, St. James's Hospital, Dublin 8.

*Telephone:* +353-1-896 3556/3557

*Email:* gradapps.hs@tcd.ie

*Course Telephone:* +353-1-626 7512 / 261 5900

*Internet:* [www.medicine.tcd.ie/psychiatry/courses/postgraduate/child\\_and\\_adolescent](http://www.medicine.tcd.ie/psychiatry/courses/postgraduate/child_and_adolescent)

The aim of this course is to provide in-depth training to mental health professionals working with emotionally and behaviourally disturbed children and adolescents.

The course is part-time over three years and has an in-take every three years. There are four components: lectures/seminars one day per week for the academic year; supervised treatment of children and adolescents; observation of normal infant at home weekly for two years; and personal psychotherapy. Assessment is based on evaluation by case supervisor, written examination, infant observation paper, dissertation and viva voce.

# health sciences

## CLINICAL CHEMISTRY (M.Sc./P.Grad.Dip.)

### COURSE CODE 736

*Course Co-ordinator:* Dr Gerard Boran

*Duration:* Two years, part-time

*Closing Date:* 30 June 2008. Applications should be addressed directly to Ms Dara O'Mahony, School of Research and Postgraduate Education, Trinity Centre for Health Sciences, St. James's Hospital, Dublin 8.

*Telephone:* + 353-1-896 3556/3557

*Email for Application Forms:* [gradapps.hs@tcd.ie](mailto:gradapps.hs@tcd.ie)

*Course Telephone:* +353 1 414 3911

*Course Email:* [g.boran@amncn.ie](mailto:g.boran@amncn.ie)

*Internet:* [www.medicine.tcd.ie/clinical\\_biochemistry/courses](http://www.medicine.tcd.ie/clinical_biochemistry/courses)

This M.Sc. programme in Clinical Chemistry is offered on a part-time basis over 2 years. Candidates who are employed as medical scientists, clinical biochemists or medical doctors and who wish to develop a special interest in Clinical Biochemistry are particularly invited to apply. All students regardless of background will gain a comprehensive understanding of the principles of Clinical Biochemistry to an advanced level, including clinical and research aspects and with special attention to current developments in the discipline.

A comprehensive lecture programme will be delivered on Fridays over five terms. This will consist of 6 Modules (Clinical Chemistry I and II, Endocrinology and Metabolism I and II, Quality Assurance and Laboratory Management, and a Revision Module in the final term). Each module will include Techniques Workshops: these will focus on developing practical skills through demonstrations and assignments in the candidates' base laboratory. A series of Clinical Laboratory Interface Workshops will foster clinical reasoning and data presentation skills. A research dissertation conducted in the candidates' base laboratory will also form part of the course. Instruction on research methods will be included.

The course is assessed by means of a final examination which consists of two written papers, a practical assessment consisting of a series of short cases, and a viva voce. The writing of a dissertation based on a research project is also a requirement for the M.Sc.

## GLOBAL HEALTH (M.Sc.)

### COURSE CODE 731

*Course Director:* Dr Adebola Adedimeji

*Duration:* One year, full-time

*Closing Date:* 31 May 2008. Applications should be addressed directly to the Senior Executive Officer/Course Administrator, Centre for Global Health, 3-4 Foster Place, Trinity College, Dublin 2.

*Telephone:* +353-1-896 8594

*Email:* [global.health@tcd.ie](mailto:global.health@tcd.ie)

*Internet:* [www.medicine.tcd.ie/global\\_health/courses/masters](http://www.medicine.tcd.ie/global_health/courses/masters)

The M.Sc. Global Health, building on and replacing our previous successful Masters in International/Community Health, aims to prepare graduates to contribute on a broader scale to the design, implementation, and management of health programmes, health systems development and health policy. 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 programme aims to provide graduates with a greater appreciation of the global interconnectedness of health problems and the range and depth of research methodology that can be used to work through these challenges. The M.Sc. Global Health course is particularly designed for practitioners, policy makers, health system planners, programme managers, analysts and health

researchers, who wish to understand the broader and interconnecting causes of many health problems from a global perspective as well as those who aspire to build a career in the global health arena.

### HEALTH INFORMATICS (M.Sc./P.Grad.Dip.)

#### COURSE CODES 617/616

(See entry via Diploma in the School of Computer Science and Statistics for details)

### HEALTH SERVICES MANAGEMENT (M.Sc.)

#### COURSE CODE 254

*Course Director:* Ms Eilish McAuliffe

*Course Co-ordinator:* Ms Mandy Lee

*Course Administrator:* Ms Donna Carter-Leay

*Duration:* Two years, part-time

*Closing Date:* 25 April 2008

*Telephone:* +353-1-896 2201/3986

*Fax:* +353-1-677 4956

*Email:* [hsmsec@tcd.ie](mailto:hsmsec@tcd.ie)

*Internet:*

[www.medicine.tcd.ie/health\\_policy\\_management/courses](http://www.medicine.tcd.ie/health_policy_management/courses)

Course details and application forms can be requested on +353-1-896 2201 or via [hsmsec@tcd.ie](mailto:hsmsec@tcd.ie).

Applications and required documentation should be submitted in their entirety to: Donna Carter-Leay, Course Administrator, Health Policy and Management, Trinity College Dublin, 3-4 Foster Place, Dublin 2.

This course prepares students for middle and senior management positions in the health services. It is intended for suitably qualified applicants currently working in positions with planning or management responsibility in health service organisations. The course is multidisciplinary and open to all professions.

Teaching is delivered through interactive sessions. Case studies, class discussion and online discussions facilitate the application of learning and ensure that the programme imparts a theoretical framework of understanding whilst maintaining a practical focus.

The programme offers a comprehensive coverage of subjects relevant to health services management. Modules include management and organisational behaviour; population health; financial management; health economics; human resources management; law; health policy; information management; comparative healthcare; marketing; ethics; strategic management (includes strategic planning, change management, quality management, risk management) and management research.

Applications will be considered from those with health service management experience. In addition, applicants should hold a good honors degree in a professional discipline or an equivalent qualification. Shortlisted applicants may be requested to attend for interview.



# health sciences

## MAMMALIAN CELL PHYSIOLOGY (M.Sc.)

### COURSE CODE 655

*Course Director:* Dr Veronica Campbell

*Duration:* One year, full-time

*Closing Date:* To be confirmed. Places strictly limited.

Applications should be addressed directly to Ms Dara O'Mahony, School of Research and Postgraduate Education, Trinity Centre for Health Sciences, St. James's Hospital, Dublin 8.

*Telephone:* +353-1-896 3556/3557

*Email:* gradapps.hs@tcd.ie

*Course Telephone:* +353-1-896 1192

*Course Email:* vacmpbl@tcd.ie

*Internet:* [www.medicine.tcd.ie/physiology/courses](http://www.medicine.tcd.ie/physiology/courses)

This course aims to provide a solid basis of understanding in physiological aspects of cell function together with practical experience in modern methodologies that are used for manipulation and monitoring of cell function. The course will suit those who wish to pursue a career in biomedical research and drug development. To be eligible for admission, candidates should normally possess a good degree in a life sciences discipline, medicine or pharmacy. Applications from chemists and engineers with an interest in biotechnology will also be considered.

The first half of the course consists of lectures, student-based seminars and workshops based on the following topics: signal transduction, neurobiology, physiological pharmacology, apoptosis, molecular physiology, data acquisition and analysis. Training is given in techniques used for manipulation and monitoring of cell function and in procedures used to record in vitro and in vivo responses of the respiratory, cardiovascular and gastrointestinal systems to pharmacological agents. At the end of this formal teaching period, students undertake a five-month

research project on some novel aspect of cell physiology, in consultation with an expert supervisor. Potential research areas include neurobiology, apoptosis, inflammation, neuro-immunology, pulmonary physiology, tissue engineering, muscle physiology and cell signalling. Students are assessed on the basis of their course performance, by written examinations related to principal components of the course and by a research dissertation of 25,000 words.

The course staff have strong research links with the Trinity College Institute of Neuroscience, the Trinity Centre for Bioengineering, and a Socrates exchange with the University of the Saarlandes, Germany.

## MEDICAL IMAGING (M.Sc.)

### COURSE CODE 713

*Course Co-ordinator:* Ms Bernadette Moran

*Duration:* One year following successful completion of Postgraduate Diploma as detailed below.

*Closing Date:* 31 July 2008. Applications should be addressed directly to Ms Dara O'Mahony, School of Research and Postgraduate Education, Trinity Centre for Health Sciences, St. James's Hospital, Dublin 8.

*Telephone:* +353-1-896 3556/3557

*Fax:* +353-1-809 2943

*Email for Application Forms:* gradapps.hs@tcd.ie

*Course Telephone:* +353-1-416 2200/01/02

*Course Email:* b Moran@stjames.ie

*Internet:* [www.tcd.ie/Clinical\\_Medicine/courses](http://www.tcd.ie/Clinical_Medicine/courses)

This course provides an opportunity for those candidates who have successfully completed either the Postgraduate Diploma in Nuclear Medicine or the Postgraduate Diploma in Magnetic Resonance Imaging Technology to carry out a substantial piece of research work and to present this in the form of a dissertation for the M.Sc. in Medical Imaging.



Admission is only via one of the Postgraduate Diploma courses named above and eligible candidates will either have achieved a distinction in their Postgraduate Diploma year or otherwise satisfied the Course Admission Committee that they have the ability to complete and benefit from the course. The course will incorporate a short taught component in the form of the common modules in Research Methodology, Statistics and Ethics.

### **MOLECULAR MEDICINE (M.Sc./P.Grad.Dip.)**

#### **COURSE CODE 532/533**

*Course Co-ordinators:* Dr Ross McManus, Prof. Mark Lawler, Dr Aideen Long, Dr Yuri Volkov

*Duration:* One year, full-time; two years, part-time

*Closing Date:* 11 May 2008 (late applications may be considered if places remain available after the closing date). Applications should be addressed directly to Ms Dara O'Mahony, School of Research and Postgraduate Education, Trinity Centre for Health Sciences, St. James's Hospital, Dublin 8.

*Telephone:* +353-1-896 3556/3557

*Email for Application Forms:* gradapps.hs@tcd.ie

*Course Telephone:* +353-1-896 2093

*Course Email:* molec.medic@tcd.ie

*Internet:* [www.gen.tcd.ie/molmed](http://www.gen.tcd.ie/molmed) or [www.bioinf.org/molmed](http://www.bioinf.org/molmed)

There is a separate entry on admission to the P.Grad.Dip. in Molecular Medicine below.

This course aims to give participants an in-depth understanding of the emerging field of molecular medicine, which draws together developments in molecular and cellular biology to describe disease processes at a functional level – that of molecular interactions.

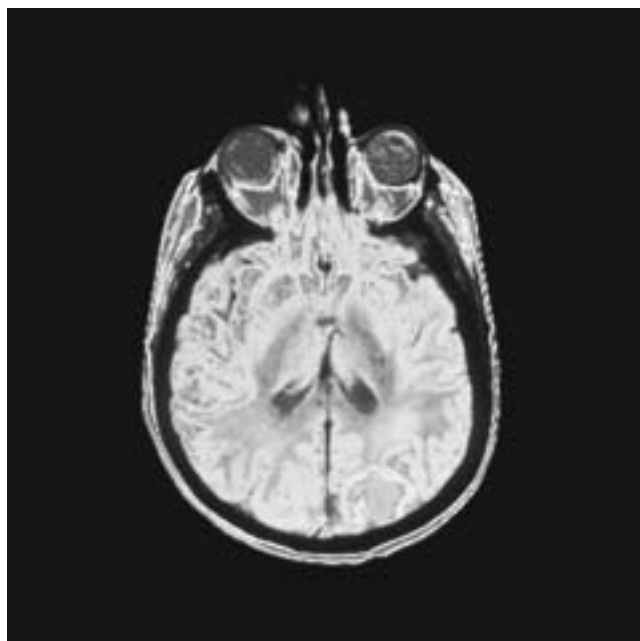
The course includes lectures on cellular biology and molecular genetics as they apply generally to normal cell and tissue function and to disease processes. Modules on molecular signalling and therapeutics, bioinformatics and ethical-legal aspects of the discipline are included, as well as literature reviews, laboratory practicals and a laboratory project.

The programme is offered in several formats: the molecular course and three enhanced courses – business, integrated nanoscience and high content cell screening and analysis. The business format allows students to undertake a number of business modules in conjunction with the Business, Economics and Social Sciences area. This aims to provide participants with an overview of important concepts pertinent to the life sciences, industries and innovation. In this format, three basic science modules (of seventeen) are replaced by business modules dealing with organisational management, strategic management and innovation. The integrated nanoscience course is taught in conjunction with a number of research and academic areas. It is aimed to provide students with an overview of basic nanotechnology principles, properties of nanomaterials and related physical and chemical techniques, as well as with the knowledge of advanced applications of nanoscience in research and therapeutic drug development. Similarly to the enhanced business format, two basic science modules in this course are replaced by modules dealing with nanoscience and nanotechnology in molecular medicine. The complexity of contemporary experimental tasks pursued by the biomedical scientists has recently boosted the development of high content screening and analysis technologies. They enable the researcher to monitor and analyse multiple molecular targets in individual cells and populations at sub-cellular resolution level in high throughput detection systems. Two of these, hosted by Trinity College Institute of

# health sciences

Molecular Medicine (Cellomics Kineticscan workstation and GE Healthcare In Cell Analyser), provide a unique facility among the academic institutions in Europe. Students willing to strengthen their fundamental knowledge of molecular medicine with these powerful cutting edge techniques are given an opportunity to choose three focused optional modules, taught with participation of the scientists from leading international research and technology developing companies specialising in the area.

The student is examined on the basis of a submitted critical literature review essay, a written examination, assessment of laboratory practicals and the writing of a dissertation based on a research project. Candidates from health science (medical, dental, veterinary), biological science and other science disciplines (e.g. chemical or pharmacy), are invited to apply. The course is normally available as a one-year full-time course and is available as a part-time option in exceptional circumstances only.



152

## **MOLECULAR PATHOLOGY (M.Sc.) (with Dublin Institute of Technology)**

### **COURSE CODE 556/557**

*Course Co-ordinators:* Dr Frederick Falkiner (TCD),  
Dr Jacinta Kelly (DIT)

*Duration:* Two years, part-time

*Closing Date:* 30 April 2008. Applications should be addressed directly to Ms Dara O'Mahony, School of Research and Postgraduate Education, Trinity Centre for Health Sciences, St. James's Hospital, Dublin 8.

*Telephone:* +353-1-896 3556/3557

*Email:* [gradapps.hs@tcd.ie](mailto:gradapps.hs@tcd.ie)

*Internet:* [www.medicine.tcd.ie/clinical\\_microbiology/courses/postgrad.php](http://www.medicine.tcd.ie/clinical_microbiology/courses/postgrad.php)

The aim of this course, run jointly with Dublin Institute of Technology in Kevin Street, is to provide postgraduate education in medical laboratory science for those wishing to pursue a career in this field. It provides an advanced programme in the molecular basis of disease including the etiology, pathogenesis and investigation of the disease process. I.T. and management as applied to Medical Laboratories are also covered. Students develop research skills by partaking in an advanced practical project in their chosen area of specialisation.

The course is available on a block-release basis and on a full-time basis. Applicants must hold at least a second-class honors degree in Biomedical Science or equivalent, or have passed the Part I Fellowship examination of the Institute of Biomedical Science or the Fellowship examinations of the Institute of Biomedical Science. Candidates applying for the part-time course must be employed in an appropriate post in either an approved medical or veterinary laboratory. Applicants may be interviewed.

**NEUROSCIENCE (M.Sc.)****COURSE CODE 746**

*Course Director:* Dr Thomas Connor

*Duration:* One year, full-time

*Closing Date:* 30 June 2008. Applications should be addressed directly to Ms Dara O'Mahony, School of Research and Postgraduate Education, Trinity Centre for Health Sciences, St. James's Hospital, Dublin 8.

*Telephone:* +353-1-896 3556/3557

*Email for Application Forms:* gradapps.hs@tcd.ie

*Course Telephone:* +353-1-896-8575

*Course Email:* mscneuro@tcd.ie

*Internet:* [www.neuroscience.tcd.ie/study/msc.php](http://www.neuroscience.tcd.ie/study/msc.php)

This M.Sc. course in Neuroscience includes study of the nature and functioning of the nervous system at all levels, from the molecules that make up individual nerve cells, to the complexities of human/animal behaviour. In addition, a major focus of the course is on the biological basis and treatment of psychiatric and neurological disorders. From a practical perspective the course involves in-depth instruction in modern methodologies used in neuroscience/ biomedical research, including the fundamentals of molecular and cellular biology. Students will also be trained in experimental design, data handling and basic research skills. The M.Sc. programme aims to provide students with a well-balanced and integrated theoretical and practical knowledge of neuroscience, and to highlight the progress and intellectual challenges in this discipline.

Applicants will normally be required to hold at least a second-class honors degree in Biological Sciences, Psychology, Medicine or other disciplines within the Health Sciences.

The following modules are mandatory, and make up the taught component of the course: Form and Function of the Nervous System, Biochemical Basis of Neuropharmacology,

Neuropharmacology & Drug Development, Neuroimaging Technology, Advanced Neuroimmunology, Current Topics & Techniques in Neuroscience, Experimental Neuroscience, Research Skills.

In addition, students will be required to submit a dissertation based on an empirical research project conducted in one of the many neuroscience groups located within or affiliated to Trinity College Institute of Neuroscience ([www.tcd.ie/neuroscience](http://www.tcd.ie/neuroscience)).

**OCCUPATIONAL THERAPY (M.Sc.)****COURSE CODE 618**

*Course Director:* Ms Clodagh Nolan

*Duration:* Two years, part-time

*Closing Date:* 30 July 2008. Places strictly limited.

Applications should be addressed directly to Ms Dara O'Mahony, School of Research and Postgraduate Education, Trinity Centre for Health Sciences, St. James's Hospital, Dublin 8.

*Telephone:* +353-1-896 3556/3557

*Fax:* +353-1-454 6363

*Email:* gradapps.hs@tcd.ie

*Course Telephone:* +353-1-896 3218

*Internet:* [www.medicine.tcd.ie/occupational\\_therapy/courses/postgrad.php](http://www.medicine.tcd.ie/occupational_therapy/courses/postgrad.php)

The main aim of this course is to advance the link between the theory and practice of occupational therapy and to promote reflective practice and improve research skills. The first year of the course includes the following three compulsory modules: (a) research methods and statistics; (b) occupational therapy theory and evidence for practice; (c) independent learning unit. Other modules may include (a) health psychology; (b) neuropsychology; (c) social policy; (d) medico-legal issues; (e) ethics in research. The second

# health sciences

year of the course is largely devoted to the dissertation (30,000 words), which is supervised by a member of the staff. Students in the first year of the course are assessed by assignments and project work set by the tutors of the various modules within the course.

Candidates for this course must be occupational therapists that hold either a recognised degree or diploma in Occupational Therapy.

## PAEDIATRICS (M.Sc.)

### COURSE CODE 264

*Course Director:* Dr Edna Roche

*Duration:* One year, full-time

*Closing Date:* To be confirmed

This course provides higher clinical training in Paediatrics with a focus on clinical examination. It also equips participants with management skills and research opportunities. The course is ideally suited to those wishing to pursue a specialist career in paediatrics and to those doctors in related specialities who have significant paediatric involvement. It is a full-time taught programme with a modular format, and is assessed by two three-hour written papers, clinical assessment and dissertation.

Candidates for admission require a medical degree, M.B., B.Ch., B.A.O., or equivalent qualification from another university. Candidates will normally have been in paediatric training in an approved institution or have passed the Membership of the Royal College of Physicians Part II examination or have equivalent experience. For those in related specialities, in addition to a medical qualification, a Diploma in Child Health or Membership of the Faculty of Public Health Medicine or experience deemed equivalent will be required.

## PHARMACEUTICAL MEDICINE (M.Sc./P.Grad.Dip.)

### COURSE CODE 708/707

*Course Director:* Dr Mary Teeling

*Course Co-ordinator:* Dr Mary Jo MacAvin

*Duration:* Two years, part-time

*Closing Date:* 30 June each year. Applications should be addressed directly to Ms Dara O'Mahony, School of Research and Postgraduate Education, Trinity Centre for Health Sciences, St. James's Hospital, Dublin 8.

*Telephone:* +353-1-896 3556/3557

*Fax:* +353-1-473 0596

*Email for Application Forms:* gradapps.hs@tcd.ie

*Course Telephone:* +353-1-410 3671

*Course Email:* teelingm@tcd.ie or cact@stjames.ie

*Internet:* [www.medicine.tcd.ie/pharmacology\\_therapeutics/courses/postgrad.php](http://www.medicine.tcd.ie/pharmacology_therapeutics/courses/postgrad.php)

There is a separate entry on admission to the P.Grad.Dip. in Pharmaceutical Medicine below.

This M.Sc. course is administered by Pharmacology and Therapeutics, in association with the Centre for Advanced Clinical Therapeutics, St James's Hospital, Dublin. It has been developed to provide medical and science graduates with specialist knowledge and skills in the area of clinical pharmacology and pharmaceutical medicine. In-take is on an annual basis.

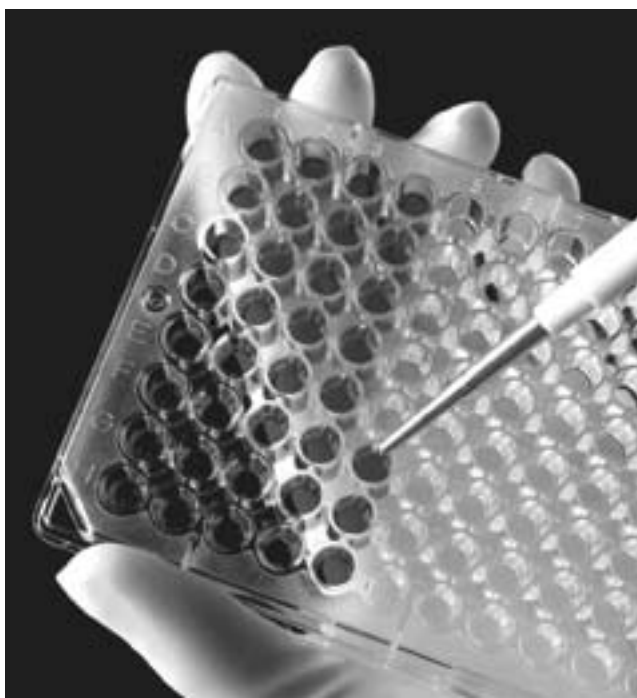
Components of the course include principles of:

- Pharmacology and biostatistics
- New drug development and the regulatory environment
- Pharmacoeconomics and rational use of drugs
- Pharmacovigilance and drug information

The course involves completion of taught modules and the additional undertaking of a research project. The modules consist of formal teaching and personal assignments and are run over five terms on a part-time basis (approximately two modules per term). Some of the modules are undertaken by way of distance learning. In addition, the students are assigned a research project (including field work), to be submitted as a dissertation for the degree of M.Sc. only.

Students are assessed by way of continuous assessment and are required to pass written and oral examinations at the end of their course. In addition, they are required to submit a written dissertation on their research project (with the possibility of an oral examination) by the end of the second year of the course.

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. The course will be run in the William Stokes Postgraduate Centre, Trinity College Health Sciences Building, St. James's Hospital, Dublin 8.



## PHYSICAL SCIENCES IN MEDICINE (M.Sc./P.Grad.Dip.)

### COURSE CODES 562/563/650

*Course Director:* Dr Neil O'Hare

*Duration:* One year, full-time; two years, part-time

*Credit Value:* M.Sc.: 90 ECTS; P.Grad.Dip.: 60 ECTS

*Closing Date:* 31 July 2008 (Late applications may be accepted depending on availability of places). Applications should be addressed directly to Ms Dara O'Mahony, School of Research and Postgraduate Education, Trinity Centre for Health Sciences, St. James's Hospital, Dublin 8.

*Telephone:* +353-1-896 3556/3557

*Fax:* +353-1-410 3487/3478

*Email for Application Forms:* gradapps.hs@tcd.ie

*Course Telephone:* +353-1-416 2769/2645/2648

*Course Email:* nohare@stjames.ie

*Internet:* [www.medicine.tcd.ie/clinical\\_medicine/courses/postgrad.php](http://www.medicine.tcd.ie/clinical_medicine/courses/postgrad.php)

This course offers the academic training required for a career in scientific support of medical procedures and technology. The course is coordinated through the Medical Physics Departments in St. James's Hospital and St. Luke's Hospital, Dublin.

Students enter via the M.Sc. register. This course covers areas frequently known as Medical Physics and Clinical Engineering. It is designed for students who have a good honors degree in one of the Physical Sciences (physics, electronic or mechanical engineering, computer science, mathematics) and builds on this knowledge to present the academic foundation for the application of the Physical Sciences in Medicine.

# health sciences

The course will be delivered as lectures, demonstrations, seminars, practicals and workshops. All students must take the Core Modules. Upon completion of this, the student will then take 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 and therefore all three tracks may not run each year.

## Core Modules

- Introduction to Radiation Protection & Radiation Physics (5 ECTS)
- Imaging Physics & Technology (5 ECTS)
- Introduction to Radiotherapy and Non-Ionising Imaging (5 ECTS)
- Basic Medical Sciences (5 ECTS)
- Introduction to Research Methodology and Safety (5 ECTS)
- Medical Technology and Information Systems (5 ECTS)
- Seminars (5 ECTS)

## Specialisation Track Modules (Diagnostic Radiology)

- Radiation Physics and Dosimetry (5 ECTS)
- Medical Informatics and Image Processing (5 ECTS)
- Ionising and Non-Ionising Radiation Protection (5 ECTS)
- Imaging Physics and Technology 2 (10 ECTS)

## Specialisation Track Modules (Radiation Therapy)

- Radiation Physics and Dosimetry (5 ECTS)
- Principles and Applications of Clinical Radiobiology (5 ECTS)
- External Beam Radiotherapy (10 ECTS)
- Brachytherapy and Unsealed Source Radiotherapy (5 ECTS)

## Specialisation Track Modules (Clinical Engineering)

- The Human Medical Device Interface (5 ECTS)
- Principle and Practice of Medical Technology Design, Prototyping & Testing (5 ECTS)
- Medical Technology 1: Critical Care (5 ECTS)
- Medical Technology 2: Interventions, Therapeutics & Diagnostics (5 ECTS)
- Medical Informatics and Equipment Management (5 ECTS)

## Project Work and Dissertation (30 ECTS)

In parallel with the taught components, the students will engage in original research and report their findings in a dissertation. A pass mark in the assessment components of all three required sections (Core Modules, 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, an exit Postgraduate Diploma in Physical Sciences in Medicine will be awarded. Subject areas include

- Radiation Protection and Radiation Physics
- Imaging Physics and Technology
- Basic Medical Sciences
- Medical Technology Design, Prototyping and Testing
- Medical Informatics
- Image Processing
- External Beam Radiotherapy
- Brachytherapy and Unsealed Source Radiotherapy
- The Human-Medical Device Interface



The course presents the core of knowledge for the application of the Physical Sciences in Medicine; demonstrates practical implementations of physics and engineering in clinical practice, and develops practical skills in selected areas. It also engages students in original research in the field of Medical Physics / Engineering. The course is designed to be a one year full-time course but is timetabled to facilitate students who want to engage over a two year part-time process.

### PSYCHOANALYTIC PSYCHOTHERAPY (M.Sc.)

#### COURSE CODE 620

*Course Co-ordinator:* Ms Julie A Carmody

*Duration:* Three years, currently part-time (in-take every three years)

*Closing Date:* 28 March 2008 (applications will be received from 3 December 2007)

*Telephone:* +353-1-896 3556/3557

*Email for Application Forms:* gradapps.hs@tcd.ie

*Course Telephone:* +353-1-610 9474

*Course Email:* julie010@gofree.indigo.ie

*Internet:* [www.medicine.tcd.ie/psychiatry/courses/postgraduate/psychoanalytic\\_psychotherapy](http://www.medicine.tcd.ie/psychiatry/courses/postgraduate/psychoanalytic_psychotherapy)

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. It provides a structured and comprehensive postgraduate training in the practice of psychoanalytic psychotherapy with adults. The aim of the programme is to provide a thorough training in psychoanalytic theory, while strongly emphasising the aspect of clinical training with adults.

Applications are invited from candidates who are graduates of recognised university courses, with a 1st or 2nd class honors degree. In certain circumstances, applications may be considered on the basis of professional experience and/or qualification.

The course extends over three years. The formal teaching schedule takes place on one evening and one full day per week during the academic year. The course components include:

Lectures and seminars on psychoanalytic theory, clinical practice and developmental theory; Psychopathology, Psychiatry and related subjects; Infant Observation; Group Experience; Personal Therapy; Supervised Clinical Work

Academic Assessment will be based on a dissertation of 12,000-15,000 words; a final written examination; an oral examination; and Term Essays and an Infant Observation paper.

Clinical work is assessed on a continuous basis, and students must be deemed satisfactory by their clinical supervisor. Progress through the course is conditional on a yearly assessment. Students who progress to the required level in all course components are eligible for the award of M.Sc. in Psychoanalytic Psychotherapy.

This M.Sc. is a three year part-time course and has an in-take every three years. The next course will begin in October 2008. Applications will be received from 3 December 2007. Closing date for applications is given above.

# health sciences

## SPORTS AND EXERCISE MEDICINE (M.Sc.)

### COURSE CODE 208

*Course Directors:* Dr Nicholas Mahony, Mr Bernard Donne

*Duration:* One year, full-time

*Closing Date:* 30 May 2008. Applications should be addressed directly to Ms Dara O'Mahony, School of Research and Postgraduate Education, Trinity Centre for Health Sciences, St. James's Hospital, Dublin 8.

*Telephone:* +353-1-896 3556/3557

*Fax:* +353-1-679 0119

*Email for Application Forms:* gradapps.hs@tcd.ie

*Course Telephone:* +353-1-896 1182

*Course Email:* anatomy@tcd.ie

*Internet:* [www.medicine.tcd.ie/anatomy/courses/msc\\_sportsandexercisemed.php](http://www.medicine.tcd.ie/anatomy/courses/msc_sportsandexercisemed.php)

The course includes lectures, practical and clinical work. It aims to present a scientific basis for the study of all aspects of sports and exercise medicine; to outline a comprehensive programme for injury prevention and treatment; to define guidelines for the scientific monitoring and training of athletes; to enable participants to prescribe training advice for different age groups; and to expose participants to a wide range of specialities relevant to sport and exercise.

A M.Sc. degree is awarded following the passing of written, oral and clinical examinations and the acceptance of a dissertation based on practical research work. Marks are allocated on the basis of 60% continuous assessment and end of year written examinations, and 40% dissertation.

Those eligible to apply for this course will be well-qualified medical graduates, chartered physiotherapists (upper second-class honors degree or higher), with minimum one-year post qualification experience and sports therapists (1st class honors [by interview]). Preference is given to applicants with a strong sporting background (personal involvement or recognised service provision).

## 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 listed 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.

## CLINICAL ENGINEERING (EQUIPMENT MANAGEMENT) (P.Grad.Dip.)

### COURSE CODE 632

*Course Co-ordinator:* Mr Fran Hegarty

*Duration:* One year, part-time

*Closing Date:* 30 June 2008. Two references are required upon application; one from the last academic institution attended and one from the place of employment supporting the applicant in this study. Applications should be addressed directly to Ms Dara O'Mahony, School of Research and Postgraduate Education, Trinity Centre for Health Sciences, St. James's Hospital, Dublin 8.

*Telephone:* +353-1-896 3556/3557

*Email for Application Forms:* gradapps.hs@tcd.ie

*Course Telephone:* +353-1-416 2246

*Course Email:* fhgarty@stjames.ie

This Postgraduate Diploma in Clinical Engineering (Equipment Management) is concerned with the training and education of scientists, engineers and technicians who will provide clinical engineering/equipment management services to hospitals, either through direct employment or employment in companies offering their services to hospitals. It avails of the framework of the Haughton Institute to facilitate a rich mixture of in-service elements with a well-developed academic basis.

The programme focuses on the vocational needs of those who intend to follow a career in clinical engineering/equipment management and is offered by Health Sciences, with support from Engineering and Systems Science.

## COGNITIVE PSYCHOTHERAPY (P.Grad.Dip.)

### COURSE CODE 756

*Course Director:* Dr Brian Fitzmaurice

*Duration:* One year, part-time

*Closing Date:* 30 April 2008. Applications should be sent to Ms Dara O'Mahony, School of Research and Postgraduate Education, Trinity Centre for Health Sciences, St James's Hospital, James Street, Dublin 8.

*Telephone:* +353-1-896 3556

*Email for Application Forms:* gradapps.hs@tcd.ie

*Course Telephone:* +353-1-249 3607 / 896 2465

*Course Email:* cbtadmin@tcd.ie

*Internet:* [www.medicine.tcd.ie/psychiatry/courses/postgraduate/cognitive\\_psychotherapy](http://www.medicine.tcd.ie/psychiatry/courses/postgraduate/cognitive_psychotherapy)

Please direct all queries to TCD Cognitive Psychotherapy Course, St Patrick's Hospital, Dublin 8.

Cognitive therapy is a collaborative, structured approach to helping individuals with psychological difficulties. It views key beliefs and assumptions which an individual holds as being pivotal to maintaining their distress and rendering them vulnerable to recurring difficulties. The course offers post-qualification training in the theory and practice of cognitive psychotherapy, as applied in a variety of mental health settings. Competence is developed through a combination of weekly clinical supervision, lectures, workshops and written assignments. Assessment is based on the submission of case studies and theoretical reviews, oral presentations and standardised rating of therapy sessions. Prospective candidates may pursue the option of

a one year part-time (every Friday over three 12-week terms) postgraduate diploma course in cognitive therapy. Emphasis will be on helping participants gain clinical competence in utilising this approach in hospital-based and community-based health care settings. The course substantially contributes to academic and theoretical requirements for accreditation as a cognitive therapist and provides the opportunity to engage in introductory supervised clinical casework. Students would be required to complete further supervised clinical work to meet the clinical requirements for accreditation. For further information on accreditation as a cognitive therapist we recommend prospective students consult the BABCP website: [www.babcp.com](http://www.babcp.com).

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 currently employed in a healthcare setting and providing counselling or psychotherapy as part of their work, and;
- have achieved a recognised third level qualification in a mental health profession (e.g. psychology, nursing, social work, medicine), and;
- have relevant clinical experience and/or evidence of recognised foundation training in counselling/psychotherapy, and;
- have two years postgraduate experience.

The 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

# health sciences

individual treatment programmes for a range of emotional disorders, and evaluating their effects; understanding the links between cognitive therapy and developmental and cognitive psychology; ethics issues in practising psychotherapy.

Students are supervised treating a minimum of three cases (approx 40 – 50 hours of casework), and are taught the use of Cognitive Psychotherapy in relation to a variety of different areas and disorders. Teaching takes place one full day per week (Friday) during academic term. Assessment is based on evaluation of the student's clinical performance using the Cognitive Therapy Scale - Revised and four written assignments.

Students who satisfy all the requirements of the Postgraduate Diploma course will be awarded the Postgraduate Diploma in Cognitive Psychotherapy.



## EXERCISE PHYSIOLOGY (P.Grad.Dip./M.Sc.)

### COURSE CODES 600/253

*Course Director:* Dr Stuart Warmington

*Duration:* P.Grad.Dip.: one year, part-time;

M.Sc.: two years, part-time

*Closing Date:* 30 April 2008, places strictly limited.

Applications should be addressed directly to Ms Dara O'Mahony, School of Research and Postgraduate Education, Trinity Centre for Health Sciences, St. James's Hospital, Dublin 8.

*Telephone:* +353-1-896 3556/3557

*Fax:* +353-1-679 3545

Email for Application Forms: [gradapps.hs@tcd.ie](mailto:gradapps.hs@tcd.ie)

Further information can also be obtained by contacting the Physiology Department

*Course Telephone:* +353-1-896 2723

*Course Email:* [physiol@tcd.ie](mailto:physiol@tcd.ie)

*Internet:* [www.medicine.tcd.ie/physiology/courses/exercise\\_physiology.php](http://www.medicine.tcd.ie/physiology/courses/exercise_physiology.php)

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. Applicants are expected to hold a good primary degree with some grounding in biology. Preference may be given to candidates who are employed in a relevant field. There is an initial common year of taught courses for both Postgraduate Diploma and Masters programmes, representing around 260 contact hours over the year. As far as possible courses are programmed to take place on only two days per week (Mondays and Fridays).

In the first year, students are continuously assessed on laboratory and project work and sit two final written examination papers during May with a viva voce examination following completion of all examinations to conclude the assessment process. A quota of the highest ranked students who have received an honors grading in the first year may elect to undertake a second research-based year to achieve a M.Sc. This research is expected to involve a commitment of around 300 hours over the year and assessment is a dissertation of approximately 20,000 words. Students who elect to be awarded the Postgraduate Diploma may not subsequently enrol for the M.Sc. Current taught course timetables and assessment procedures, together with information on course content and career paths of previous graduates, may be viewed on [www.medicine.tcd.ie/physiology/courses/exercise\\_physiology.php](http://www.medicine.tcd.ie/physiology/courses/exercise_physiology.php)

## GYNAECOLOGY AND OBSTETRICS (P.Grad.Dip.)

### COURSE CODE 126

*Course Director:* Dr Ronan Patrick Gleeson

*Duration:* Six months, full-time

*Closing Date:* 31 December for admission in the following October, limited places available. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 2190

*Email:* [vashe@tcd.ie](mailto:vashe@tcd.ie)

*Internet:* [www.medicine.tcd.ie/obstetrics\\_gynaecology//courses](http://www.medicine.tcd.ie/obstetrics_gynaecology//courses)

The Postgraduate Diploma in Gynaecology and Obstetrics is an internationally recognised specialists qualification, known as the DGO. It has been awarded by Trinity College for over 80 years. The course is based in the Rotunda Hospital and begins on 1st October each year.

The course provides up-to-date information on clinical management in obstetrics and gynaecology and scientific knowledge on female health care. It combines clinical and theoretical instruction in obstetrics, gynaecology, neo-natal paediatrics, anatomy of the female pelvis, embryology, physiology of reproduction and obstetric and gynaecological pathology. Examination takes place at the end of March.

Applications for admission are invited from medical practitioners who have completed at least one year in the speciality of Obstetrics and Gynaecology. Preference is given to applicants from developing countries who have not previously had the opportunity of external postgraduate study or experience.

## HEALTH INFORMATICS (P.Grad.Dip./M.Sc.)

### COURSE CODES 616/617

For further information, see Diploma entry in the School of Computer Science and Statistics.



# health sciences

## MAGNETIC RESONANCE IMAGING TECHNOLOGY (P.Grad.Dip.)

### COURSE CODE 644

*Course Co-ordinator:* Ms Bernadette Moran

*Duration:* One year, part-time (Fridays)

*Closing Date:* 31 July 2008. Two references are required upon application. Applications should be addressed directly to Ms Dara O'Mahony, School of Research and Postgraduate Education, Trinity Centre for Health Sciences, St. James's Hospital, Dublin 8.

*Telephone:* +353-1-896 3556/3557

*Fax:* +353-1-809 2943

*Email for Application Forms:* [gradapps.hs@tcd.ie](mailto:gradapps.hs@tcd.ie)

*Course Telephone:* +353-1-416 2200/01/02

*Course Email:* [bmoran@stjames.ie](mailto:bmoran@stjames.ie)

*Internet:* [www.medicine.tcd.ie/clinical\\_medicine/courses/postgrad.php](http://www.medicine.tcd.ie/clinical_medicine/courses/postgrad.php)

This course is aimed at qualified radiographers and it is intended to provide a general education in the practice of magnetic resonance imaging. It is designed to give a solid academic basis in the understanding of imaging theory and a high level of practical experience in MRI techniques and in safe use of imaging and associated equipment.

The course incorporates both taught and practical components, with the taught component forming a substantial part of the course. Practical clinical experience is gained either in the candidate's own department or via a clinical placement.

To be eligible for consideration applicants must have a degree in Radiography or the Diploma of College of Radiographers (London) in Diagnostic or Therapeutic Radiography, or hold professional qualifications obtained by examination which are recognised to be equivalent to those set out above or otherwise satisfy the Dean of Graduate Studies and Course Admissions Committee that they have the ability to complete and benefit from the course.

An associated M.Sc. in Medical Imaging is available to candidates who have achieved distinction in the postgraduate diploma year or who otherwise satisfy the course committee. Students who are interested in this option forego the award of the diploma and proceed to perform research on a chosen topic to be presented as a dissertation for examination for the degree of M.Sc.

## MOLECULAR MEDICINE (P.Grad.Dip/M.Sc.)

### COURSE CODE 725/532-533

*Course Co-ordinators:* Dr Ross McManus, Prof. Mark Lawler, Dr Aideen Long, Dr Henry Windle and Dr Yuri Volkov.

*Duration:* One year, part-time

*Closing Date:* 11 May 2008 (late applications may be considered if places remain available after the closing date).

Applications should be addressed directly to Ms Dara O'Mahony, School of Research and Postgraduate Education, Trinity Centre for Health Sciences, St. James's Hospital, Dublin 8.

*Telephone:* +353-1-896 3556/3557

*Email for Application Forms:* [gradapps.hs@tcd.ie](mailto:gradapps.hs@tcd.ie)

*Course Telephone:* +353-1-896 3157

*Course Email:* [molec.medic@tcd.ie](mailto:molec.medic@tcd.ie)

*Internet:* [www.gen.tcd.ie/molmed](http://www.gen.tcd.ie/molmed) or [www.bioinf.org/molmed](http://www.bioinf.org/molmed)

This programme aims to provide participants with an in-depth understanding of the emerging field of molecular medicine, which draws together developments in molecular and cellular biology to describe disease processes at a functional level – that is, at the level of molecular interactions. The Diploma in Molecular Medicine is designed to make available a high quality course to those individuals who cannot avail of a full-time programme, due to the high demands it makes on a candidate's time. The diploma may therefore be an attractive option for, among others, people working in business, clinical industry,



or other disciplines, who wish to gain a comprehensive knowledge in this area with a view to progressing professionally, or going on to do a higher degree.

This programme provides participants with the skills necessary to critically evaluate the literature and understand the central concepts of molecular medicine, such as the molecular basis of human disease and its implications for the practice of clinical medicine and research in the life sciences. The course includes lectures on cellular biology and molecular genetics as they apply generally to normal cell and tissue function and to disease processes. Advanced modules cover topics such as molecular oncology, signalling, development and therapeutics, immunology and infectious agents among others. A selection of modules on issues such as bioinformatics, research methodology, statistics and ethical-legal aspects of the discipline may be undertaken on an optional basis.

Students choose a minimum of 10 units totalling a minimum of one hundred contact hours teaching. Students are also required to complete a written review of a relevant part of the literature. Students are examined on the basis of the submitted critical literature review essay, and written examinations of the modules taken. Examinations are undertaken at the end of each term.

Candidates should normally have a minimum of a 2.1 honors degree or equivalent in a biological science; a clinical science such as medicine, dentistry or veterinary; a pharmaceutical science such as pharmacy, or related area. However, individuals with other appropriate 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.

## NUCLEAR MEDICINE (P.Grad.Dip.)

### COURSE CODE 261

*Course Director:* Dr Patrick Freyne

*Course Co-ordinator:* Ms Bernadette Moran

*Duration:* One year, full-time

*Closing Date:* 31 July 2008. Two references are required upon application. Applications should be addressed directly to Ms Dara O'Mahony, School of Research and Postgraduate Education, Trinity Centre for Health Sciences, St. James's Hospital, Dublin 8.

*Telephone:* +353-1-896 3556/3557

*Email for Application Forms:* [gradapps.hs@tcd.ie](mailto:gradapps.hs@tcd.ie)

*Course Email:* [bmoran@stjames.ie](mailto:bmoran@stjames.ie)

*Internet:* [www.medicine.tcd.ie/clinical\\_medicine/courses/postgrad.php](http://www.medicine.tcd.ie/clinical_medicine/courses/postgrad.php)

The course is designed to train qualified radiographers in the practice of nuclear medicine imaging and to provide patients and healthcare services with an ongoing source of excellence in this specialty. The course curriculum is developed to ensure that students attain an appropriate level of knowledge and experience in the following areas of nuclear medicine imaging: (a) academic and theoretical knowledge, (b) clinical and practical experience and (c) organisational and management experience. The radiographer would thus be able to adapt and change as knowledge inevitably develops in this progressing field.

The Diploma course incorporates both taught and practical components with the taught component forming a substantial part of the course.

An associated M.Sc. in Medical Imaging is available to candidates who have achieved distinction in the postgraduate diploma year or who otherwise satisfy the course committee. Students who are interested in this option forego the award of the diploma and proceed to perform research on a chosen topic to be presented as a dissertation for examination for the degree of M.Sc.

# health sciences

## PHARMACEUTICAL MEDICINE (P.Grad.Dip.)

### COURSE CODE 707

*Course Director:* Dr Mary Teeling

*Course Co-ordinator:* Dr Mary Jo MacAvin

*Duration:* 18 months, part-time

*Closing Date:* 30 June each year. Applications should be addressed directly to Ms Dara O'Mahony, School of Research and Postgraduate Education, Trinity Centre for Health Sciences, St. James's Hospital, Dublin 8.

*Telephone:* +353-1-896 3556/3557

*Fax:* +353-1-473 0596

*Email for Application Forms:* [gradapps.hs@tcd.ie](mailto:gradapps.hs@tcd.ie)

*Course Telephone:* +353-1-410 3671

*Course Email:* [teelingm@tcd.ie](mailto:teelingm@tcd.ie) or [cact@stjames.ie](mailto:cact@stjames.ie)

*Internet:* [www.medicine.tcd.ie/pharmacology\\_therapeutics/courses/postgrad.php](http://www.medicine.tcd.ie/pharmacology_therapeutics/courses/postgrad.php)

There is a separate entry on admission to the M.Sc. in Pharmaceutical Medicine above. This course is administered by Pharmacology and Therapeutics, in association with the Centre for Advanced Clinical Therapeutics, St James's Hospital, Dublin. It has been developed to provide medical graduates with specialist knowledge and skills in the area of clinical pharmacology and pharmaceutical medicine. In-take is on an annual basis. Components of the course include principles of:

- Pharmacology and biostatistics
- New drug development and the regulatory environment
- Pharmacoeconomics and rational use of drugs
- Pharmacovigilance and drug information

The course has a modular format and runs over five terms on a part-time basis (approximately two modules per term). The course consists of formal teaching and personal assignments. Some of the modules are undertaken by

way of distance learning. Students are assessed by way of continuous assessment and are required to pass written and oral examinations at the end of their course.

Prospective students for the postgraduate diploma must hold a primary degree in medicine and should have a minimum of two years' general medicine experience post-registration. Ideally, candidates should have practical experience in pharmaceutical medicine (via employment in the pharmaceutical industry/contract research organisation, regulatory authority or academia). The course will be run in the William Stokes Postgraduate Centre, Trinity College Health Sciences Building, St. James's Hospital, Dublin 8.



## School of Nursing and Midwifery

*Head of School:* Professor Cecily Begley

*Director of Teaching and Learning (Postgraduate):*  
Ms Honor Nicholl

*Telephone:* +353-1-896 2692

*Fax:* +353-1-896 3001

*Email:* [nursing.midwifery@tcd.ie](mailto:nursing.midwifery@tcd.ie)

*Internet:* [www.nursing-midwifery.tcd.ie](http://www.nursing-midwifery.tcd.ie)

The School of Nursing and Midwifery was established in 1996 at a time of great change in nursing education in Ireland. Subsequently a rapid expansion followed to a point where postgraduate programmes are offered in almost all branches of nursing and midwifery. The School has a definite research profile and has formed many national and international links.

There is a M.Sc. suite of programmes including the taught M.Sc. programmes in Nursing, Midwifery, Gerontological Nursing, Mental Health and Palliative Care. There are additional options on the M.Sc. in Nursing such as the Clinical Health Sciences Education and Advanced Nurse Practitioner strands, and a Clinical Health Sciences Education option on the M.Sc. in Midwifery. All taught M.Sc. courses have an exit option at Postgraduate Diploma level after successful completion of year one of the M.Sc.

2007 has also seen the start of a new M.Sc. course in Palliative Care. The M.Sc. in Mental Health (run in conjunction with the Central Mental Hospital) and the M.Sc. in Palliative Care (run in conjunction with St Francis Hospice) are multidisciplinary courses aimed at students working in related professions.

Postgraduate Diploma programmes are also offered, in partnership with various hospitals, in the following disciplines: Oncological Nursing and Specialist Nursing. A Higher Diploma in Children's Nursing is also offered in conjunction with the National Children's Hospital and a Higher Diploma in Midwifery is offered in conjunction with The Rotunda Hospital, Dublin and The Coombe Women's Hospital, Dublin. Clinical skills laboratories are accommodated in the Trinity College campus, at St. James's Hospital and Tallaght Hospital.

### RESEARCH PROGRAMMES

The School has a growing record of attracting research funding in various health care areas. Research interest groups are working in collaboration with international experts in the areas of cardiovascular, oncology-palliative care, child health care, midwifery-led care, generic and intellectual disability, autism, health care management, mental illness and adult education issues. This work has created opportunities for full-time research posts.

In addition to the research interest groups, the research interests of the staff include the physiology of childbirth, cardiac rehabilitation, midwifery student education, self-esteem and assertiveness in nursing and midwifery students, adverse incidences affecting older people, ageing among people with intellectual disability, clinicians' experiences of breaking bad news, palliative care, leadership effectiveness in nursing, quality in education, sociology of development, sociology of health, sociology of medical knowledge and medical technologies, gender and health (especially men's health), gender and reproductive healthcare, curriculum evaluation, assessment strategies for clinical competence, quality indicators in education, the effect of cold on brown adipose tissue metabolism, fitness testing for athletes, spirituality in nursing care, relationships between student and research supervisor at Masters level,

# health sciences

the long-term psychosocial effects of a diagnosis of cancer on the child and family, and the sociology of mental illness and mental health in Ireland.

In partnership with Queen's University Belfast, staff have assisted the School of Nursing in Jordan University of Science and Technology to develop two existing M.Sc. programmes and to institute a third. This work is funded by an EU TEMPUS grant. Staff are also working with universities in five countries including Charles and Pardubice Universities in the Czech Republic, Turku and Stadia Polytechnics in Finland, Murcia University in Spain, and Dundee and Paisley Universities in Scotland on a study investigating the development of ethical reasoning in student nurses as a care skill. The School has also been granted support by the Leonardo Da Vinci Programme for an exchange project aiming at exploring educational issues relating to the training of professionals to care for people with intellectual disability with Akershus University College in Norway.

Furthermore, an important study, involving several EU countries, is in preparation, and is being submitted for EU FP7 funding.

The School offers a number of research student bursaries each year and interested students should contact the Director of Research in the School.

## M.Sc. COURSES

Direct entry to the Postgraduate Diploma. is not possible. Students may, following consultation with the course co-ordinator, opt not to progress to the second year of the M.Sc. programme. If a student chooses such an option, the student will be eligible for the award of a P.Grad Dip. Any student who chooses to opt for a P.Grad.Dip. may not apply at a later date to enter the second year of the M.Sc. course.

### GERONTOLOGICAL NURSING (M.Sc./P.Grad.Dip.) COURSE CODE 530-531/956-957

*Course Co-ordinator:* Ms Anna Watson

*Duration:* Two years, part-time

*Closing Date:* 31 March 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-416 2266

*Email:* [awatson@stjames.ie](mailto:awatson@stjames.ie)

*Internet:* [www.nursing-midwifery.tcd.ie/courses/postgrad\\_mscgerontological.php](http://www.nursing-midwifery.tcd.ie/courses/postgrad_mscgerontological.php)

The aim of this course is to strengthen and develop the knowledge, skills and attitudes of nurses caring for the older adult. The course provides an advanced grounding in methods of research, in addition to developing the theoretical and practical aspects of management, clinical practice and education in gerontological nursing. This is a taught Masters programme with a major dissertation. The programme commences with one full study week followed by one to two study days per week or the equivalent throughout the academic year. A combination of assessment strategies is used to evaluate the learning outcomes for the programme. A research dissertation will also have to be completed.



Candidates for the course will be registered as a nurse with An Bord Altranais, or be eligible for such registration, and will have a minimum of two years full-time or equivalent recent clinical nursing practice since first registration, and hold the Postgraduate Diploma course in Gerontological Nursing or hold a degree in Nursing Studies or equivalent, or otherwise satisfy the course committee that they have the entry requirements necessary to complete and benefit from the course.

### MENTAL HEALTH (M.Sc./P.Grad.Dip.)

#### COURSE CODE 765/916

*Course Co-ordinator:* Mr Michael Brennan

*Duration:* One year full-time; two years part-time

*Closing Date:* 31 March 2008. Applicants and requests for application forms should be addressed to the Graduate Studies Office, Arts Building, University of Dublin, Trinity College, Dublin 2.

*Telephone:* +353-1-896 3005

*Email:* flynnnci@tcd.ie

*Internet:* [www.nursing-midwifery.tcd.ie/courses/postgrad\\_mscmental.php](http://www.nursing-midwifery.tcd.ie/courses/postgrad_mscmental.php)

This course is offered by the Faculty of Health Sciences in partnership with the National Forensic Service. The aim of this course is to develop the knowledge, skills and attitudes of the participants, thus enabling them to fulfil their highest potential in both their personal and professional lives. The course enhances the collaboration between disciplines working with individuals with mental health problems. It is designed to provide an academically robust education for the participants and the various modules offered complement subjects undertaken at degree or 'equivalent' level.

Candidates for this course will be currently working in mental health/mental illness field, have a minimum of two years recent experience in the area of mental health/mental



illness, normally hold an honors degree in a relevant discipline, or otherwise satisfy the selection panel that they have the ability to complete and benefit from the course.

Students on this course are recognised as practising professionals with a resource of practice and educational skills and knowledge that will enhance their learning at this advanced stage of their personal and professional pathway. Throughout the programme a variety of student-focused teaching strategies is used, including cooperative learning, self-directed learning and experiential learning methods. Interdisciplinary sharing of knowledge and perspectives is encouraged and rewarded. Students' past experiences are valued and integrated as a rich source of reflection and learning. Feedback and support are tailored to meet the individual needs of the student.

Students are enabled to reflect, inquire, critique, problem solve, evaluate and debate professional and practice issues in an academically robust manner. Graduates of this programme, in applying their learning, can be expected to provide high quality care, leadership and education and to promote and develop excellence in their practice setting.

# health sciences

## MIDWIFERY (M.Sc./PROFESSIONAL MIDWIFERY STUDIES P.Grad.Dip)

**COURSE CODE 538-539/954-955**

*Course Co-ordinators:* Dr Elizabeth Curtis, Dr Fintan Sheerin

*Duration:* One year, full-time; two years, part-time

*Closing Date:* 31 March 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 3892

*Fax:* +353-1-473 2984

*Email:* [courtntma@tcd.ie](mailto:courtntma@tcd.ie)

*Internet:* [www.nursing-midwifery.tcd.ie/courses/postgrad\\_mscmidwifery.php](http://www.nursing-midwifery.tcd.ie/courses/postgrad_mscmidwifery.php)

The aim of this course is to strengthen and develop the knowledge and skills of participants. The course covers the theory of practice, education, administration and research, and commences with one full study week followed by one study day per week, or the equivalent throughout the academic year. There is a written assessment associated with each module of the course. In addition, successful completion of a research dissertation is a requirement in order to achieve the award of M.Sc. Midwifery.

168

Candidates for the course will be registered as a midwife with An Bord Altranais, will have at least two years' full-time recent clinical midwifery practice and will have an honors degree in midwifery, or a related discipline, or equivalent professional and academic qualification or otherwise satisfy the course committee that they have the ability to complete and benefit from the course. Students undertaking this course may do a Clinical Health Sciences Education strand. To undertake this strand, students are required to have 3 years clinical experience since first registration which must include experience of interaction with midwifery students or learners. Successful completion of this strand entitles these students to apply for registration as a Midwifery Tutor with An Bord Altranais.

## NURSING (M.Sc./PROFESSIONAL NURSING STUDIES P.Grad.Dip.)

**COURSE CODE 536-537/926-927**

*Course Co-ordinators:* Dr Elizabeth Curtis, Dr Fintan Sheerin

*Duration:* One year, full-time; two years, part-time

*Closing Date:* 31 March 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 3892

*Email:* [courtntma@tcd.ie](mailto:courtntma@tcd.ie)

*Internet:* [www.nursing-midwifery.tcd.ie/courses/postgrad\\_mscnursing.php](http://www.nursing-midwifery.tcd.ie/courses/postgrad_mscnursing.php)

The aim of this course is to strengthen and develop the knowledge and skills of participants. The course covers the theory of practice, education, administration and research, and commences with one full study week followed by one study day per week or the equivalent throughout the academic year. There is a written assessment associated with each module of the course. In addition, successful completion of a research dissertation is a requirement in order to achieve the award of M.Sc. Nursing.

Candidates for the course will be registered as a nurse with An Bord Altranais, will have at least two years' full-time recent clinical nursing practice experience and will have an honors degree in nursing, or a related discipline, or equivalent professional and academic qualification or otherwise satisfy the course committee that they have the ability to complete and benefit from the course. Students undertaking this course may do a Clinical Health Sciences Education strand. To undertake this strand, students are required to have 3 years clinical experience since first registration which must include experience of interaction with midwifery students or learners. Successful completion of this strand entitles these students to apply for registration as a Nurse Tutor with An Bord Altranais.



**PALLIATIVE CARE (M.Sc./P.Grad.Dip.)****COURSE CODE 747/921**

*Course Co-ordinator:* Dr Kevin Connaire

*Duration:* Two years, part-time

*Closing Date:* 31 March 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-832 7535

*Email:* [nursing@tcd.ie](mailto:nursing@tcd.ie)

*Internet:* [www.nursing-midwifery.tcd.ie/courses/postgrad\\_mscpalliativecare.php](http://www.nursing-midwifery.tcd.ie/courses/postgrad_mscpalliativecare.php)

This M.Sc. in Palliative Care is open to a wide range of professionals who have experience in delivering a palliative care approach within practice within the last two years. 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 critically explore and critique palliative care service provision. For the duration of the course, students need to be employed in an area where the principles of palliative care are operationalised when caring for individuals with life threatening illness and their families.

The course comprises both academic and clinical components. Students on the course must undertake seven modules and a minor dissertation (20,000 (+/- 10%) words). The modules are: Ethics & Law in Healthcare; Research for Evidence Based Practice in Healthcare; Pain & Symptom Management: An interdisciplinary Perspective; Psychosocial Issues in Palliative Care: An interdisciplinary Perspective; Theory & Practice 1: Principles & Philosophy of Palliative Care; Advanced Research Methods (Qualitative or Quantitative); Theory & Practice 2: Principles & Philosophy of Palliative Care Health Services Management.

The programme starts with one full study week and continues with one to two days contact per week, for the academic year. Students must undertake four supernumerary practice placements of which three are in the first year and one is in the second. The assessment process used is a combination of written and practical assignments.

Candidates for the course must be currently working in the area of palliative care, have a minimum of one year's clinical experience in palliative care practice within the last 2 years, and hold at least an upper second-class honors degree in a health professional or related subject area. Candidates with relevant, and significant experience as professional practitioners in the field of palliative care may be accepted with a lower class degree (II.2 or III), provided that they can satisfy the selection panel that they have the ability to complete and benefit from the course.

Students who wish to opt out of the M.Sc. after year one, and who do not undertake the required three supernumerary practice placements will not be eligible to receive the P.Grad.Dip.



# health sciences

## 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 listed 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.

## CLINICAL HEALTH SCIENCES EDUCATION (P.Grad.Dip.)

### COURSE CODE 656

*Course Co-ordinator: Dr Fintan Sheerin*

*Duration: One year, part-time*

*Closing Date: 31 March 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.*

*Telephone: +353-1-896 3892*

*Email: [courtnma@tcd.ie](mailto:courtnma@tcd.ie)*

*Internet: [www.nursing-midwifery.tcd.ie/courses/postgrad\\_dipchse.php](http://www.nursing-midwifery.tcd.ie/courses/postgrad_dipchse.php)*

170

This course is a joint venture between the Schools of Nursing and Midwifery and Education. The course is intended to facilitate health service professionals who hold an honors degree to develop their skills in teaching, assessment, curriculum design, development and evaluation. The course comprises five modules: the theory and practice of health sciences education; facilitating learning in a practice setting; the psychology of education; curriculum issues in health sciences education; quality improvement in education. The programme starts with one full study week and continues with one to two days per week for the academic year. Students must undertake a minimum of 135 hours of classroom and clinical teaching throughout the course. The assessment process used is a combination

of written and practical assignments. Students must pass independently the assessed teaching practice and the written assignments. The pass grade is 50%. Students who do not undertake the required amount of teaching practice will not be eligible to receive the Postgraduate Diploma in Clinical Health Sciences Education.

Candidates for the course must be currently registered as a health sciences professional (e.g. physiotherapist, doctor, nurse, midwife) with the appropriate body and working in a relevant area, have three years' clinical experience since first registration (excluding postgraduate study), hold an honors degree in a relevant discipline or equivalent professional and academic qualifications. Candidates for the course must also satisfy the course committee that they have the ability to complete all the requirements of the course including the stated teaching hours.

In order to be eligible to apply to the Tutor's Division of the Register held by An Bord Altranais, nurses and midwives who are successful on this course are also required to have a Masters degree.



**ONCOLOGICAL NURSING (P.Grad.Dip.)****COURSE CODE 554/555**

*Course Co-ordinator:* To be confirmed

*Course Leader:* Ms Mary MacMahon, St Luke's Hospital

*Duration:* One year, full-time

*Closing Date:* 28 February 2008

Applications and enquiries should be made to Ms Mary MacMahon, Nurse Education Co-ordinator, St. Luke's Hospital, Highfield Road, Rathgar, Dublin 6.

*Telephone:* +353-1-406 5223

*Email:* mary.macmahon@slh.ie

*Telephone:* +353-1-896 3021

*Internet:* [www.nursing-midwifery.tcd.ie/courses/postgrad\\_diponcol.php](http://www.nursing-midwifery.tcd.ie/courses/postgrad_diponcol.php)

This programme which is currently taught by the School of Nursing, St. Luke's Hospital, in association with the School of Nursing and Midwifery aims to:

- Develop a competent proactive professional with a heightened sensitivity to the many physical and psychological components of individual reactions to health, illness and particularly cancer
- Provide the registered nurse with the knowledge, skills and attitudes necessary to provide an holistic approach to caring for the patient diagnosed with cancer
- Facilitate the registered nurse to develop into a more caring, reflective and enquiring practitioner, capable of planning, implementing and evaluating care based on researched, scientific theory

**SPECIALIST NURSING (P.Grad.Dip.)****COURSE CODE 649**

*Course Co-ordinator:* Ms Louise McDonnell

*Duration:* One year, full-time

*Closing Date:* 28 February 2008. Application forms and details of admission requirements should be requested from, and applications should be made to the Specialist Nursing P.Grad.Dip. Programme, The School of Nursing and Midwifery, 24 D'Olier Street, Dublin 2.

*Email:* sbuckle@tcd.ie

*Telephone:* +353-1-896 3021

*Internet:* [www.nursing-midwifery.tcd.ie/courses/postgrad\\_pdsn.php](http://www.nursing-midwifery.tcd.ie/courses/postgrad_pdsn.php)

The aim of these courses is to facilitate the qualified nurse working in specialist areas to become a more knowledgeable, analytical, reflective and caring nurse, capable of assessing, planning, implementing and evaluating specialist nursing care based on research and evidence-based practice. These courses consist of two core modules; Research Dissemination in Clinical Practice; and Healthcare Management and Quality Improvement

As well as four specialist modules. All students must pass the core and specialist components. Students must also complete a clinical component relevant to their speciality strand. All students must pass the required clinical competencies in order to achieve the Postgraduate award.

The admission requirements are as follows:

- Registration as a nurse on the General Division of An Bord Altranais, or eligible for such registration for all general nursing specialists programmes
- Current registration on the RMHN Division of An Bord Altranais Live Register is required for the dementia care for persons with intellectual disability strand

# health sciences

- Current registration on the Registered Psychiatric Nurses Division of An Bord Altranais Live Register is required for the care of the client with severe and enduring mental illness strand
- Two years post-registration clinical experience since first registration
- Twelve month's experience (within last two years) in the appropriate speciality at the time of application or otherwise satisfy the selection committee they have the relevant clinical experience for the course

Candidates must also fulfil one of the following entry criteria:

- Diploma in Nursing Studies or equivalent Nursing Diploma, or
- Have successfully completed the TCD Access to Nursing Degree programme or equivalent, or
- Evidence of study to Diploma Level equivalent in a subject allied to Health Care, or
- Satisfy the selection committee that they have the academic ability to successfully complete the programme.

These programmes are taught in partnership between the School of Nursing and Midwifery and the associated Health Service Providers.

The following are the names of the Specialist strands currently being provided and the names of the associated Health Service Providers:

- Accident and emergency nursing (St James's and AMNCH)
- Promoting enablement in persons with physical disability (St Mary's Hospital Phoenix Park)
- Burns plastics and oro-maxillofacial nursing (St James's)
- Dementia care for persons with intellectual disability (National Federation of Voluntary Bodies, St Francis Hospice)
- Coronary care nursing (St James's and AMNCH)
- Intensive care nursing (St James's and AMNCH and Naas)
- Orthopaedic nursing (AMNCH)
- Renal nursing (AMNCH)
- Care of persons with severe and enduring mental illness (St Patrick's Hospital and the Health Service Executive Western and East Coast Areas)
- Haematology nursing (St James's and AMNCH)
- Peri-operative nursing (St James's and AMNCH)
- Advanced Anaesthetic/Recovery
- Advanced Paediatric (AMNCH only)
- Advanced Surgical

## Enquiries should be made to the following:

General nursing specialist strands in St James's Hospital, [www.stjames.ie](http://www.stjames.ie)

Ms Catherine Deegan, Head of Learning and Development, St. James's Hospital, Dublin 8

*Telephone: +353-1-416 2201*

*Email: [cbdeegan@stjames.ie](mailto:cbdeegan@stjames.ie)*

General nursing specialists strands in Adelaide and Meath Hospital, Dublin, incorporating the National Children's Hospital (AMNCH), [www.amnch.ie](http://www.amnch.ie)

Ms Mary Cotter, Principal Tutor/Specialist Co-ordinator, College of Nursing/Centre for Nurse Education AMNCH, Tallaght, Dublin 24

*Telephone: +353-1-414 2857*

*Email: [mary.cotter@amnch.ie](mailto:mary.cotter@amnch.ie)*

Dementia care for persons with intellectual disability  
Ms Kay Downey Ennis, St Vincent's Hospital, Navan Road,  
Dublin 7

*Telephone:* +353-1-824 5409 or +353-1-824 5419

*Email:* k.ennis@doc-central.ie

or

Ms Sarah Buckley, TCD Executive Officer, School of Nursing  
and Midwifery, 24 D'Olier Street, Dublin 2

*Telephone:* +353-1-896 3021

*Email:* sbuckle@tcd.ie

Haematology nursing

Clinical Facilitator, HOPE Directorate, St James's Hospital,  
Dublin 8

*Telephone:* +353-1-428 4496 or 410 3000 (bleep 294)

*Email:* to be confirmed

or

Ms Sarah Buckley, TCD Executive Officer, School of Nursing  
and Midwifery, 24 D'Olier Street, Dublin 2

*Telephone:* +353-1-896 3021

*Email:* sbuckle@tcd.ie

Promoting enablement in persons with physical disability,  
severe and enduring mental illness

Annie-Marie Payne, Nurse Tutor, St. Mary's Hospital,  
Phoenix Park, Dublin 20

*Telephone:* +353-1-677 8132

*Email:* annemarie.payne@mailc.hse.ie

or Ms Sarah Buckley, sbuckle@tcd.ie

Severe and enduring mental illness (St. Patrick's Hospital,  
Health Service Executive South Western and East Coast  
Areas)

Sinead Frain, Clinical Facilitator, Block E, Westland Park,  
Nangor Road, Dublin 12

*Telephone:* +353-1-460 9690

*Email:* sinead.frain@mailm.hse.ie

or Ms Sarah Buckley, sbuckle@tcd.ie

## HIGHER DIPLOMAS

### HIGHER DIPLOMA IN CHILDREN'S NURSING (H.Dip.)

#### COURSE CODE 755

*Course Co-ordinator:* Ms Carole King

*Duration:* One year, full-time

*Closing Date:* June for September entry every year.

Applications should be made to the Matron, the Adelaide  
and Meath Hospital, Dublin, incorporating the National  
Children's Hospital at Tallaght. Enquiries should be directed  
to Ms Carole King, The School of Nursing and Midwifery,  
The University of Dublin, Trinity College.

*Telephone:* +353-1-896 3109

*Email:* cking2@tcd.ie

*Internet:* [www.nursing-midwifery.tcd.ie/courses/higherdip\\_](http://www.nursing-midwifery.tcd.ie/courses/higherdip_child.php)  
[child.php](http://www.nursing-midwifery.tcd.ie/courses/higherdip_child.php)

This course is currently taught by the School of Nursing, The  
Adelaide and Meath Hospital, Dublin, incorporating the  
National Children's Hospital, at Tallaght in association with  
the School of Nursing and Midwifery, Trinity College Dublin.

This course aims to develop and expand knowledge,  
skills and attitudes in nurses towards infants, children and  
their parents and family, as a unit in society. The course is  
designed to equip nurses to deliver primary health care,  
acute, rehabilitative and palliative care as required and to  
foster the process of continuing education and research in  
paediatric nursing practice. Students must be registered,  
or be eligible to register, in one of the three disciplines in  
nursing- general, psychiatry, intellectual disability nursing  
and 6 months post registration experience since initial  
registration is required. Students must have a Diploma  
in Nursing, or a TCD access to Nursing programme or a  
Degree in Nursing.

# health sciences

## HIGHER DIPLOMA IN MIDWIFERY (H.Dip.)

### COURSE CODE 766/767

*Course Director:* Ms Margaret Carroll

*Course Co-ordinator:* Ms Margaret Dunlea

*Duration:* Eighteen months, full-time

*Closing Date:* 30 November 2008 for April 2009 entry

*Application:* Applications should be made to the Director of Midwifery, The Rotunda Hospital, Dublin 1 (Telephone: +353-1-873 0700), or to the Director of Midwifery, The Coombe Women's Hospital, Dublin 8 (Telephone: +353-1-4085490).

*Internet:* [www.nursing-midwifery.tcd.ie/courses/higherdip\\_midw.php](http://www.nursing-midwifery.tcd.ie/courses/higherdip_midw.php) or [www.coombe.ie](http://www.coombe.ie) or [www.rotunda.ie](http://www.rotunda.ie)

This course is taught by the School of Nursing and Midwifery, Trinity College Dublin in partnership with The Rotunda Hospital, Dublin and The Coombe Women's Hospital, Dublin. The course is designed to develop midwives with the knowledge, skills and attitudes necessary to become competent, analytical and reflective practitioners thus enabling them to provide care in a manner that benefits women and their families.

### Admission Criteria

Applicants must satisfy the following minimum entry criteria:

- Must be a registered general nurse on the General Nurse Division of the register maintained by An Bord Altranais; and
- Currently be on the Live Register maintained by An Bord Altranais; and
- Have a minimum of 6 months full-time recent clinical nursing practice or equivalent since registration as a general nurse; and
- Have a relevant academic qualification, preferably to degree level; and
- Satisfy the selection committee that they have the ability to complete and benefit from the course

The course will consist of the following modules: Foundation Skills for Midwifery Practice, Sharing the Woman's Experience - Social Theory and Birth, Core Midwifery Practice, Adaptation in Pregnancy, Midwifery Practice: Pathophysiology, Midwifery Research – Evidence for Midwifery Practice, Lactation and Infant Feeding, Midwifery Practice: Unexpected Outcomes of Pregnancy and Childbirth, Being a Midwife – Personal and Professional Development, and 'Bring it all together'. It will also comprise a considerable amount of Midwifery Practice.

### Enquiries should be directed to:

The Director of Midwifery, The Rotunda Hospital.

*Email:* [mcampion@rotunda.ie](mailto:mcampion@rotunda.ie)

The Director of Midwifery, The Coombe Women's Hospital.

*Email:* [directorofmidwifery@coombe.ie](mailto:directorofmidwifery@coombe.ie)

School of Nursing and Midwifery, 24 D'Olier Street, Dublin 2.

*Telephone:* +353-1-896 2692,

*Email:* [midwifery.info@tcd.ie](mailto:midwifery.info@tcd.ie)





## School of Pharmacy and Pharmaceutical Sciences

*Head of School:* Mrs Ingrid Hook

*Director of Teaching and Learning (Postgraduate):*  
Dr John Clancy

Director of Research: Professor Owen Corrigan

*Telephone:* +353-1-896 2809

*Fax:* +353-1-896 2810

*Email:* edaly3@tcd.ie

*Internet:* www.pharmacy.tcd.ie

The School of Pharmacy is the longest established centre for pharmaceutical education in Ireland with postgraduate degrees by research having been offered by the School at Trinity College Dublin since 1977. The School is located at the East End of the TCD campus in a purpose-built facility, the Panoz Institute.

### RESEARCH PROGRAMMES

Currently the main research programmes in the School are: Drug Delivery (& Targeting) including oral drug delivery (colon-specific, aspirin, protein prodrugs); respiratory drug delivery; macromolecular drug delivery (new technologies, materials, smart polymers, liposomes etc.); nanoparticles; anticancer drug targeting. Drug Discovery/Design including anticancer medicinal chemistry; novel anti-allergic compounds; novel antibiotics. In silico design of new drugs and therapies including High-Performance-Computing (HPC) applications in drug delivery system (DDS) design

in vitro and in vivo; In silico high throughput screening for drug discovery. Mechanisms of Drug action including neuropharmacology / aging diseases and therapies; inflammation / immunomodulation; platelet biology; anti-cancer therapies; drug abuse; biology of ion channels in human respiratory epithelium. Pharmaceutical cell biology including drug transport in human respiratory epithelium; interaction between drug delivery systems and cell culture models; development and characterisation of in vitro models for drug absorption across epithelial barriers of the lung, the GIT and the eye. Practice of Pharmacy including pharmaceutical care & continuous improvement of Practice Standards; health care policy and service delivery; health promotion in Primary Care; hospital pharmacy and drug use in hospitals. These programmes are aligned with College's Strategic Plan in the major thematic areas of Pharmaceutical nanoscience and technology, immunology and inflammation, cancer research and neuroscience.

As well as involvement in the above programmes, academic staff have active research projects at M.Sc. and Ph.D. level in the traditional pharmacy disciplines: Pharmaceutics & Pharmaceutical Technology, Pharmaceutical Chemistry, Pharmacology, Pharmacognosy and Practice of Pharmacy (See [www.tcd.ie/pharmacy](http://www.tcd.ie/pharmacy)). Collaborative research is also ongoing with other academic and industry groups, both at national and international levels. In addition, Staff contribute to integrated postgraduate taught M.Sc./Diploma courses which are formulated in the context of European and international curriculum strategies (see M.Sc./P.Grad.Dip. in Pharmaceutical Analysis, M.Sc. in Hospital Pharmacy, M.Sc./P.Grad.Dip. in Community Pharmacy, M.Sc./P.Grad.Dip. in Pharmaceutical Technology, M.Sc. in Neuroscience, M.Sc. in Sports and Exercise Medicine).

# health sciences

## M.Sc. COURSES

### HOSPITAL PHARMACY (M.Sc.)

#### COURSE CODE 222

Next entry January 2010

*Course Co-ordinator:* Ms Niamh McMahon

*Duration:* Two years, part-time

*Closing Date:* 1 October 2009, for admission in the following January. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-416 2586

*Fax:* +353-1-473 0596

*Email:* nmcmahon@stjames.ie

*Internet:* [www.pharmacy.tcd.ie/courses/msc\\_hospital.php](http://www.pharmacy.tcd.ie/courses/msc_hospital.php)

The M.Sc. in Hospital Pharmacy consists of a practice-based teaching programme complemented by lectures, tutorials and workshops. The course provides students with the knowledge and skills necessary to undertake all aspects of hospital pharmacy. Subjects covered include therapeutics, pharmacoconomics, purchasing skills, good manufacturing practice and aseptics, immunology and biotechnology. Management issues as they relate to hospital pharmacy and the broader context of healthcare systems are also addressed.

Coursework is underpinned by a comprehensive practice-based element where students rotate through a variety of specialist areas to ensure that broad, practical experience is obtained in such areas as medicines information, dispensary, aseptic compounding and clinical specialities.

Assessment is on a continual basis through formal examinations, written assignments, oral presentations and clinical progress reports. Students are required to undertake a research project and must demonstrate

research competency. Research and methodological skills are addressed in a dedicated module that also encompasses statistical evaluation.

This is a two-year, part-time course with lectures and tutorials taking place on one half day per week in central locations. Courses are conducted on a biennial basis. Eligible candidates must hold a first- or second-class honors degree in pharmacy and be registered with the Pharmaceutical Society of Ireland. All students are based as full-time pharmacists in approved participating hospitals in Ireland.

### PHARMACEUTICAL ANALYSIS (M.Sc./P.Grad.Dip.)

#### COURSE CODE 544-545/938-939

*Course Director:* Dr John M. Clancy

*Closing Date:* 31 July 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 2790

*Fax:* +353-1-896 2793

*Email:* jclancy@tcd.ie

*Internet:* [www.pharmacy.tcd.ie/courses/msc\\_analysis.php](http://www.pharmacy.tcd.ie/courses/msc_analysis.php)

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 is to equip graduates with the appropriate analysis skills required by the pharmaceutical and veterinary manufacturing industries.

Applicants are 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 are considered, particularly with relevant professional experience. Applications will be evaluated by the Course Director in consultation with the Course Committee and Dean of Graduate Studies as appropriate.

The course is available for full-time study over one calendar year or part-time over two years and consists of lectures, workshop and laboratory work. Part-time teaching is normally scheduled for Fridays during academic terms. The course comprises lectures, workshops, seminars, laboratory work, written assignments and factory visits. In addition, each student must write a major essay on a designated topic in the area of pharmaceutical analysis. Students proceeding to a M.Sc. degree will be required to undertake a research project and present a detailed scientific report at the end of the course.

The course consists of eight basic modules: regulatory aspects of pharmaceutical analysis, statistics, GLP chromatographic analysis, spectroscopic and physical methods of analysis, pharmacopoeial methods of drug analysis, analysis of low level drug analysis, specialised pharmaceutical methods of analysis, biological and pharmacological methods, and pharmaceutical formulation.

The taught modules are supported by lectures and workshops on presentation and research skills and visits to industrial laboratories. The course is taught mainly by College staff, although there is a contribution from specialist visiting lecturers. The research project may be conducted either in the School of Pharmacy or at the student's place of employment but in either case supervision is exercised by a member of the School of Pharmacy academic staff.

Overall assessment of candidates is based on tutor marked assignments (TMAs) during the course work and written examinations in May/June each year. Credits are available for all assignments including laboratory reports. The M.Sc. project report should be of 20,000 words and is examined in September. Candidates must successfully complete the taught component of the course at the Trinity term examinations, before proceeding to the M.Sc. project. Provision is available for a supplemental examination in September each year if required. A reasonable attempt is required in all aspects of the examination process. A pass mark of 40% is normally required but compensation is applied where appropriate.



# health sciences

## PHARMACEUTICAL TECHNOLOGY (M.Sc./P.Grad.Dip.)

### COURSE CODES 546-547/942-943

*Course Co-ordinator:* Dr Carsten Ehrhardt

*Duration:* One year, full-time

*Closing Date:* 27 June 2008. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 2441

*Fax:* +353-1-896 2783

*Email:* carsten.ehrhardt@tcd.ie

*Internet:* [www.pharmacy.tcd.ie/courses/msc\\_pharmtech.php](http://www.pharmacy.tcd.ie/courses/msc_pharmtech.php)

The main aim of the course is to give students 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 are equipped with practical experience and research methodology that enables them to become involved in research and development in these areas.

Applications are accepted from graduates who hold a good honors degree in a relevant science discipline, hold an equivalent qualification with relevant professional experience or otherwise satisfy the course admission committee that they have the ability to succeed and benefit from the course.

## 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 listed 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.

## COMMUNITY PHARMACY (P.Grad.Dip./M.Sc.)

### COURSE CODES 659/658

*Course Co-ordinator:* Ms Sheila Ryder

*Duration:* P.Grad.Dip. two years part-time; M.Sc. one additional year, part-time.

*Closing Date:* July 2008. Applicants must be registered or entitled to registration as a pharmaceutical chemist with the Pharmaceutical Society of Ireland and currently be employed (full-time/part-time) in community pharmacy. Two references are required upon application – either two academic references or one academic and one work-related reference. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 3736 or +353-1-896 2786

*Fax:* +353-1-896 2524

*Email:* [community.pharmacy@tcd.ie](mailto:community.pharmacy@tcd.ie) or [sryder@tcd.ie](mailto:sryder@tcd.ie)

*Internet:* [www.pharmacy.tcd.ie/courses/msc\\_community.php](http://www.pharmacy.tcd.ie/courses/msc_community.php)

These courses are intended to help community pharmacists to develop their clinical, managerial and research skills, meet duties imposed by Clause 9 of the Community Pharmacy Contractor Agreement, extend their professional role and contribute to patient care as part of the primary health care team. Because of their distance learning format, participants can continue in full-time employment throughout the courses.

Participants initially enter at diploma level, and on successful completion of core material 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.



## PHARMACEUTICAL MANUFACTURING TECHNOLOGY (P.Grad.Dip./M.Sc.)

### COURSE CODE 202/726

*Course Co-ordinator:* Ms Lorna Loughrey to whom all enquiries should be made

*Duration:* Two years, part-time

*Closing Date:* 31 July for admission in the following January. Applications should be addressed directly to the Graduate Studies Office, Arts Building, Trinity College, Dublin 2.

*Telephone:* +353-1-896 2811/2812

*Fax:* +353-1-896 2813

*Email:* [dippmt@tcd.ie](mailto:dippmt@tcd.ie)

*Internet:* [www.pharmacy.tcd.ie/courses/msc\\_manufac.php](http://www.pharmacy.tcd.ie/courses/msc_manufac.php)

The Postgraduate Diploma course is presented in a distance learning form and extends over two years. Participants are expected to be in employment either in the pharmaceutical industry or with the pharmaceutical regulatory authority at the time of application and for the duration of the course.

Course content is specified in Human and Veterinary Directives 2001/83/EC and 2001/82/EC. Participants receive nine module books in each year of the course. The general areas covered are: pharmaceutical, medicinal and analytical chemistry; pharmaceutical processing and drug action, uses and assessment. Participants must also undertake a number of manufacturing facility visits. The Postgraduate Diploma 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"). Students who are eligible to progress to a M.Sc. degree must undertake a dissertation in the second year of the course.



# Postgraduate Degree and Diploma Courses – Annual Fees





**POSTGRADUATE  
DEGREE COURSE FEES**

**POSTGRADUATE  
DIPLOMA AND  
HIGHER DIPLOMA  
COURSE FEES**

# Postgraduate Degree and Diploma Courses

## – Annual Fees

The University of Dublin Calendar Part 1 contains the general regulations applicable to all College charges. The following list of annual fees is extracted from that publication and is given for reference purposes only. Applicants should note that there are a number of other charges which may be levied in certain circumstances. All students must pay a students' union levy each year in addition to the annual fees scheduled below. The University of Dublin Calendar Part 1, College Charges section is to be taken as definitive in the event of any discrepancy or conflict with the material reproduced below. The Board of Trinity College, Dublin, is not bound by any error in, or omission from the following.

### SUMMARY OF POSTGRADUATE ANNUAL FEES

Postgraduate students not registered for higher degrees but admitted for one year or one term in accordance with admission requirements, pay fees as follows:

One-year students based in the Faculty of Arts, Humanities and Social Sciences (excluding the Department of Clinical Speech and Language Studies and the School of Psychology): €4,900 for E.U. or €14,516 for non-E.U.

One-year students based in the Faculties of Engineering, Mathematics and Science, Health Sciences, the Department of Clinical Speech and Language Studies and the School of Psychology: €6,509 for E.U. or €19,020 for non-E.U.

One-term students admitted to any faculty will be required to pay a term fee as follows: €1,880 for E.U. or €5,908 for non-E.U. Students attending for two terms will be required to pay double the one-term fee.

The fees must be paid before 1 September or by the date requested if later.

Students may be admitted to attend one specific course of lectures for a term on payment of a fee of €672. To attend more than one course of lectures students must register as and pay the fee prescribed for one-term students. All fees mentioned in this paragraph must be paid before 1 September for Michaelmas term, before 1 December for Hilary term and before 1 March for Trinity term.

There is a conferring fee of €111 payable by all students when they apply for Commencements.

**Please note that all annual fees quoted below are for guidance only and are for the academic session 2007/08.**



POSTGRADUATE DEGREE COURSE FEES

		E.U. Euro €	Non-E.U. Euro €
B.D.	qualifying test fee (when applicable)	245	
	examination fee (for six divisions) payable on registration	1,102	
	dissertation or special examination fee	875	
D.D.*	examination and degree fee	2,449	
LL.D.*	examination and degree fee	2,449	
Litt.D.*	examination and degree fee	2,449	
Mus.D.*	examination and degree fee	2,449	
Sc.D.*	examination and degree fee	2,449	
M.Ch., M.A.O., and M.D.	examination and degree fee	3,537	
	re-registration fee (see note 1)	370	
M.Dent.Sc.	examination and degree fee	3,537	
	re-registration fee (see note 1)	370	
M.Dent.Ch. (taught)	annual fee	19,099	36,753
M.A.I. (excluding course)	examination and degree fee	3,537	
	re-registration fee (see note 1)	370	
M.A.I. (course)	annual fee (see note 2)	5,344	19,088
M.B.A.	annual fee (see note 2)	23,500	23,500
M.Ed.	annual fee (see note 2)	5,132	14,579
	annual fee (2nd year) (see note 2)	5,132	9,052
	annual fee (subsequent years)	2,566	4,536
M.Litt.	annual fee (1st and 2nd years)	4,244	10,844
	annual fee (subsequent years) (see note 3)	2,250	4,546
LL.M.	annual fee (see note 2)	7,387	17,214
M.Phil. in Anglo-Irish Literature	annual fee (see note 2)	5,471	14,738
M.Phil. in Applied Linguistics	annual fee (see note 2)	5,471	14,738
	annual fee (2nd year part-time) (see note 2)	2,022	4,695
M.Phil. in Comparative Literature	annual fee (see note 2)	5,257	12,616
M.Phil. in Creative Writing	annual fee (see note 2)	6,623	15,106
M.Phil. in Early Irish	annual fee (see note 2)	5,257	12,461

		<b>E.U.</b>	<b>Non-E.U.</b>
		<b>Euro €</b>	<b>Euro €</b>
M.Phil. in English Language Teaching	annual fee (see note 2)	6,000	15,150
M.Phil. in Ethnic and Racial Studies	annual fee (see note 2)	7,021	16,675
M.Phil. in Film Theory and History	annual fee (see note 2)	5,823	15,069
M.Phil. in Gender and Women's Studies	annual fee (see note 2)	5,500	14,000
	annual fee (1st and 2nd years part-time) (see note 2)	2,750	7,000
M.Phil. in German Literature with Language Pedagogy	annual fee (full-time) (see note 2)	5,085	13,372
	annual fee (part-time) (see note 2)	3,147	8,220
M.Phil. in Irish Art History	annual fee (see note 2)	5,885	14,980
M.Phil. in Linguistics	annual fee (see note 2)	5,471	14,738
	annual fee (2nd year part-time) (see note 2)	2,022	4,566
M.Phil. in Literary Translation	annual fee (see note 2)	5,347	13,212
M.Phil. in Literatures of the Americas	annual fee (see note 2)	6,190	14,118
M.Phil. in Medieval History	annual fee (see note 2)	5,885	14,980
M.Phil. in Medieval Language, Literature and Culture	annual fee (see note 2)	4,878	11,795
M.Phil. in Modern Irish History	annual fee (see note 2)	6,415	19,594
M.Phil. in Music and Media Technologies	annual fee (see note 2)	6,874	16,513
M.Phil. in Popular Literature	annual fee (see note 2)	6,603	15,069
M.Phil. in Psychoanalytic Studies	annual fee (see note 2)	6,879	14,738
M.Phil. in Reconciliation Studies	annual fee (full-time)	5,872	13,809
	annual fee (part-time)	3,407	7,803
M.Phil. in Reformation and Enlightenment Studies	annual fee (see note 2)	5,885	14,980
M.Phil. in Social Work Research	annual fee (see note 2)	5,408	19,088
M.Phil. in Speech and Language Processing	annual fee (see note 2)	5,471	14,738
	annual fee (2nd year part-time) (see note 2)	2,022	4,695
M.Phil. in Textual and Visual Studies	annual fee (see note 2)	4,755	14,175
M.Phil. in Theatre and Performance	annual fee (see note 2)	5,570	14,413
M.Phil. (Ecum.)	annual fee (full-time)	5,872	13,809
	annual fee (part-time)	3,407	7,803
M.Phil. (Peace Studies)	annual fee (full-time)	5,872	13,809
	annual fee (part-time)	3,407	7,803

POSTGRADUATE DEGREE COURSES – ANNUAL FEES

		<b>E.U.</b>	<b>Non-E.U.</b>
		<b>Euro €</b>	<b>Euro €</b>
M.Sc.	annual fee (1st and 2nd years)	5,038	12,911
	annual fee (subsequent years) (see note 3)	2,646	5,410
M.Sc. (courses)	annual fee (see note 2)	5,344	19,088
M.Sc. in Applied Psychology	annual fee (full-time) (see note 2)	7,088	15,015
	annual fee (part-time) (see note 2)	4,040	8,085
M.Sc. in Applied Social Research	annual fee (see note 2)	6,998	13,996
M.Sc. in Biodiversity and Conservation	annual fee (see note 2)	5,885	18,388
M.Sc. in Bioengineering	annual fee (1st, 2nd and 3rd years)	6,733	16,448
M.Sc. in Cardiac Rehabilitation	annual fee (see note 2)	7,056	17,495
M.Sc. in Cardiology	annual fee (see note 2)	6,164	34,232
M.Sc. in Chemical and Biological Techniques I	annual fee (2 years) (see note 2)	6,634	13,375
M.Sc. in Chemical and Biological Techniques II	annual fee (3 years) (see note 2)	5,350	10,700
M.Sc. in Child and Adolescent Psychoanalytic Psychotherapy	annual fee (see note 2)	3,863	16,196
M.Sc. in Child Protection and Welfare	annual fee (see note 2)	5,342	19,088
M.Sc. in Civil Engineering	annual fee (see note 2)	5,589	16,766
	annual fee (2nd year part-time) (see note 2)	2,666	5,431
M.Sc. in Clinical Biochemistry and Biomedical Sciences	annual fee	5,149	19,088
	annual fee (3rd year part-time)	4,886	19,088
M.Sc. in Clinical Chemistry	annual fee (see note 2)	5,832	13,996
M.Sc. in Clinical Speech and Language Studies	annual fee (see note 2)	4,629	12,246
M.Sc. in Clinical Supervision	annual fee (see note 2)	7,250	14,500
M.Sc. in Community Pharmacy	annual fee (see note 2)	5,038	10,826
M.Sc. in Computer Science (Interactive Entertainment Technology)	annual fee (see note 2)	8,129	
M.Sc. in Computer Science (Mobile and Ubiquitous Computing)	annual fee (see note 2)	4,815	14,980
M.Sc. in Computer Science (Networks and Distributed Systems)	annual fee (see note 2)	4,815	14,980

		<b>E.U.</b>	<b>Non-E.U.</b>
		<b>Euro €</b>	<b>Euro €</b>
M.Sc. in Counselling Psychology	annual fee (1st and 2nd years)	11,541	17,134
M.Sc. in Drug and Alcohol Policy	annual fee (see note 2)	4,928	19,088
M.Sc. in Economic Policy Studies	annual fee (see note 2)	11,546	23,093
M.Sc. in Environmental Sciences	annual fee (see note 2)	5,344	19,088
M.Sc. in Exercise Physiology	annual fee (see note 2)	6,800	13,600
M.Sc. in Gerontological Nursing	annual fee (full-time) (see note 2)	8,047	15,745
	annual fee (part-time) (see note 2)	4,199	11,680
M.Sc. in Global Health	annual fee (see note 2)	8,074	23,514
M.Sc. in Health Informatics	annual fee (see note 2)	4,815	14,980
M.Sc. in Health Services Management	annual fee (1st year) (see note 2)	8,889	18,949
	annual fee (2nd year) (see note 2)	8,274	18,949
M.Sc. in High Performance Computing	annual fee (see note 2)	5,837	12,546
M.Sc. in Hospital Pharmacy	annual fee (see note 2)	4,220	16,361
M.Sc. in Integrated Systems Design	annual fee (see note 2)	9,364	
M.Sc. in Mammalian Cell Physiology	annual fee (see note 2)	8,560	12,840
M.Sc. in Management of Information Systems	annual fee (see note 2)	4,815	14,980
M.Sc. in Mechanical Engineering (Erasmus Mundus)	annual fee (see note 6)	6,998	11,000
M.Sc. in Medical Imaging	annual fee (see note 2)	4,468	13,365
M.Sc. in Mental Health	annual fee (see note 2)	4,199	11,680
M.Sc. in Midwifery	annual fee (full-time) (see note 2)	8,047	15,745
	annual fee (part-time) (see note 2)	4,199	11,680
M.Sc. in Molecular Medicine	annual fee (full-time) (see note 2)	7,043	18,179
	annual fee (part-time) (see note 2)	4,727	12,145
M.Sc. in Molecular Pathology	annual fee (full-time) (see note 2)	5,928	16,469
	annual fee (part-time) (see note 2)	4,413	12,032
M.Sc. in Multimedia Systems	annual fee (see note 2)	4,815	14,980
M.Sc. in Neuroscience	annual fee (see note 2)	5,038	10,826
M.Sc. in Nursing	annual fee (full-time) (see note 2)	8,047	15,745
	annual fee (part-time) (see note 2)	4,199	11,680



POSTGRADUATE DEGREE COURSES – ANNUAL FEES

		<b>E.U.</b>	<b>Non-E.U.</b>
		<b>Euro €</b>	<b>Euro €</b>
M.Sc. in Occupational Therapy	annual fee (see note 2)	5,120	14,175
M.Sc. in Paediatrics	annual fee (see note 2)	6,416	27,326
M.Sc. in Palliative Care	annual fee (see note 2)	4,199	11,669
M.Sc. in Pharmaceutical Analysis	annual fee (full-time) (see note 2)	8,034	19,936
	annual fee (part-time) (see note 2)	5,961	14,970
M.Sc. in Pharmaceutical Manufacturing Technology	annual fee (see note 2)	9,181	9,181
M.Sc. in Pharmaceutical Medicine	annual fee	4,827	13,167
M.Sc. in Pharmaceutical Technology	annual fee (full-time) (see note 2)	8,939	21,287
	annual fee (part-time) (see note 2)	5,625	13,333
M.Sc. in Physical Sciences in Medicine	annual fee (1st and 2nd years)	5,908	19,068
	annual fee (subsequent years)	2,646	5,411
M.Sc. in Psychoanalytic Psychotherapy	annual fee (see note 2)	6,877	17,067
M.Sc. in Public Sector Analysis	annual fee (see note 2)	13,723	
M.Sc. in Sports and Exercise Medicine	annual fee (see note 2)	9,118	12,747
M.Sc. in Technology and Learning	annual fee (see note 2)	4,815	14,980
M.Sc. (Econ.)	annual fee (see note 2)	6,000	12,000
M.Sc. (Mgmt) in Business Administration	annual fee (see note 4)	15,569	
M.Sc. (Mgmt) in International Business	annual fee (see note 4)	18,500	18,500
M.Sc. (Mgmt) in Management Practice	annual fee (see note 4)	18,755	
M.Sc. (Mgmt) in Organisation Behaviour	annual fee (see note 4)	13,000	
M.Sc. (Mgmt) in Strategic Management (Public Sector)	annual fee (see note 4)	15,569	
M.St. in Curriculum Studies	annual fee (see note 2)	5,132	14,579
M.St. in School Leadership	annual fee (see note 2)	5,132	14,579
M.S.W.	annual fee	5,574	15,088
Ph.D. in the Faculty of Arts, Humanities and Social Sciences (excluding the Department of Clinical Speech and Language Studies and the School of Psychology)	annual fee (1st and 2nd years)	4,244	10,844
	annual fee (3rd year)	4,244	9,092
	annual fee (subsequent years) (see note 3)	2,250	4,546

		<b>E.U.</b>	<b>Non-E.U.</b>
		<b>Euro €</b>	<b>Euro €</b>
Ph.D. in the Faculties of Engineering, Mathematics and Science, Health Sciences, the Department of Clinical Speech and Language Studies and the School of Psychology	annual fee (1st and 2nd years)	5,038	12,911
	annual fee (3rd year)	5,038	10,826
	annual fee (subsequent years) (see note 3)	2,646	5,410
Ph.D. in Molecular Medicine	annual fee (1st, 2nd and 3rd years)	5,038	10,826
	annual fee (subsequent years) (see note 3)	2,646	5,410
Ph.D. in Neuroscience	annual fee (1st, 2nd and 3rd years)	5,038	10,826
	annual fee (subsequent years) (see note 3)	2,646	5,410
Ph.D. in Political Science	annual fee (see note 2)	7,556	14,392
D.Clin.Psych.	annual fee (see note 2)	13,953	
D.Ed.	annual fee (1st, 2nd and 3rd years)	5,482	10,730
	annual fee (4th and 5th years)	4,898	9,797
Thesis revision fee (Arts, Humanities and Social Sciences)	one year (see note 5)	1,689	1,689
Thesis revision fee (Engineering, Mathematics and Science)	one year (see note 5)	1,982	1,982

**Notes:**

\* No fee for eligible members of staff

188

- 1 The fee applies to students registered for professional higher degrees from their third year onwards, i.e. the examination and degree fee covers the first two years of registration. However, students who are in full-time attendance at Trinity College are liable for the same reduced annual fee as applies for degrees by research (see note 3 below).
- 2 Students who do not complete their Masters degree course in the required time will have to re-register and pay the same reduced annual fee as applies for degrees by research (see note 3 below).
- 3 Students entering the third and subsequent years on the M.Sc. (by research) and M.Litt. registers and the fourth and subsequent years on the Ph.D. register will be required to pay this reduced continuation fee.
- 4 This course is organised jointly with the Irish Management Institute.
- 5 Where the revised thesis is submitted within six months of the original thesis submission date a reduced fee of €1,054 will be payable.
- 6 Students on this course pay the annual fee only for the year spent in Trinity College.

## POSTGRADUATE DIPLOMA AND HIGHER DIPLOMA COURSE FEES

(see also footnote 1 below)

		Euro €
Applied behaviour analysis	annual fee	7,000
Applied building repair and conservation	annual fee	5,045
Bioengineering	annual fee	6,673
Child protection and welfare	annual fee <sup>2</sup>	6,117
Clinical dentistry	annual fee	3,600
Clinical engineering (equipment management)	annual fee	5,672
Clinical health sciences education	annual fee	4,199
Clinical speech and language studies (dysphagia)	annual fee	4,629
Clinical supervision (psychology)	annual fee	6,250
Cognitive psychotherapy	annual fee	10,034
Community pharmacy	annual fee	4,469
Computer science (mobile and ubiquitous computing)	annual fee	4,815
Computers for engineers	annual fee	3,852
Conflict and dispute resolution studies	annual fee	5,594
Construction law and contract administration	annual fee	6,600
Dental health	annual fee <sup>3</sup>	8,630
Ecumenics	annual fee (full-time)	5,872
	annual fee (part-time)	3,407
Education	annual fee	4,528
	annual fee (2nd year when applicable)	1,694
Environmental engineering	annual fee	5,550
Exercise physiology	annual fee	6,800
Fire safety practice (buildings and other structures)	annual fee	5,550
Gynaecology and obstetrics	annual fee <sup>4</sup>	9,679
Health and safety in construction	annual fee	5,045
Health informatics	annual fee	4,815
Higher diploma in children's nursing	annual fee	11,277
Higher diploma in midwifery	fee	17,308
Higher diploma in psychology	annual fee	8,955
Highway and geotechnical engineering	annual fee	5,550

		Euro €
Magnetic resonance imaging technology	annual fee	4,692
Management	annual fee	14,700
Molecular medicine	annual fee	4,529
Music and media technologies	annual fee	6,811
Nuclear medicine	annual fee	4,692
Old Irish	annual fee	4,554
Oncological nursing	annual fee	6,560
Peace studies	annual fee (full-time)	5,872
	annual fee (part-time)	3,407
Pharmaceutical analysis	annual fee (full-time)	8,034
	annual fee (part-time)	5,961
Pharmaceutical manufacturing technology	annual fee	9,181
Pharmaceutical medicine	annual fee (1st year)	4,827
	annual fee (2nd year)	3,755
Pharmaceutical technology	annual fee (full-time)	8,939
	annual fee (part-time)	5,625
Physical planning	annual fee	5,550
Primary health care	annual fee	8,146
Project management	annual fee	5,550
Specialist nursing	annual fee	6,560
Statistics	annual fee (1st year)	3,852
	annual fee (2nd year)	749

**Footnotes:**

- 1 All non-E.U. diploma students (other than dental health, and gynaecology and obstetrics) will be liable for an annual fee of three times the annual E.U. fee or €15,023 whichever is the lower. The only exception to this will be where a specific fee has been set for the course. Please check with the Treasurer's Office for details.
- 2 There will be a 33 per cent reduction for students employed by an agency funded by the Department of Health and Children.
- 3 This is a standard tuition fee for all students irrespective of country of residence or nationality.
- 4 This is a standard tuition fee for all students irrespective of country of residence or nationality and includes the fees for the Rotunda Hospital. Accommodation costs are not included.



# Alphabetical Index to Postgraduate Courses

## NAMED DEGREE COURSES

Bachelor in Divinity (B.D.)	83
Doctorate in Clinical Psychology (D.Clin.Psych.)	76
Doctor in Education (D.Ed.)	46
Doctorate in Molecular Medicine (M.Sc./Ph.D.)	143
Doctorate in Neuroscience (M.Sc./Ph.D.)	144
Doctorate in Political Science (M.Phil./Ph.D.)	89
Doctorate in Texts, Contexts, Cultures (Ph.D.)	56
Master in Business Administration (M.B.A.)	38
Master in Education (M.Ed.) programmes:	
- Science Education	46
- Educational Guidance and Counselling	46
- Educational Leadership and Management	46
- Special Education	46
- Aggression Studies	46
- Drama in Education	46
- Foundation Studies	46
Master in Engineering (M.A.I.)	116
Master in Engineering (M.A.I.) Recurrent Education	116
Master in Management (M.Sc. (Mgmt.)) programmes:	
- Business Administration	39
- International Business	39
- Management Practice	39
- Organisation Behaviour	40
- Strategic Management	40
Master in Laws (LL.M.)	68
Master in Social Work (M.S.W.)	94
Master of Studies (M.St.)	47

## PROFESSIONAL HIGHER DEGREE PROGRAMMES

Master in Dental Science (M.Dent.Sc.)	140
Doctor in Medicine (M.D.)	145
Master in Obstetrics (M.A.O.)	145
Master in Surgery (M.Ch.)	146

## PROFESSIONAL RESEARCH PROGRAMMES

Doctorate in Dental Surgery (D.Dent.Ch.)	
- Oral Surgery	137
- Orthodontics	137
- Paediatric Dentistry	138
- Periodontics	138
- Prosthodontics	139
- Special Care Dentistry	139

## M.PHIL. COURSES

Anglo-Irish Literature	52
Applied Linguistics	72
Comparative Literature	62
Creative Writing	53
Early Irish	63
Ecumenical Studies	84
English Language Teaching	71
Ethnic and Racial Studies	91
Film Theory and History	42
Gender and Women's Studies	56
German Literature with Language Pedagogy	63
Irish Art History	57
Linguistics	72

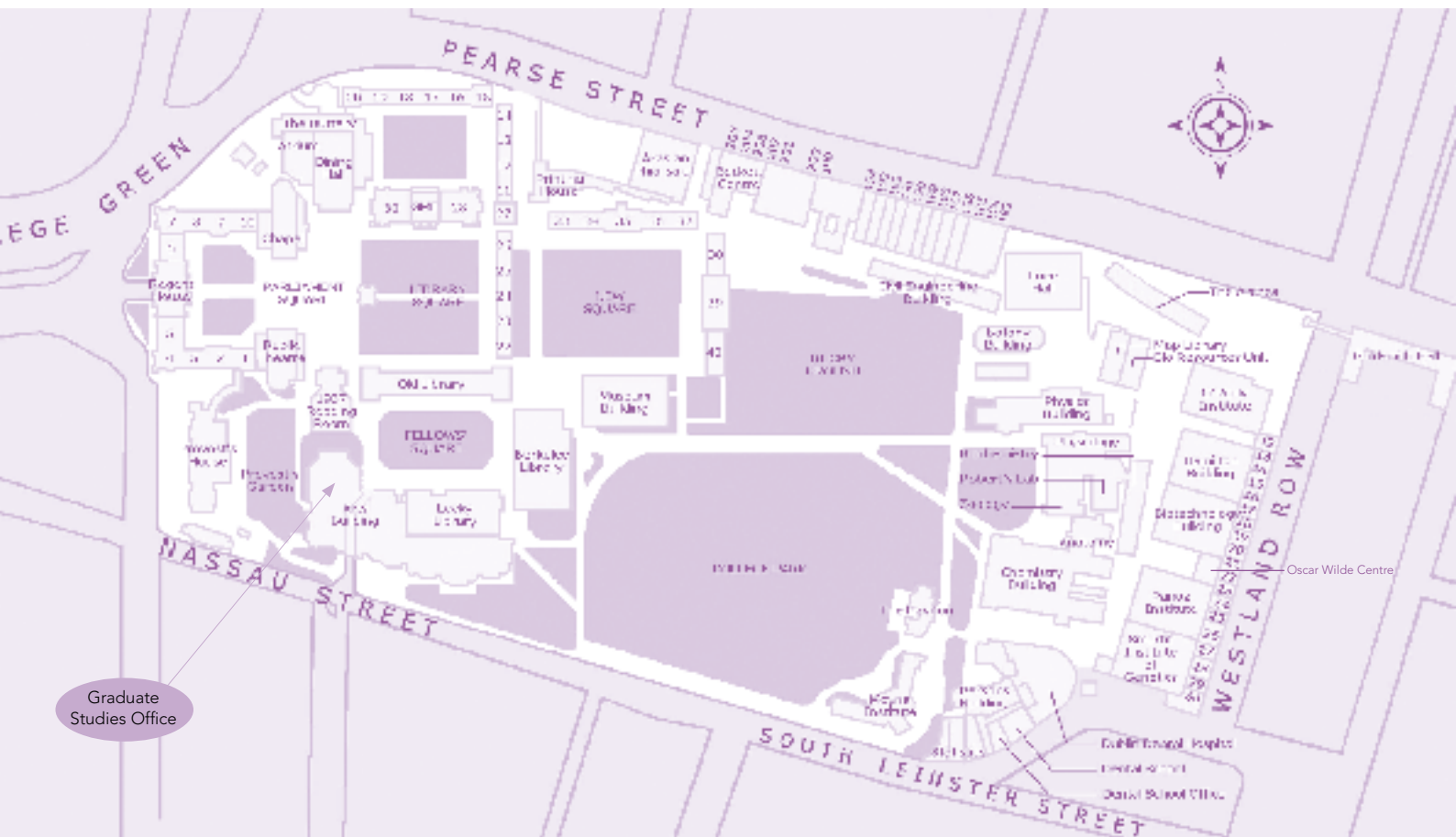


Literary Translation	64	Clinical Supervision (Psychology)	77
Literatures of the Americas	53	Community Pharmacy	178
Medieval History	58	Computer Science (Interactive Entertainment Technology)	106
Medieval Language, Literature and Culture	64	Computer Science (Mobile and Ubiquitous Computing)	107
Modern Irish History	59	Computer Science (Networks and Distributed Systems)	107
Music and Media Technologies	42	Counselling Psychology	78
Peace Studies	85	Drug and Alcohol Policy	96
Popular Literature	54	Economic Policy Studies	90
Psychoanalytic Studies	92	Economics	90
Reconciliation Studies	86	Environmental Sciences	130
Reformation and Enlightenment Studies	60	Exercise Physiology	160
Social Work Research	96	Gerontological Nursing	166
Speech and Language Processing	72	Global Health	148
Textual and Visual Studies	65	Health Informatics	108/149
Theatre and Performance	42	Health Services Management	149
		High Performance Computing	128
		Hospital Pharmacy	176
		Integrated Systems Design	118
		Mammalian Cell Physiology	150
		Management of Information Systems	108
		Mechanical Engineering (Erasmus Mundus)	118
		Medical Imaging	150
		Mental Health	167
		Midwifery	168
		Molecular Medicine	151
		Molecular Pathology	152
		Multimedia Systems	109
		Neuroscience	153
<b>M.SC. COURSES</b>			
Applied Psychology	77		
Applied Social Research	95		
Biodiversity and Conservation	130		
Bioengineering	117		
Cardiac Rehabilitation	146		
Cardiology	147		
Chemical and Biological Techniques	104		
Child and Adolescent Psychoanalytic Psychotherapy	147		
Child Protection and Welfare	95		
Civil Engineering	117		
Clinical Chemistry	148		
Clinical Speech and Language Studies	70		

Nursing	168	Continuing Professional Development	48
Occupational Therapy	153	Education (Secondary level)	49
Paediatrics	154	Environmental Engineering	121
Palliative Care	169	Exercise Physiology	160
Pharmaceutical Analysis	176	Fire Safety Practice (Buildings and other Structures)	121
Pharmaceutical Manufacturing Technology	179	Gynaecology and Obstetrics	161
Pharmaceutical Medicine	154	Health and Safety in Construction	122
Pharmaceutical Technology	178	Health Informatics	111/161
Physical Sciences in Medicine	155	Highway and Geotechnical Engineering	122
Psychoanalytic Psychotherapy	157	Magnetic Resonance Imaging Technology	162
Sports and Exercise Medicine	158	Management	40
Technology and Learning	47/109	Molecular Medicine	162
<b>POSTGRADUATE DIPLOMAS</b>		Music and Media Technologies	43
Applied Behaviour Analysis	79	Nuclear Medicine	163
Applied Building Repair and Conservation	120	Old Irish	66
Child Protection and Welfare	97	Oncological Nursing	171
Clinical Dentistry	140	Pharmaceutical Manufacturing Technology	179
Clinical Engineering (Equipment Management)	158	Pharmaceutical Medicine	164
Clinical Health Sciences Education	170	Physical Planning	123
Clinical Speech and Language Studies (Dysphagia)	73	Project Management	123
Clinical Supervision (Psychology)	80	Specialised Technology	112
Cognitive Psychotherapy	159	Specialist Nursing	171
Community Pharmacy	178	Statistics	112
Computer Science (Mobile and Ubiquitous Computing)	110	<b>HIGHER DIPLOMAS</b>	
Conflict and Dispute Resolution Studies	87	Higher Diploma in Children's Nursing	173
Conscious Sedation in Dentistry	141	Higher Diploma in Education (Primary level)	50
Construction Law and Contract Administration	120	Higher Diploma in Midwifery	174
Continuing Education Programme in Statistics	113	Higher Diploma in Psychology	80



# Map of Campus



Trinity College Dublin also has centres located outside of main campus. These are listed below:

The Adelaide and Meath Hospital, Dublin incorporating the National Children's Hospital (AMNCH), Tallaght, Dublin 24

The Trinity College Enterprise Centre is located on Pearse Street, Dublin 2

The School of Nursing and Midwifery is situated on D'Olier Street (off College Green), Dublin 2

The Trinity Centre for Health Sciences is located in the grounds of St James's Hospital, Dublin 8



