

# *Faculty of Health Sciences*

## *1 GENERAL FACULTY REGULATIONS<sup>1</sup>*

### *Degrees and diplomas*

1 The faculty provides courses leading to the following degrees: Bachelor in Arts (B.A.), see §7 below; Bachelor in Dental Science (B.Dent.Sc.), Bachelor in Dental Technology (B.Dent.Tech.), see II below; Bachelor in Medicine (M.B.), Bachelor in Surgery (B.Ch.), Bachelor in Obstetrics (B.A.O.), Bachelor in Science (Occupational Therapy) (B.Sc. (Cur. Occ.)), Bachelor in Science (Physiotherapy) (B.Sc. (Physio.)), Bachelor in Science (Radiation Therapy) (B.Sc. (Ther. Rad.)), Bachelor in Science (Human Nutrition and Dietetics) (B.Sc. (Hum. Nut.)), see III below; Bachelor in Science (Nursing) (B.Sc. (Cur.)), undergraduate degree in midwifery, Bachelor in Nursing Studies (B.N.S.), Bachelor in Midwifery Studies (B.M.S.), see IV below; Bachelor in Science (Pharmacy) (B.Sc. (Pharm.)), see V below; Master in Dental Surgery (M.Dent.Ch.), Master in Science (M.Sc.) in Biomedical Sciences (intercalated), in Cardiac Rehabilitation, in Cardiology, in Child and Adolescent Psychoanalytic Psychotherapy, in Clinical Chemistry, in Community Pharmacy, in Exercise Physiology, in Gerontological Nursing, in Global Health, in Health Informatics, in Health Services Management, in Hospital Pharmacy, in Mammalian Cell Physiology, in Medical Imaging, in Mental Health, in Midwifery, in Molecular Medicine, in Molecular Pathology, in Neuroscience, in Nursing, in Occupational Therapy, in Paediatrics, in Palliative Care, in Pharmaceutical Analysis, in Pharmaceutical Manufacturing Technology, in Pharmaceutical Medicine, in Pharmaceutical Technology, in Physical Sciences in Medicine, in Psychoanalytic Psychotherapy, in Sports and Exercise Medicine, Doctor in Dental Surgery, Doctor in Philosophy (Ph.D.) in Molecular Medicine, in Neuroscience, see PART 2 OF THE CALENDAR — GRADUATE STUDIES AND HIGHER DEGREES.

The degrees of M.Dent.Sc., M.Ch., M.A.O., M.Sc., Ph.D. and M.D. may be awarded on the basis of research. For regulations see PART 2 OF THE CALENDAR — GRADUATE STUDIES AND HIGHER DEGREES.

The faculty provides undergraduate diploma courses in dental hygiene, dental nursing (see II below), postgraduate diploma courses in clinical dentistry, clinical engineering (equipment management), clinical health sciences education, cognitive psychotherapy, community pharmacy, conscious sedation in dentistry, dental health, exercise physiology, gynaecology and obstetrics, health informatics, magnetic resonance imaging technology, molecular medicine, nuclear medicine, oncological nursing, pharmaceutical analysis, pharmaceutical manufacturing technology, pharmaceutical medicine, pharmaceutical technology, primary health care, specialist nursing and higher diploma courses in children's nursing, midwifery, see PART 2 OF THE CALENDAR — GRADUATE STUDIES AND HIGHER DEGREES.

### *Admission*

2 Applications for admission from E.U. applicants to the courses for these degrees (except for Bachelor in Midwifery Studies, Bachelor in Nursing Studies, and access course (see §4 below) and for higher degrees) should be made to the Central Applications Office (C.A.O.), Tower House, Eglinton Street, Galway. Applicants are referred to the C.A.O. handbook for details of application dates and procedures. Applications for admission from non-E.U. applicants should be made to the Office of International Student Affairs, Trinity College, Dublin 2 by 1 February of year of proposed entry.

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<sup>1</sup>These regulations should be read in conjunction with GENERAL REGULATIONS AND INFORMATION.

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3 Applicants must satisfy the admission requirements of the University, together with any special requirements for entry into particular courses in the faculty; see ADMISSION REQUIREMENTS.

4 Midwives already holding midwifery registration wishing to apply for direct access to the Bachelor in Midwifery Studies degree programme and access course, and nurses already holding general, psychiatric or intellectual disability nurse registration wishing to apply for direct access to the Bachelor in Nursing Studies degree programme and access course should apply to the Admissions Office, Trinity College, Dublin 2 for further details.

### *Physical and mental health*

5 The faculty endeavours to be accessible to all students. There are however certain physical and mental conditions that may preclude the safe practice of a chosen profession.

The Faculty of Health Sciences is responsible for educating and training health care workers who will work in areas requiring serious responsibilities and trust. In the health sciences the interests of the patient take precedence over those of the practitioner.

Students with a chronic disability or psychiatric condition are advised to seek appropriate medical advice and advice from the head of the school or the director of their chosen course, before registration.

### *Garda vetting*

6 Students in dental science, dental hygiene, dental nursing, medicine, midwifery and nursing are required to undergo Garda vetting procedures. If, as a result of the outcome of the Garda vetting procedures, a student is deemed unsuitable to attend clinical placements, he/she may be required to withdraw from his/her course. Further details and procedures are available from the Admissions Office and from relevant school offices.

### *Requirements for the B.A. degree*

7 Students of dental science or medicine may have the ordinary B.A. degree conferred at the Autumn Commencements following the satisfactory completion of their third year, or at the Commencements at which their professional degree is conferred. Students of occupational therapy, physiotherapy, radiation therapy, midwifery, nursing or human nutrition and dietetics who have been successful in their third year of study may be permitted to graduate with the ordinary B.A. degree if they choose not to complete the degree course. Students of occupational therapy, physiotherapy, radiation therapy, midwifery, nursing or human nutrition and dietetics who have been unsuccessful in the examinations of the Senior Sophister year of the B.Sc. degree may nevertheless be allowed the ordinary B.A. degree on their answering in the Senior Sophister examination, provided that a special recommendation to that effect is made by the court of examiners. Except by permission of the University Council, on the recommendation of the appropriate executive committee, the ordinary degree of B.A. may be conferred only on candidates who have spent at least three years in the University. The ordinary B.A. degree does not carry a license to practise within any of the professional disciplines of occupational therapy, physiotherapy, radiation therapy, midwifery, nursing or human nutrition and dietetics. Nor does it lead to registration with An Bord Altranais in the case of midwifery and nursing students.

### *Credit for courses*

8 Students should attend lectures regularly and are required to attend practical classes, tutorials, clinics and demonstrations. Students may be required to sign-in for certain activities, as deemed appropriate by the relevant school. When students are absent through illness, a medical certificate should be sent to the appropriate school office at the time of the illness, or immediately afterwards. Students studying physiotherapy and radiation therapy should send the medical certificate to the course director. Students should refer to the requirements on attendance under GENERAL REGULATIONS AND INFORMATION.

*Transference from professional courses*

9 Students may apply through their tutor, using the standard form available, to the Senior Lecturer, for permission to transfer to another course; see GENERAL REGULATIONS AND INFORMATION.

*Foundation scholarship*

10 Students intending to present themselves for this examination should see FOUNDATION SCHOLARSHIPS.

*Gold medals and prizes*

11 Gold medals are awarded by the Board to candidates who have passed with an overall first class at the final examination and who have shown exceptional merit. For prizes in the faculty see PRIZES AND OTHER AWARDS (see also MISCELLANEOUS AWARDS).

At the annual examinations a book prize (value €32) is awarded to each candidate obtaining an overall first class honors grade. These prizes are not awarded in the final year.

Book prizes must be claimed in the Examinations Office, West Theatre, by the award holder in person. These prizes are issued in the form of vouchers which can be exchanged by the students at designated booksellers.

*Change of address*

12 Students are required to notify the relevant school or department office of any change of home or Dublin address. They must also notify the Student Records Office within one week.

*New regulations*

13 New regulations and course revisions are introduced only after due notice, but when introduced are binding upon all students.

*II SCHOOL OF DENTAL SCIENCE*

*Fees*

1 See COLLEGE CHARGES.

*Abridgement of course*

2 Subject to there being vacancies, exemption from the first dental year may be granted to applicants who possess a registrable medical qualification. Applications should be made to the Admissions Office.

*Exclusion of students*

3 Notwithstanding the provisions of any other regulation, exclusion from the course may be recommended to the University Council at any stage in respect of any student whose progress or performance is unsatisfactory or to the Board of Trinity College in respect of any student whose conduct is unsatisfactory. Students are advised to note those sections of the course booklets (see S.5) concerning health and conduct.

Students should note that the teaching hospitals also have regulations governing the conduct and care and protection of patients. Hospitals have the right to suspend and exclude students. In the event of a teaching hospital suspending or excluding a student it will not be possible for students to continue their programme in the Dental School.

*Moderatorship for dental students*

4 Dental students may be permitted to present for a moderatorship in science in an approved subject of the course. Application must be made by the last day of Trinity teaching term to the Faculty of Science and the School of Dental Science. Approval will only be given to candidates with

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good performances in the Senior Freshman and Junior Sophister years and will be subject to their acceptance by the head of the school or department concerned. Evidence must be presented of satisfactory performance in the course work and examinations of the Senior Freshman and Junior Sophister years.

Biochemistry with cell biology, biochemistry with immunology, biochemistry with structural biology, microbiology, molecular medicine, neuroscience and physiology are approved subjects for moderatorship; see FACULTY OF SCIENCE.

### *Courses*

5 A detailed book setting out the teaching programme including the aims and objectives and course assessments will be made available electronically through the Dental School.

The teaching programme is delivered by way of problem-based learning in all years.

Amendments to the teaching programme shall become effective only after approval by the school executive and inclusion in the school copy of the teaching programme.

### *Entry to courses*

6 All students entering the school are provided at registration with a copy of the faculty and school regulations.

In addition, a detailed handbook setting out the course and assessment details for each year is provided to students at the start of each academic year.

### *Examinations*

7 In order to obtain credit for each year students are required to obtain a pass level in their cumulative written assessment, to have passed their competence tests, to have attended satisfactorily and to have obtained credit for their clinical work.

Assessments are held at the end of each term (see the school's curriculum documents). A number of competences are designated for each year and must be passed before the end of the academic year. Credit must also be obtained by students for their patient clinical activity before the end of each academic year.

- (i) Where students fail to obtain credit for the year by passing the required examinations, competence tests and clinical work, they will be required to pass a supplemental examination in September in the subject(s) in which they have failed and to have obtained credit in their competence tests and clinical work before the beginning of the next academic year.
- (ii) There are two yearly examination sessions, annual and supplemental. Students who are unable to complete their examination at the annual or supplemental session may be given permission to repeat the year.
- (iii) Special consideration will be given to students whose failure to obtain credit for the year (either because of failing or of not completing the required examinations and clinical assessments) resulted from exceptional circumstances or illness during the year, and who feel that revision work during the long vacation will not provide adequate compensation for the class work missed during the year. Students in this category should explain their position to the Dean of Dental Affairs as soon as possible but *not later than the end of June*, and should apply to repeat the year. Having considered the evidence and consulted the heads of division, the Dean of Dental Affairs may grant the students permission to absent themselves from the supplemental examinations and allow them to repeat the year.

### *Repetition of year*

8 Provided that a serious attempt has been made at annual and supplemental examinations, students will be permitted to repeat their year. However, students may not repeat any academic year

more than once and may not repeat more than two academic years of the course. Students will not however be permitted to repeat both first and second years.

*Precautions against infectious diseases*

9 In the interests of reducing the risk of the transmission of infectious disease from patients to students, or student to patient, all new entrants must attend their regular medical practitioner prior to registration to certify their vaccination status or immunity to tuberculosis, measles, rubella and chickenpox.

10 Students in dental science and dental hygiene must produce a negative hepatitis B virus infection result (i.e. negative HBsAg or in the presence of a positive HBsAg, negative HBeAg and negative HBV-DNA where applicable) and a negative hepatitis C antibody test (and if positive a negative PCR test for hepatitis C RNA) carried out not more than six months prior to entry, before being permitted to register with the College. Overseas applicants are advised to undergo testing in their home country and to forward the result to the Dental School Office as soon as possible thereafter. The College reserves the right to retest prior to admission.

11 Students admitted to these courses who are not already deemed to be immune to hepatitis B will be required to undergo a course of vaccination. Details of vaccination programmes may be obtained on request from the Dental School Office, Trinity College, Dublin 2.

12 Student dental nurses and student dental technicians will not be permitted to commence practical clinical experience until they have completed the course of vaccination.

Counselling for applicants who test positive for chronic carriage of hepatitis B or hepatitis C virus can be arranged through the College Health Service. Applicants for courses who are chronic viral carriers and successfully undergo treatment, which renders them no longer an infectious risk to patients, may then reapply for admission to their chosen course. All efforts will be made to reserve a place on the forthcoming student intake for such individuals.

13 If Irish law, or official guidance, changes between the date of publication of this documentation and the date of registration of new applicants to these courses, the School of Dental Science reserves the right to require that the criteria adopted in relation to the ability to practise clinically in Ireland be satisfied before registration is permitted.

All costs associated with tests for infectious diseases and vaccination must be met by the student.

14 Registered students in dental science, dental hygiene, dental nursing, and dental technology must remain free of any life threatening infectious condition that could be transmitted to a patient or fellow health worker. Such conditions include HIV, hepatitis B, hepatitis C, pulmonary tuberculosis, chickenpox and measles. In the event of a student becoming aware of such a condition they should consult their medical advisor. In addition students must advise the Dental School and shall refrain from further patient contact until cleared medically.

*Clinical attendance*

15 Students are required to attend courses and clinical instruction for up to forty-two weeks. Two weeks vacation will be given at Christmas and at Easter and a six-week vacation period will be given during the summer. Students are advised to note those sections of the course booklets (see S.5) concerning attendance requirements.

**First dental year**

16 The modules in the first dental year are human biology (35 credits), physical sciences (15 credits), introduction to dentistry (5 credits).

17 In order to pass the year a student must achieve a pass grade in the continuous assessment examinations, meet the minimum requirements in specified subjects and have attended satisfactorily.

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The components of each assessment may include any of the following: multiple choice questions, short essays including structured problems and practical elements.

### **Second dental year**

18 The modules in the second dental year are basic dental care (30 credits), human biology (15 credits), microbiology and immunity (5 credits), human diseases (5 credits), public dental health (5 credits).

19 In order to achieve credit for the year students must achieve a pass mark in the continuous assessment examination, must satisfactorily complete the designated clinical competences, must achieve the required credits for patient clinical activity and must have attended satisfactorily.

### **Third dental year**

20 Students cannot begin the work of the third dental year until credit has been obtained for the second year. To obtain credit for the third year, students are required to pass the continuous assessment examinations, to have satisfactorily completed the designated competence tests for the year, to have obtained credit for their patient clinical activity and to have attended satisfactorily.

The course consists of course modules as follows, together with practical and clinical instruction.

Human disease in dentistry (10 credits)

The module comprises general medicine, general surgery, general pathology, dental pharmacology and oral surgery.

Applied dentistry (35 credits)

The module comprises advanced restorative dentistry, prosthodontics, periodontology, dental materials science, special care dentistry, oral diagnosis and treatment and form and function of the masticatory system. The theoretical aspects of this module are taught by way of problem-based learning, supplemented as necessary by additional lectures, tutorials, seminars, laboratory, practical and clinical experience.

Integrated dental care (10 credits)

This module comprises clinical teaching and practice in holistic primary dental care and emergency dental care.

Broad Curriculum (5 credits)

As it is not possible to accommodate substitution across faculties, the School of Dental Science offers a broad curriculum type course consisting of a widely based lecture programme.

21 Students who fail to achieve credit in the course modules by way of continuous assessment will be required to sit supplemental written examinations. Students will not be permitted to enter the fourth dental year until they have obtained credit for the course modules of the third dental year, have passed their competence tests and achieved credit for their patient clinical activity.

### **Fourth dental year**

22 Students cannot begin the work of the fourth dental year until credit has been obtained for the third year. To obtain credit for the fourth year, students are required to pass the continuous assessment and clinical examinations, have satisfactorily completed the designated competence tests for the year, and to have obtained credit for their patient clinical activity.

The course consists of course modules as follows, together with practical and clinical instruction.

Integrated dental care (10 credits)

Restorative dentistry (20 credits)

Child dental health (10 credits)

Oral medicine and oral surgery (15 credits)

Public dental health (5 credits)

**Fifth dental year**

23 Students cannot begin the work of the fifth dental year until credit has been obtained for the fourth year. To obtain credit for the fifth dental year students are required to have satisfactorily completed the dissertation, to have satisfactorily completed the designated competence tests for the year, to have achieved credit for their patient clinical activity, to have attended satisfactorily and to have passed the final dental examination.

Integrated dental care (10 credits)  
 Restorative dentistry (15 credits)  
 Child dental health (5 credits)  
 Oral medicine and surgery (15 credits)  
 Dissertation (15 credits)

*Final dental examination*

24 To be admitted to the final examination students must have passed their competence tests, completed their clinical credit requirements, attended satisfactorily, submitted their dissertation by the end of Michaelmas term, and completed the associated presentation by the end of Hilary term and have achieved the minimum mark in the dissertation. Students who have not completed these requirements will not be admitted to the final examination but may proceed to the supplemental examination once these requirements are completed.

*Sections*

- (i) Public and child dental health
- (ii) Restorative dentistry and periodontology
- (iii) Oral surgery, oral medicine and oral pathology

The final examination comprises of a dissertation to be completed by the end of Hilary term and written and clinical examinations in Trinity term. The written assessments are divided into part A which is an MCQ type assessment and part B which consists of short answer type questions. Clinical examinations are so organised that a student may be examined in each section by an external examiner and will be examined both on patients who have not previously been treated by the student and where possible also on selected patients drawn from those who have been treated by the student; or other appropriate clinical examinations e.g. OSCE.

The final examination is completed in June. A supplemental examination may be held in November.

Candidates will be required to take the final dental examination in Trinity term of the fifth dental year and must pass all three parts of the examination not later than the supplemental examination in the following academic year. Exceptions to this regulation will be made only in the case of illness or other exceptional circumstances.

Candidates presenting for the first time must present in all subjects. Candidates who, at the first attempt, succeed in passing two subjects will be allowed to retain any subject in which they obtain a minimum of 55 per cent and will be required to present in the remaining subject(s) only at the next final dental examination. Should the candidates fail to pass in the remaining subject(s) at the next published final dental examination, either due to failure to present or due to failure to achieve the required standard, they will be required to re-present in all subjects and to attend a prescribed programme of clinical and tutorial sessions. Supplemental examination candidates, i.e. those repeating the final dental examination, are only eligible to be awarded a pass degree and a pass in individual subjects. Where a candidate is ineligible to enter the final dental examination in Trinity term and is permitted to proceed to the supplemental examination, such candidates, with the approval of the court of examiners, may be awarded an honors degree and honors in individual subjects.

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### **DEGREE OF BACHELOR IN DENTAL SCIENCE (B.Dent.Sc.)**

25 The degree of Bachelor in Dental Science (B.Dent.Sc.) is conferred on students who have obtained the B.A. degree, completed the above courses and passed the examinations.

### **DEGREE OF BACHELOR IN DENTAL TECHNOLOGY (B.Dent.Tech.)**

#### *Course and examinations*

26 The course is intended to enable students to acquire the competencies needed to become dental laboratory technicians.

The duration of the course is three years. Students will spend their time in the Dublin Dental Hospital. The third year is a practical year.

Each year of the course has a value of 60 ECTS credits.

The degree will be awarded to students who successfully complete the examinations held at the end of the second year and who submit a satisfactory project on their work in the third year.

#### *Admission*

27 Application for admission from E.U. applicants should be made to the Central Applications Office (C.A.O.), Tower House, Eglinton Street, Galway. Non-E.U. applicants should apply direct to the Admissions Office, West Theatre, Trinity College, Dublin 2. The closing date for applications is 1 February. The minimum entry requirements for the course will be a grade C3 on two ordinary level papers of the Leaving Certificate and four other subjects at a minimum of grade D3 on ordinary level papers which must include mathematics, English and one of the subjects physics, chemistry, physics/chemistry, biology or agricultural science. Applications may also be considered from those who do not satisfy the above requirements but can demonstrate appropriate relevant experience in dental technology.

#### *Fees*

28 See COLLEGE CHARGES.

### **DIPLOMA IN DENTAL HYGIENE**

29 The course is intended to enable students to acquire the competencies necessary to meet the requirements for entry to the Dental Council Register of Dental Hygienists. The role of the hygienist is to improve oral and dental health for individuals as well as for groups in collaboration with and under the supervision of a registered dentist. The dental hygienist works with preventive and therapeutic procedures aimed to prevent and/or control dental caries and periodontal diseases. The dental hygienist plans, implements and evaluates oral health in promotional and educational activities for groups and individuals.

Each year of the course has a value of 60 ECTS credits.

#### *Duration*

30 The duration of the course is two years commencing the first week in October.

#### *Admission*

31 Application for admission from E.U. applicants should be made to the Central Applications Office (C.A.O.), Tower House, Eglinton Street, Galway. Non-E.U. applicants should apply direct to the Admissions Office, West Theatre, Trinity College, Dublin 2. The closing date for applications is 1 February.

#### *Entry requirements*

32 Admission to the course is competitive, will usually involve an interview and is available to those in the following categories:



*(a) Leaving Certificate results containing the following minimum qualifications*

A minimum of grade C3 on two higher level papers of the Leaving Certificate and four other subjects at a minimum grade of D3 on ordinary level papers which must include mathematics, English and one of the subjects physics, chemistry, physics/chemistry, biology or agricultural science.

*(b) Certificate or Diploma in Dental Nursing qualification*

Applicants who hold the Certificate or Diploma in Dental Nursing may be exempt from certain modules in their first year of the course.

*(c) Mature applicants*

Special consideration will be given to those who have:

- working experience in dental nursing following qualification as a dental nurse
- experience in community health, patient care, teaching and communication

*Fees*

33 See COLLEGE CHARGES.

*Courses*

34 The educational and ethical policy of the school stresses disease prevention and a holistic approach to patient care. The curriculum has a modular design and some modules are prerequisites for others. Emphasis is placed on small group interactive learning, design and implementation of community and health promotion projects, and evidence based learning and clinical practice. Students of the various dental professional categories are integrated during their education, thus enhancing the prospect of effective teamwork in their future careers.

**First year**

*Modules*

Infection and immunity  
Delivery of primary care  
Dental and oral pathology  
Masticatory system  
Oral health care and healthy life style  
Practice management and computing  
Delivery of secondary care  
Medical and dental emergencies  
Basic preventive and periodontal care  
Dental public health  
Communications and health education

**Second year**

*Modules*

Human diseases and oral pathology  
Pharmacology and cross infection control  
Clinical prevention for the child and behavioural science  
Periodontology and research methods  
Dental public health  
Communications and health education  
Dental radiography

*Examinations*

35 Students are required to achieve credit for each module of the course before they may be

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awarded the diploma. Some modules are prerequisites for others. The student may not proceed to clinical practice before the basic preventive and periodontal care examination is passed (Hilary term, first year) and the student cannot proceed to the final examination until an appropriate level of patient care is demonstrated (Hilary term, second year). This is assessed by means of competence tests, clinical credits and demonstration of a reasonable level of patient care (management of patient appointments, clinical records, provision of treatment) and of liaison with the referring dentist. Information on courses and examinations will be given to students at the commencement of the course.

### DIPLOMA IN DENTAL NURSING

#### *Course and examinations*

36 The course is intended to enable dental nurse students to acquire the competencies needed in the dental surgery and in the day to day running of a dental practice.

The duration of the course is two years. Students will attend lectures in Trinity College and the Dublin Dental Hospital and will receive their practical training in the Dublin Dental Hospital. In addition students will spend three months gaining practical experience in a general practice or health board clinic.

Each year of the course has a value of 60 ECTS credits.

Registration takes place in October. The diploma will be awarded on the basis of written and clinical examinations as set out in regulations published by the school and satisfactory performance in the summer practical training attachment.

#### *Admission*

37 Application for admission from E.U. applicants should be made to the Central Applications Office (C.A.O.), Tower House, Eglinton Street, Galway. Non-E.U. applicants should apply direct to the Admissions Office, West Theatre, Trinity College, Dublin 2. The closing date for applications is 1 February. The minimum entry requirements for the course will be a grade C3 on two ordinary level papers of the Leaving Certificate and four other subjects at a minimum of grade D3 on ordinary level papers which must include mathematics, English and one of the subjects physics, chemistry, physics/chemistry, biology or agricultural science. Applications may also be considered from those who do not satisfy the above requirements but can demonstrate appropriate relevant experience in dental nursing.

#### *Fees*

38 See COLLEGE CHARGES.

### III SCHOOL OF MEDICINE

#### DEGREES OF BACHELOR IN MEDICINE (M.B.), BACHELOR IN SURGERY (B.Ch.) AND BACHELOR IN OBSTETRICS (B.A.O.)

#### *Professional lectures and clinical instruction*

1 The course consists of five academic years for those students being admitted since 2005-06. Previous students will complete the six-year course. Therefore a combined year comprising of students from the five and six year programmes will rise through each year of the five year programme until completion. For 2007-08 the new third year will be combined with the old fourth year. All students entering the school are provided with a copy of the faculty and school regulations.

2 Notwithstanding the provisions of any other regulation, exclusion from the course may be recommended to the University Council at any stage in respect of any student whose progress or performance is unsatisfactory or to the Board of Trinity College in respect of any student whose

conduct is unsatisfactory. Any student who behaves in an unprofessional manner in relation to their clinical duties will be subject to serious disciplinary procedures, which could result in expulsion.

3 For professional reasons lecture, tutorial, and clinical attendance in all years is compulsory. Students who have not satisfied the school requirements for attendance will be returned to the Senior Lecturer's Office as non-satisfactory, in keeping with the regulations of the University Council.

4 Students are required to familiarise themselves with the requirements of the medical student charter regarding professional standards, behaviour, and conduct towards patients in any clinical setting in which they are placed including hospital and general practice. Please refer to the clinical clerkship booklet.

5 Students on clinical training are required to be informed of and comply with hospital and primary care practice regulations and procedures. Students are reminded of the general regulations in respect of professional behaviour when attending hospital sessions. Failure to comply with expected professional behaviour will have serious consequences including refusal to allow the student to attend hospital (and general practice) clinical sessions by those authorities or the Executive Committee of the School of Medicine.

Ethics teaching takes place in all years of the undergraduate programme and credit for ethics teaching may be incorporated into the assessment of complementary courses such as behavioural science, clinical skills and jurisprudence. Within these courses a small percentage of marks may be allocated for various ethics components including tutorials, project work, essays and presentations etc. In this context students are advised that satisfactory credit in relevant examinations, and in particular medical jurisprudence, is a requirement for admission to the final medical examination.

#### *Fees*

6 See COLLEGE CHARGES.

#### *Moderatorship for medical students*

7 Approval will be given only to candidates with good performances in the course to date and who have completed at least three years of the programme.

Biochemistry with cell biology, biochemistry with immunology, biochemistry with structural biology, microbiology, molecular medicine, neuroscience and physiology are approved subjects for moderatorship. Other subjects may become available.

To be accepted for a one year moderatorship applicants must normally have:

- (i) obtained a minimum mark of 60 per cent for the final examinations in the subject for which the application is being submitted;
- (ii) obtained an overall average mark of not less than 55 per cent in the assessments for each year in the course to date;
- (iii) risen with their year at the end of each year of the course so far completed, without having repeated any year of the course.

#### *Repetition of courses and examinations*

8 Provided that an attempt has been made at annual and supplemental examinations, and that attendance has been satisfactory, students will be permitted to repeat their year. Only in exceptional circumstances will they be allowed to repeat their first medical year of the new curriculum. Students may not repeat any academic year more than once and may not repeat more than two academic years of their course. Students will not however be permitted to repeat both first and second years. In a repeated year credit will not be given for any subject or subjects passed in a previous year unless it is specifically recommended following appeal by the student to the court of first appeal.

#### *Precautions against infectious diseases*

9 In the interests of reducing the risk of the transmission of infectious disease from patients to

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students, or student to patient, all new entrants must attend their regular medical practitioner prior to registration to certify their vaccination status or immunity to tuberculosis, measles, rubella and chickenpox.

10 Students in medicine must produce a negative hepatitis B virus infection result (i.e. negative HBsAg or in the presence of a positive HBsAg, negative HBeAg and negative HBV-DNA where applicable) and a negative hepatitis C antibody test (and if positive a negative PCR test for hepatitis C RNA) carried out not more than six months prior to entry, before being permitted to register with the College. Overseas applicants are advised to undergo testing in their home country and to forward the result to the School of Medicine Office as soon as possible thereafter. The School of Medicine reserves the right to retest prior to admission.

11 Students admitted to this course who are not already deemed to be immune to hepatitis B will be required to undergo a course of vaccination. Details of vaccination programmes may be obtained on request from the School of Medicine Office, Trinity College, Dublin 2.

12 Counselling for applicants who test positive for chronic carriage of hepatitis B or hepatitis C virus can be arranged through the College Health Service. Applicants who are chronic viral carriers and successfully undergo treatment, which renders them no longer an infectious risk to patients, may then reapply for admission to the course. All efforts will be made to reserve a place on the forthcoming student intake for such individuals.

13 If Irish law, or official guidance, changes between the date of publication of this documentation and the date of registration of new applicants to this course, the School of Medicine reserves the right to require that the criteria adopted in relation to the ability to practise clinically in Ireland be satisfied before registration is permitted.

All costs associated with tests for infectious diseases and vaccination must be met by the student.

14 Registered students in medicine, must be free of any life threatening infectious condition that could be transmitted to a patient or fellow health worker. Such conditions include hepatitis B, hepatitis C, pulmonary tuberculosis, chickenpox and measles. In the event of a student becoming aware of such a condition they should consult their medical advisor to confirm they are not contagious. If they are contagious they should obtain a medical certificate confirming the diagnosis and should refrain from patient contact until cleared medically.

15 At the start of every academic year, each student in the school receives written advice and guidance on matters relating to health e.g. in regard to hepatitis B and hepatitis C, tuberculosis and rubella.

## First medical year

### *Subjects of study*

16 The first medical year comprises three modules: (1) *Human form and function* (30 credits), (2) *Human development and behavioural sciences* (15 credits) and (3) *Evolution and life* (15 credits). The subjects which contribute to these modules are: physics, biology, chemistry, anatomy, biochemistry, behavioural science, ethics, medical gerontology, life-skills, paediatrics, physiology, psychology, public health and primary care and sociology. Detailed information is given in the student guidebook for the year.

### *Credit for the first medical year examinations*

17 During the first medical year students are examined in all modules. The end of year mark is the sum of the three term assessments and the continuous assessment. The pass mark for the year in each module is 50 per cent. Students who achieve an end of year mark for a module between 45 and 50 per cent will be required to attend an oral examination with an examiner who may be drawn from any or from all the following disciplines: anatomy, biochemistry, physiology, public health and primary

care and psychology. Intermodular compensation may be sanctioned by the relevant court of examiners meeting in particular circumstances (see student guidebook). Distinctions are awarded on a modular basis to any student who is judged to have performed to an exceptional level, subject to an oral examination. Distinctions are not awarded on the basis of results obtained in supplemental examinations. Detailed information is given in the student guidebook for the year. Supplemental examinations are held in September.

18 Students who are prevented by illness and/or exceptional circumstances from completing their examinations and present a medical certificate, documentation and evidence to this effect in accordance with College regulations may be permitted to sit the relevant supplemental examination(s).

### **Second medical year**

#### *Admission*

19 In order to enter the second medical year students must have obtained credit for the first medical year or have satisfied admission requirements by the standard that has been achieved in another appropriate course. The course extends from the beginning of October until the end of June.

#### *Subjects of study*

20 There are four modules in the second medical year which accrue 60 credits in total. These are (1) *Molecular medicine*, (2) *Neurosciences*, (3) *Aetiology, mechanisms and management of disease* and (4) *Clinical skills*. The wide range of disciplines involved in these modules include the following: anatomy, biochemistry, communication, ethics and law, genetics, geriatrics, haematology, immunology, medicine, microbiology, paediatrics, pathology, pharmacology and therapeutics, physiology, psychology, psychiatry and surgery. This list is indicative and not exhaustive. Behavioural science and communication teaching takes place in the undergraduate programme and credit for these subjects may be incorporated into the assessment of complementary courses such as clinical skills, professionalism and clinical attachments. Within these courses a small percentage of marks may be allocated for various behavioural science and communication components including tutorials, project work, essays and presentations etc.

#### *Credit for the second medical year examinations*

21 During the second medical year students are examined in all modules. Written and/or practical assessments will take place as appropriate. The pass mark for written assessments is 50 per cent. Credit obtained in *Aetiology, mechanisms and management of disease* will be carried forward into the next year. Supplemental written examinations and clinical skills assessment will be held in August or September.

Students who fail to complete their clinical skills satisfactorily in the normal time or in the additional time granted will be required to repeat the year.

#### *Clinical course*

22 Students on clinical training are required to be informed of and comply with hospital and primary care practice regulations and procedures.

### **New third medical year (old fourth medical year)**

#### *Admission*

23 In order to enter the third medical year (old fourth medical year), students must have obtained credit for the previous year or have satisfied admission requirements.

#### *Clinical courses*

24 The third medical year (old fourth medical year) begins on the Monday of the first week in

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September and extends to the end of June. Students must attend hospital continuously in order to meet the requirements for entry to the final medical examination. There is a summer vacation of one month taken in July or August, with a break at Christmas. Credit for clinical elective experience in either July or August may be obtained in one of the following units:

- A general hospital in this country or abroad
- An overseas medical centre
- A laboratory (either research or service)
- A clinical research unit
- A general practice

Planned elective experience should be approved by the school in advance.

Students who have not made satisfactory progress in clinical attachments should choose to attend a unit, which provides opportunity for improving their clinical skills.

25 Students attend the general hospitals on a clinical attachment programme. An assessment is made at the end of each attachment, and at other times if necessary, on the attendance and work of each student. Credit for hospital attendance is withheld from any student whose assessment is unfavourable. Students attend lectures, practicals and tutorials as required by detailed information given in the relevant study guide. During the third medical year (old fourth medical year) students are required to spend a prescribed number of hours on the *Evidence based medicine* module.

26

### *Subjects of study*

- Pathology
- Microbiology, immunology and the epidemiology of infectious diseases
- Pharmacology and therapeutics
- Medicine
- Surgery
- Evidence based medicine
- Medical gerontology

### *Third medical year (old fourth medical year) examination*

#### *Subjects*

27 During the third medical year (old fourth medical year) students are examined at the end of each term. Assessment formats will include written papers, laboratory and clinical competences. The examination in May will have a small written component but will largely consist of a multi-station, multidisciplinary objective structured clinical examination (OSCE) which may include any material covered in the year and will contribute 10 per cent to the final year examination in medicine and surgery. Students who fail will be required to sit a supplemental examination. Students will also be required to complete an assignment as part of the *Psychology applied to medicine* module. Marks for this assignment will also contribute both to the end of term assessment and to the final medical examination as part of those marks allocated for psychiatry. The end of year mark will be the sum of the assessments. The *Evidence based medicine* module will also be assessed.

28 Students on clinical training are required to be informed of and comply with hospital and primary care practice regulations and procedures.

## **Fifth medical year**

### *Admission*

29 In order to enter the fifth medical year students must have obtained credit for the previous medical year. Students are reminded of the requirement for acceptable professional behaviour in teaching hospitals, general practice and other clinical settings.

*Clinical course*

30 The fifth medical year begins on the Monday of the first week in September and extends until the end of June.

The main feature of this year is the rotational programme. Each student undertakes the following subjects of study:

Medicine/Surgery  
Paediatrics  
Psychiatry  
Obstetrics and gynaecology  
Public health and primary care  
Ophthalmology/ENT  
Jurisprudence  
Ethics

As part of curricular reform courses may be modified.

The class is divided into groups and the system is determined by the School of Medicine. Students attend lectures during this year according to the timetable provided.

*Final medical examination, part I**Public health and primary care; medical jurisprudence*

31 Students are admitted to the final medical examination in medical jurisprudence during the fifth medical year, provided they have obtained attendance credit for the courses in this subject. A supplemental examination is held before the beginning of the following final medical year. Continuous assessment will be carried out during the fifth medical year. Students are admitted to the final medical examination at the end of their rotation in public health and primary care, provided they have obtained credit for the courses in this subject.

**Sixth medical year***Admission*

32 In order to enter the sixth medical year, students must have obtained credit for the courses of the previous medical year. Students who complete their public health and primary care rotation in the fifth medical year are admitted to the final medical examination at the end of their rotation in public health and primary care, provided they have obtained credit for the courses in this subject. Students are reminded of the requirement for satisfactory completion and appropriate professional behaviour on clinical placements in hospitals and other clinical environments.

33 The sixth medical year begins on the Monday of the first week in September and continues until the final examination.

The main feature of this year is the specialist attachment programme, which is organised jointly by the Departments of Clinical Medicine and Surgery. It extends from the beginning of the last week in November (following the final examination in obstetrics and gynaecology and paediatrics) to the end of the following March when the students begin revision for the final examination in medicine/psychiatry and surgery. Attendance at the specialist attachment programme is mandatory.

34 Clinicopathological conferences and clinical therapeutics conferences are held throughout the year.

35 There is a short revision course in obstetrics and gynaecology in late October. A short revision course in paediatrics is also held during the first two weeks in November.

36 Clinical teaching is augmented by lectures and tutorials as appropriate.

37 Subjects of study include general medicine, general surgery, related sub-specialities: paediatrics, psychiatry, obstetrics and gynaecology.

II Obstetrics and gynaecology

III (a) Medicine/psychiatry (including therapeutics); (b) Paediatrics

IV Surgery (including ophthalmology and diseases of the ear, nose and throat)

The assessment in ophthalmology and diseases of the ear, nose and throat (parts of the surgery examination) are held in the previous medical year and together account for 10 per cent of the total marks in surgery. The examinations in obstetrics and gynaecology (part II) and in paediatrics (section (b) of part III of the examination) are held in Michaelmas term of the final year.

Parts III (a) and IV (excluding ophthalmology and diseases of the ear, nose and throat) are held in Trinity term of the final year. Details will be provided in the student guidebook.

Prior examination and assessment marks are held at various stages during the clinical teaching programme, the marks are carried forward for inclusion in the final examination parts II, III and IV. These examinations and assessments are based on the attachments during the final three medical years.

There will be written and practical examinations in each of the major subjects. Students must pass the clinical segment of each examination and obtain an overall pass mark in each subject. Students who fail the clinical segment of the examination in any subject will be required to repeat that subject, even if they have passed the written component, unless the board of examiners is satisfied as to their overall ability to act competently as doctors, having taken into consideration their performance in the clinical segments of the other subjects.

To obtain a pass with overall second class honors, a candidate must achieve 60 per cent or above in three of the four parts of the final examination in part II, part III (a), part III (b) and part IV and at least 55 per cent in the fourth subject and, in addition, the board of examiners must decide that the candidate had a satisfactory performance in part I. Overall first class honors are awarded to candidates who achieve 70 per cent or above in three of the four parts of the final examination and at least 65 per cent in the fourth subject and whose performance in part I satisfies the board of examiners. To be eligible for overall honors, students must have obtained credit for all parts of the final examination by the end of Trinity term of the sixth medical year.

To obtain a pass with honors in an individual subject, a candidate must achieve 60 per cent or above in the subject in question. Honors are awarded in obstetrics and gynaecology, in medicine/psychiatry, in paediatrics and in surgery. First class honors are awarded for 70 per cent or over. Second class honors are awarded for 60 per cent or over. Honors in individual subjects are not awarded on the basis of results obtained in repeat examinations (including supplementals).

Gold medals are awarded by the Board of the College to candidates who have passed with overall first class honors and who have shown exceptional merit.

Honors marks are awarded as follows: first class honors 70 per cent or greater, second class honors 60-69 per cent, pass 50-59 per cent, fail 0-49 per cent.

#### Admission

39 Students must have successfully completed clinical training of at least three years' duration before being admitted to the clinical part of the final examinations in obstetrics and gynaecology, medicine/psychiatry (including therapeutics), and surgery.

Candidates will be required to take the final examination, parts II, III and IV, at the times set out above and must pass all three parts not later than the supplemental examination in the following year. Students repeating parts of the final examination under this regulation are required to retake only those parts for which they have not yet obtained credit, but see also section (III) below relating to paediatrics. An exception to this regulation will be made only in the case of illness or other exceptional circumstances by special permission of the executive committee of the school.



II OBSTETRICS AND GYNAECOLOGY

40 Students are admitted to the final medical examination in obstetrics and gynaecology on condition that they have satisfied the following requirements:

- (i) have satisfactory attendance at recognised general and special hospitals for not less than twenty-six months;
- (ii) have (a) satisfactory attendance at an approved maternity hospital, (b) satisfactory attendance in the practice of the ante-natal clinics to the satisfaction of the hospital authorities, (c) obtained credit for their cases, (d) satisfactory attendance at a series of demonstrations in clinical gynaecology.

III (a) MEDICINE/PSYCHIATRY (INCLUDING THERAPEUTICS); (b) PAEDIATRICS

41 Students are admitted to the final medical examination in medicine on condition that they have satisfactorily completed the following requirements:

- (i) satisfactory attendance at recognised general and special hospitals for not less than twenty-six months (twenty-one months in relation to paediatrics);
- (ii) satisfactory attendance at hospitals accredited by the school and have satisfactory attendance at six sessions at a recognised clinic for psychiatric out-patients;
- (iii) (a) satisfactory attendance at a course in paediatrics at hospitals accredited by the school and (b) received instruction in neonatal paediatrics;
- (iv) submitted notes on one paediatric case.

To pass part III candidates must obtain 50 per cent in (a) medicine/psychiatry (including therapeutics) and in (b) paediatrics. Candidates who pass (a) or (b) but fail in the other will be re-examined only in the subject(s) in which they have failed.

IV SURGERY (INCLUDING OPHTHALMOLOGY AND DISEASES OF THE EAR, NOSE AND THROAT)

42 Students are admitted to the final examination in surgery on condition that they have satisfactorily completed attendance at an accredited unit for not less than twenty-six months.

*Re-examination*

43 Students who are remitted in parts III or IV of the final examination must, on entering for re-examination, present evidence of regular attendance at clinical instruction subsequent to the date of remission.

44 *Recognised hospitals and units for clinical practice*

St James's Hospital  
 Adelaide and Meath Hospital, Dublin incorporating the National Children's Hospital  
 Beaumont Hospital  
 Limerick Regional General Hospital  
 Mater Misericordiae Hospital  
 Naas General Hospital  
 St Michael's Hospital  
 St Vincent's Hospital  
 Royal Victoria Eye and Ear Hospital  
 Coombe Women's Hospital  
 National Maternity Hospital  
 The Rotunda Hospital  
 Children's Hospital, Temple Street  
 Our Lady's Hospital for Sick Children, Crumlin  
 Central Mental Hospital, Dundrum  
 St Patrick's Hospital

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St Edmundsbury Hospital  
Vergemount Fever Hospital  
Peamount Hospital  
Our Lady's Hospice, Harold's Cross including the New Hospice, Blackrock

### *Degrees*

45 To qualify for the degrees of Bachelor in Medicine (M.B.), Bachelor in Surgery (B.Ch.) and Bachelor in Obstetrics (B.A.O.), students must have completed the prescribed courses of study and passed the final medical examination. Before having their medical degrees conferred on them they must first have qualified for and received the B.A. degree. Both the latter degree and the medical degrees may be conferred at the same Commencements.

46 Testimoniums of degrees are presented to candidates for degrees at Commencements, and are sent as soon as possible after Commencements to candidates who have received degrees *in absentia*.

### *Intern year*

47 Students, on receiving their medical qualifications, are required by law to spend one year of satisfactory service as resident house officers (interns) in an approved hospital or hospitals — six months in medicine and six months in surgery (other specialties subject to Medical Council requirements) — before they can apply for full registration as medical practitioners. Every effort will be made to secure an intern post for students, however there is no guarantee that all students will be offered an intern post.

Once agreed, interns are required to attend and carry out duties efficiently and appropriately, subject to hospital regulations. Any changes must be notified to the School of Medicine.

### *Approved hospitals*

48 A large number of hospitals in Ireland and in Great Britain are approved for the intern year. In addition, many overseas hospitals are suitable and either have been, or may be, approved. Students arranging to spend their intern year in any particular hospital should enquire whether it has been, or is likely to be, approved. The approving body for the purpose is the Medical Council, Portobello Court, Lower Rathmines Road, Dublin 6, to which all such enquiries should be addressed.

### *Registration as a medical practitioner*

#### *Provisional registration*

49 On receiving their medical qualification, students must first register provisionally with the Medical Council, Portobello Court, Lower Rathmines Road, Dublin 6.

Students who wish to spend their intern year or part thereof in Great Britain, Northern Ireland, or overseas, must also register provisionally with the General Medical Council, 178-202 Great Portland Street, London W1N 6JE. To obtain provisional registration with the General Medical Council, the School of Medicine will provide the necessary documentation, as available to the school.

#### *Full registration*

50 Having completed the intern year, an applicant who wishes to become fully registered as a medical practitioner must submit to the School of Medicine certificates of having satisfactorily carried out the required periods of service. In the Republic of Ireland these will be backed up by evaluation of the intern by the intern tutors in each hospital, which will be relayed to the intern co-ordinator in the College. For full registration with the Medical Council, the School of Medicine will supply a certificate of experience for doctors intending to work in Ireland, which is sent directly to the Registrar of the Medical Council.

*Professional lectures and practice education*

51 The course consists of four academic years. During the four years students are required, for professional qualification, to participate in and achieve the requisite level of competence in professional practice education in keeping with the required standards of the World Federation of Occupational Therapists (W.F.O.T.). This practice education will be integrated throughout the course and may involve hours outside the term time and may take place outside Dublin. Students must satisfy health and safety requirements for practice education at all times during the course. Details of all elements of the course, including practice education, will be provided each year in the students' handbook.

Students are required to attend all lectures, practicals, and professional sessions, and to perform the exercises (essays, tutorials or practical work) prescribed for the year. Students must satisfy all practice education course requirements to be allowed rise with the year.

Students who fail to obtain credit for a year of the course, and who are permitted to repeat that year, must comply with all the normal course requirements for the year, and will not, except in exceptional circumstances, be given credit for any subject or subjects already passed.

Notwithstanding the provisions of any other regulation, exclusion from the course may be recommended to the University Council at any stage in respect of any student whose progress or performance is unsatisfactory or to the Board of Trinity College in respect of any student whose conduct is unsatisfactory. Course regulations and details of examinations/markings are provided for every student at the beginning of each academic year.

The ECTS equivalent for each year of the course is 60 credits.

*Fees*

52 See COLLEGE CHARGES.

*Precautions against infectious diseases*

53 In the interests of reducing the risk of the transmission of infectious disease from patients to students, or student to patient, all new entrants must attend their regular medical practitioner prior to registration to certify their vaccination status or immunity to tuberculosis, measles, rubella and chickenpox.

54 A negative hepatitis B test result is not a prerequisite for preregistration for students studying occupational therapy – therefore students do not need to produce a negative hepatitis B s-antigen (HBsAg) and negative anti-hepatitis B core antigen result before registration. After registration and before commencing practice education all students must either demonstrate immunity to hepatitis B to the satisfaction of the College Health Service or undergo a course of vaccination. To demonstrate immunity students will be required to undergo a seroconversion test to determine the effectiveness of their immunity. Depending on the result of this test the College Health Service may require students to undergo a series of booster vaccinations.

55 If Irish law, or official guidance, changes between the date of publication of this documentation and the date of registration of new applicants to this course, the School of Medicine reserves the right to require that the criteria adopted in relation to the ability to practise clinically in Ireland be satisfied before registration is permitted.

All costs associated with tests for infectious diseases and vaccination must be met by the student.

56 Registered students in occupational therapy must be free of any life threatening infectious condition that could be transmitted to a patient or fellow health worker. Such conditions include hepatitis B, hepatitis C, pulmonary tuberculosis, chickenpox and measles. In the event of a student becoming aware of such a condition they should consult their medical advisor to confirm they are not

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contagious. If they are contagious they should obtain a medical certificate confirming the diagnosis and should refrain from patient contact until cleared medically.

57 At the start of every academic year, each student receives written advice and guidance on matters relating to health e.g. in regard to hepatitis B and tuberculosis.

### **First year**

#### *Subjects of study*

58 The subjects of the first year are anatomy and applied anatomy, psychology and applied psychology, professional skills and practice education and the study of occupation (level 1). Practice education will be as specified in the students' handbook.

#### *Examinations*

59 Examinations in anatomy, the study of occupation (level 1) and psychology are taken during the year. Professional skills are assessed continuously by way of specific assignments and performances as detailed in the students' handbook. A *viva* examination in applied anatomy is taken during the Michaelmas term, and a project in applied anatomy is submitted at the beginning of the Trinity term (the marks gained for applied anatomy are included in the overall anatomy marks). An essay in applied psychology is submitted at the end of the Hilary term. The mark gained for applied psychology is included in the overall psychology mark. Compensation may be permitted within the group of anatomy, psychology, and the study of occupation (level 1) for a student who fails one subject, having attained a borderline mark. A borderline mark in anatomy is 45-49 per cent and 35-39 per cent in the other subjects. Supplemental examinations will be held in September. No compensation is allowed in the supplemental examinations.

Students are required to reach a minimum level of competency, measured by continuous assessment, in the various components of the professional skills course. Students are also required to be graded competent in all the practice education assignments for the year to rise with their class.

60 Students who fail a supplemental examination or supplemental practice education will not be permitted to proceed to the second year of the course, but may, in certain circumstances, be permitted to repeat the year.

### **Second year**

61 Students who have obtained credit for the first year of the course may enter the second year.

#### *Subjects of study*

62 The subjects of the second year are medicine and orthopaedics, research methods (level 1), physiology, psychology, psychiatry, the study of occupation (level 2), occupational therapy theories and interventions for adults (level 1), occupational therapy theories and interventions for children (level 1), professional skills and practice education. Practice education will be as specified in the students' handbook.

#### *Examinations*

63 An examination in medicine and orthopaedics is taken at the end of the Michaelmas term, and examinations in psychiatry and physiology are taken at the end of the Hilary term. Research methods (level 1) and psychology are examined at the end of Trinity term. Two term assignments are also required for research methods (level 1). These contribute 30 per cent and the examination 70 per cent to the overall mark for this subject. The study of occupation (level 2) is assessed by way of one term assignment. Continuous assessment of occupational therapy theories and interventions for adults (level 1) constitutes the overall end of year grade for this subject. Compensation is possible within the components of research methods (level 1), study of occupation (level 2) and occupational therapy theories and interventions for adults (level 1). A student failing these subjects, after compensation is

taken into consideration, must take a supplemental examination/assignment in September, covering all aspects of the course. Professional skills are assessed continuously by way of specific assignments and performances as detailed in the students' handbook. Compensation may be permitted within the group of medicine and orthopaedics, research methods (level 1), physiology, psychology, psychiatry, occupational therapy theories and interventions for adults (level 1), and the study of occupation (level 2) for a student who fails in one subject only, having attained a borderline mark in that subject. The borderline mark is 35-39 per cent. Supplemental examinations/assessments will be held in September. No compensation is allowed in the supplemental examinations.

Students are required to reach a minimum level of competency, measured by continuous assessment, in the various components of the professional skills course. Students are also required to be graded competent in all the practice education assignments for the year to rise with their class.

64 Students who fail a supplemental examination or supplemental assignment or supplemental practice education will not be permitted to proceed to the third year of the course, but may, in certain circumstances, be permitted to repeat the year.

### **Third year**

65 Students who have obtained credit for the second year of the course may enter the third year.

#### *Subjects of study*

66 The subjects of the third year are health psychology, occupational therapy theories and interventions for children (level 2), professional skills, evaluative practice (level 1), occupational therapy theories and interventions for adults (level 2), occupational therapy theories and interventions skills for adults, social/health policy, research (level 2), study of occupation (level 3) and practice education.

#### *Examinations*

67 Examinations in occupational therapy theories and interventions for adults (level 2), which include occupational therapy theories and interventions skills for adults, and social/health policy are taken at the end of the Hilary term. Continuous assessment of occupational therapy theories and interventions for adults (level 2) will also contribute towards the end of year grade for this subject. Compensation is permitted between the various assessment components of occupational therapy theories and interventions for adults (level 2). Students are required to submit an assignment in evaluative practice (level 1) on the first working day immediately following their level II.1 placement in the Trinity term of their Junior Sophister year. A student failing occupational therapy theories and interventions for adults (level 2), after compensation is taken into consideration, is required to sit a supplemental examination in September, covering all aspects of this course. Professional skills are assessed continuously by way of specific assignments and performances as detailed in the students' handbook. Occupational therapy theories and interventions for children (level 2) is assessed by way of two term assignments. Health psychology assessment will be by a term essay and class presentation. An assignment for the research course (level 2) must be submitted in week ten of the Hilary term. No compensation is allowed between subjects. Supplemental examinations and/or resubmission of essay(s)/assignments will take place in September. Any student who does not satisfactorily complete supervised practice education will be required to undertake and satisfactorily complete supplemental supervised practice education. A maximum of 40 per cent may be awarded for any passed supplemental examination or resubmitted occupational therapy theories and interventions for children (level 2) project, evaluative practice (level 1) assignment, professional skills project or health psychology essay.

Students are required to reach a minimum level of competency, measured by continuous assessment, in the various components of the professional skills course. Students are also required to be graded competent in all the practice education assignments for the year to rise with their class.

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The various examinations and assessments in occupational therapy theories and interventions for adults (level 2), social/health policy, professional skills, health psychology, evaluative practice (level 1) and occupational therapy theories and interventions for children (level 2) contribute 30 per cent to the final degree marks.

68 Students who fail a supplemental examination/essay/assignment or do not satisfactorily complete the supplemental supervised practice education will not be permitted to proceed to the fourth year of the course, but may, in certain circumstances, be permitted to repeat the year.

### **Fourth year**

69 Students who have obtained credit for the third year of the course may enter the fourth year.

#### *Subjects of study*

70 The first two terms of the fourth year are largely devoted to supervised practice education. The subjects covered in Trinity term are disability studies, occupational therapy theories and interventions for adults (level 3), social policy, evaluative practice (level 2) and study of occupation (level 4). Students are required to submit a research project report (level 3). The research project requires a student to undertake a study involving investigation and evaluation. This written research project is submitted as specified in the students' handbook.

#### *Final examination*

71 To be admitted to the final examination students must have obtained credit for the first, second and third years of the course and have reached a satisfactory level of clinical competence. The written report of the research project must have been submitted as specified in the students' handbook. Students who have not satisfactorily completed the required thirty-two weeks of practice education at the time of the final examination may be permitted to enter for the examination provided that they have satisfactorily completed the equivalent of twenty-two weeks of supervised practice education. Any student who does not satisfactorily complete supervised practice education will be required to undertake and satisfactorily complete supplemental supervised practice education by the time of the supplemental examinations.

The final examination involves five areas: occupational therapy theories and interventions for adults (level 3), social policy, disability studies, the research project and study of occupation (level 4). There are examinations in occupational therapy theories and interventions for adults (level 3) and disability studies in Trinity term. Social policy is examined by essay. A written report, carried out during practice education, is required for the study of occupation (level 4). The research project must be submitted in Hilary term and a *viva* may be required in Trinity term. Two case study assignments also contribute to the overall final mark for occupational therapy theories and interventions for adults (level 3). Compensation is permitted between the case study assignments and the written paper. Students who fail occupational therapy theories and interventions for adults (level 3), after compensation has been taken into consideration, will have to both resit the examination paper in September and resubmit, at the time of the supplemental examinations, two new case study assignments. Apart from the case of occupational therapy theories and interventions for adults (level 3), no compensation is permitted between the various parts of the final examination. Students who fail one or more parts of the written examinations and the assignments in the other four areas will be required to repeat the relevant examination(s) and/or resubmit the relevant assignment(s) at the supplemental examination which is held in September.

72 Students who do not satisfactorily complete the required supplemental supervised practice education may, in certain circumstances, be permitted to repeat the year. Students who fail the supplemental examinations in occupational therapy theories and interventions for adults (level 3), including the resubmitted case study/studies, after compensation has been taken into account, and/or disability studies, or who fail the resubmitted research project or the resubmitted study of occupation

report or the resubmitted social policy essay may, in certain circumstances, be permitted to go 'off books' for a year and retake the examination(s) or resubmit a research project or study of occupation report or social policy essay and both of the case study assignments the following Trinity term as appropriate.

A maximum of 40 per cent may be awarded for any passed supplemental examination or repeat year examination or resubmitted research project or study of occupation report or case study assignments or social policy essay.

The various examinations and assessments in occupational therapy theories and interventions for adults (level 3), social policy, study of occupation, disability studies and the research project contribute 70 per cent to the final degree marks.

*Recognition of practice education settings*

73 Practice education takes place in a variety of settings. Occupational Therapy retains the prerogative of approving those services, which meet requirements both of the College and of the World Federation of Occupational Therapists.

Practice education settings so approved are usually located in Ireland and in the United Kingdom. Students should expect to be placed outside Dublin for a significant segment of their practice education.

Occupational Therapy maintains a system of contact with students whilst they engage in practice education.

DEGREE OF BACHELOR IN SCIENCE (PHYSIOTHERAPY) (B.Sc. (Physio.))

*Professional lectures and clinical practice*

74 The course consists of four academic years.

Clinical practice commences in Trinity term of the second year and continues throughout the third and fourth years.

Students should attend lectures regularly, and are required to attend all practicals and clinical sessions, and to perform the exercises (essays, tutorials or practical work) prescribed for the year.

Students who fail to obtain credit for a year of the course, and who are permitted to repeat that year, must comply with all the normal course requirements for the year, and will not be given credit for any subject or subjects already passed.

Notwithstanding the provisions of any other regulation, exclusion from the course may be recommended to the University Council at any stage in respect of any student whose progress or performance is unsatisfactory or to the Board of Trinity College in respect of any student whose conduct is unsatisfactory.

The degrees of M.Sc. and Ph.D. are awarded on the basis of satisfactory research. For regulations see PART 2 OF THE CALENDAR—GRADUATE STUDIES AND HIGHER DEGREES.

*Fees*

75 See COLLEGE CHARGES.

*Precautions against infectious diseases*

76 In the interests of reducing the risk of the transmission of infectious disease from patients to students, or student to patient, all new entrants must attend their regular medical practitioner prior to registration to certify their vaccination status or immunity to tuberculosis, measles, rubella and chickenpox.

Students studying physiotherapy are also strongly advised to be vaccinated against hepatitis B, if not already immune, for their own protection.

77 If Irish law, or official guidance, changes between the date of publication of this documentation

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and the date of registration of new applicants to this course, the School of Medicine reserves the right to require that the criteria adopted in relation to the ability to practise clinically in Ireland be satisfied before registration is permitted.

All costs associated with tests for infectious diseases and vaccination must be met by the student.

78 Registered students in physiotherapy must be free of any life threatening infectious condition that could be transmitted to a patient or fellow health worker. Such conditions include hepatitis B, hepatitis C, pulmonary tuberculosis, chickenpox and measles. In the event of a student becoming aware of such a condition they should consult their medical advisor to confirm they are not contagious. If they are contagious they should obtain a medical certificate confirming the diagnosis and should refrain from patient contact until cleared medically.

79 At the start of every academic year, each student receives written advice and guidance on matters relating to health e.g. in regard to hepatitis B and tuberculosis.

### **First year**

#### *Subjects of study*

80 The subjects of the first year include anatomy (15 credits), clinical anatomy (10 credits), physics (5 credits), chemistry (5 credits) and physiology (25 credits).

#### *Examinations*

81 The examinations in chemistry, physics, physiology and anatomy are taken at the end of the Trinity term. Examinations in clinical anatomy are held during the Michaelmas, Hilary and Trinity terms. Supplemental examinations are held in September.

82 Students who fail a supplemental examination will not be permitted to proceed to the second year of the course but may, in certain circumstances, be permitted to repeat the year.

### **Second year**

83 Students who have obtained credit for the first year of the course may enter the second year.

#### *Clinical practice*

84 Clinical practice commences in Trinity term of the second year and continues throughout the second, third and fourth years of the course with elective placements in June and/or September.

Students are assigned to recognised hospitals and clinics throughout Ireland. The clinical tutors of the hospitals together with the clinical teachers where appropriate, submit reports to the Practice Education Co-ordinator at the end of each assignment, and at other times if necessary, on the attendance and work of each student. Credit may be withheld for hospital attendance, and hence credit for the year, from students whose reports are unfavourable. During clinical placement there are opportunities for students to attend ward rounds and clinics in as broad a spectrum as possible. Visits to the operating theatres are included. Home visits are made with clinical physiotherapists as appropriate.

To meet the requirements for professional qualification, students must have satisfactorily completed a minimum of one thousand hours of clinical practice.

#### *Subjects of study*

85 The subjects of the second year are anatomy (5 credits); physiotherapy theory and practice I (electrotherapy, biomechanics and movement, exercise therapy) (20 credits); clinical sciences in physiotherapy I (orthopaedics, respiratory I, gerontology I, musculoskeletal I, burns/plastics, pain, pathology) (25 credits); preparation for clinical practice and clinical placement (10 credits).

#### *Examinations*

86 Practical examination of physiotherapy theory and practice I and the practical components of



clinical sciences in physiotherapy I takes place at the end of Hilary term. Examinations in anatomy are held at the end of Hilary term. Written examinations in physiotherapy theory and practice and in clinical sciences in physiotherapy I are held at the end of Trinity term. Preparation for clinical practice and clinical placement is assessed by the clinical appraisal form.

Supplemental examination for the practical assessment examination is held in Trinity term prior to the first clinical placement. Other supplemental examinations are held in September. Students who fail a supplemental examination are not permitted to proceed to the third year of the course but may, in certain circumstances, be permitted to repeat the year. Students who fail the clinical placement in June will be permitted to repeat the placement in September.

### **Third year**

87 Students who have obtained credit for the second year of the course may enter the third year.

#### *Subjects of study*

88 The subjects of the third year are scientific investigation (research methods, statistics, literature review, communication/presentation skills) (15 credits); clinical sciences in physiotherapy II (neurology, musculoskeletal II, respiratory II, gerontology II, orthopaedics, cardiovascular, paediatrics, rheumatology, women's health, oncology/haematology, mental health, learning disability) (30 credits); clinical practice (10 credits); outcome measures and psychology (5 credits).

#### *Examinations*

89 Examinations in theory of physiotherapy and physiotherapy treatment are taken at the end of Trinity term. Two literature reviews (one in Michaelmas term and one in Hilary term) will contribute towards the overall grade granted at the end of the academic year. An assessment in statistics will take place during the year.

Supplemental examinations are held in September. Students who fail a supplemental examination will not be permitted to proceed to the fourth year of the course but may, in certain circumstances, be permitted to repeat the year.

### **Fourth year**

90 Students who have obtained credit for the third year of the course may enter the fourth year.

#### *Subjects of study*

91 The subjects of study in the final year are scientific investigation (research proposal, research assignment) (20 credits); option (5 credits); physiotherapy theory and practice II (ergonomics, exercise therapy II) (5 credits); physiotherapy management and practice and health psychology (health care policy, professional issues, physiotherapy and human rights, global health, community health) (5 credits); clinical sciences in physiotherapy III (musculoskeletal III, gerontology III, paediatrics II) (5 credits); clinical practice (20 credits).

#### *Final examination*

92 The final examination is held at the end of Trinity term and consists of written papers relating to physiotherapy and the specialist option.

The clinical appraisal marks awarded on clinical placement throughout the third and fourth years will contribute towards the final award. In addition the clinical management of a patient will be examined whilst on placement during the final year.

A supplemental examination is held in September.

To be admitted to the final examination, students must have obtained credit for the first, second and third years of the course, and must have achieved the required standard in the continuous assessment of clinical practice and must have submitted the written reports of the research assignments by specified dates.

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Students who have not satisfactorily completed the required one thousand hours of clinical practice at the time of the final examination, may be permitted to enter for the examination, and if the court of examiners so agrees, a conditional result may be recorded, subject to the satisfactory completion of clinical practice within a time limit set by the examiners.

### 93 *Recognised hospitals and units for clinical practice*

Adelaide and Meath Hospital, Dublin incorporating the National Children's Hospital	Cappagh Hospital Cavan General Hospital St Joseph's Rehabilitation Unit, Harold's Cross Central Remedial Clinic
St James's Hospital	Scoil Mochua
Our Lady's Hospital for Sick Children, Crumlin	Tullamore General Hospital National Rehabilitation Hospital
Beaumont Hospital	
The Royal Hospital, Donnybrook	

Students may be assigned to hospitals/units other than those listed above.

## DEGREE OF BACHELOR IN SCIENCE (RADIATION THERAPY) (B.Sc. (Ther. Rad.))<sup>2</sup>

### *Regulations<sup>3</sup>*

94 A full-time four-year course of honor standard leading to a degree of Bachelor in Science in Radiation Therapy.

95 Clinical practice will take place during the vacations in all four years of the programme. In first year this will comprise approximately four weeks during the summer vacation. Some clinical teaching will take place outside normal working hours. In third and fourth year clinical placement will be scheduled during all vacation periods. Students will be placed outside of the Dublin area for clinical practice. Associated costs shall be borne by the student.

96 Students are required to register at the beginning of the course with the Professional Body in respect of the professional component of the degree.

### *Fees*

97 See COLLEGE CHARGES.

### *Precautions against infectious diseases*

98 In the interests of reducing the risk of the transmission of infectious disease from patients to students, or student to patient, all new entrants must attend their regular medical practitioner prior to registration to certify their vaccination status or immunity to tuberculosis, measles, rubella and chickenpox.

99 A negative hepatitis B test result is not a prerequisite for preregistration for students studying radiation therapy – therefore students do not need to produce a negative hepatitis B s-antigen (HBsAg) and negative anti-hepatitis B core antigen result before registration. After registration and before commencing clinical placements all students must either demonstrate immunity to hepatitis B to the satisfaction of the College Health Service or undergo a course of vaccination. To demonstrate immunity students will be required to undergo a seroconversion test to determine the effectiveness of their immunity. Depending on the result of this test the College Health Service may require students to undergo a series of booster vaccinations. Students must also demonstrate immunity to tuberculosis.

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<sup>2</sup>The curriculum is currently under review and is likely to change in the 2007-08 academic year.

<sup>3</sup>These regulations should be read in conjunction with GENERAL REGULATIONS AND INFORMATION.

100 If Irish law, or official guidance, changes between the date of publication of this documentation and the date of registration of new applicants to this course, the School of Medicine reserves the right to require that the criteria adopted in relation to the ability to practise clinically in Ireland be satisfied before registration is permitted.

All costs associated with tests for infectious diseases and vaccination must be met by the student.

101 Registered students in radiation therapy must be free of any life threatening infectious condition that could be transmitted to a patient or fellow health worker. Such conditions include hepatitis B, hepatitis C, pulmonary tuberculosis, chickenpox and measles. In the event of a student becoming aware of such a condition they should consult their medical advisor to confirm they are not contagious. If they are contagious they should obtain a medical certificate confirming the diagnosis and should refrain from patient contact until cleared medically.

102 At the start of every academic year, each student in the course receives written advice and guidance on matters relating to health e.g. in regard to hepatitis B and tuberculosis. Students attending for clinical placement are required to be vaccinated against hepatitis B and to demonstrate immunity to tuberculosis.

#### *Academic progress*

103 A limited number of candidates, with appropriate experience, may be excused from courses and examinations in the Junior Freshman year. This is not applicable to school leavers.

104 Students must attend lectures regularly and are required to attend all practical and clinically related sessions and perform and submit the exercises (essays, assignments, tutorials or practical work) prescribed for the year. Details on assessment will be made available to students at the beginning of the academic year.

105 Clinical competence is central to this degree and therefore attendance on clinical placement is mandatory. Professional ethics and standards of conduct in relation to clinical practice will be detailed and written instructions will be given to each student. Strict adherence to standards of conduct and ethics during clinical practice must be observed at all times. Students will be required to sign a confidentiality agreement.

106 Notwithstanding the provisions of any other regulation, exclusion from the course may be recommended to the University Council at any stage in respect of any student whose progress or performance is unsatisfactory or to the Board of Trinity College in respect of any student whose conduct is unsatisfactory. Any student who behaves in an unprofessional manner in relation to their clinical placement will be subject to serious disciplinary procedures, which could result in expulsion. A student may be required to defer clinical practice if the course director, on the recommendation of the clinical tutor, deems such a deferral necessary on professional grounds.

107 Final degree award is based on performance in both Sophister years.

#### *Examinations*

108 Annual examinations are held during the weeks following the end of Michaelmas, Hilary and Trinity teaching terms. The Senior Freshman biochemistry examination is held at the beginning of Hilary term. Students who are unsuccessful at the annual examinations will be required to present themselves at a supplemental examination before the beginning of Michaelmas teaching term. Details of the structure and marking of examinations are made available to students at the beginning of each academic year. Dates of examinations are posted in the office and on the student notice-board.

109 Students are normally required to pass in all subjects and to have completed a satisfactory clinical placement in order to rise with their class.

110 Students failing in one or two subjects will normally be permitted to take a supplemental

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examination in the failed subject(s) only. Students failing in more than two subjects will be required to repeat all subjects at the supplemental examinations.

111 Students who fail to obtain credit for a year of the course and who are permitted by the court of examiners to repeat the year, must comply with all the normal course requirements for the year, and will not be given credit for any subject or subjects already passed. Repetition requires full attendance at lectures and at other academic and practical instruction.

112 Students may not repeat any academic year more than once and may not repeat more than two academic years, except by special permission of the University Council.

113 Students failing to perform satisfactorily during clinical placement may be permitted to repeat the placement during July and August.

### **Junior Freshmen**

#### *Course*

114 *Academic component:* The subjects of the Junior Freshman year are biological principles and properties, chemical principles and properties, physical principles and properties, professional studies and computers and research.

*Clinical practice:* Observation and practice in a recognised clinical setting. Some placement takes place outside term time.

#### *Examination*

115 All Junior Freshman students must present themselves for examination at specified times in all terms. Courses will be assessed by examination and/or in-course assessment. Subjects for examination are as follows:

- Biological principles and properties (10 credits)
- Chemical principles and properties (10 credits)
- Physical principles and properties (10 credits)
- Professional studies (10 credits)
- Computers and research (5 credits)
- Clinical practice (15 credits)

### **Senior Freshmen**

#### *Course*

116 *Academic component:* The subjects of the Senior Freshman year are physics for radiation therapy, biochemistry and human genetics, physiology and histology, anatomy, psychology and communication skills, cancer medicine, statistics and research methodology.

*Clinical practice:* Clinical observation and practice in a recognised clinical setting. This may take place outside term time. Components of the clinical programme will require attendance outside normal working hours.

#### *Examination*

117 All Senior Freshman students must present themselves for examination at specified times in all terms. Courses will be assessed by examination and/or in-course assessment. Subjects for examination are as follows:

- Physics for radiation therapy (10 credits)
- Biochemistry and human genetics (10 credits)
- Physiology and histology (5 credits)
- Anatomy (10 credits)
- Psychology and communication skills (5 credits)

Cancer medicine (5 credits)  
Clinical practice (10 credits)

### Junior Sophisters

#### *Course*

118 *Academic component:* The subjects of the Junior Sophister year are anatomy, cancer medicine, radiobiology, radiotherapy treatment planning, statistics and research methodology.

*Clinical practice:* Sixteen weeks in the radiotherapy department of an approved hospital. This will take place outside term time.

#### *Examination*

119 All Junior Sophister students must present themselves for examination as specified. Courses will be assessed by examination and/or in-course assessment. Subjects for examination are as follows:

Anatomy (5 credits)  
Cancer medicine (20 credits)  
Radiobiology (5 credits)  
Radiotherapy treatment planning (15 credits)  
Statistics and research methodology (5 credits)  
Clinical practice (10 credits)

40 per cent of the Junior Sophister academic grade contributes to the final degree award. Clinical practice assessment in this year will contribute to the final degree award.

### Senior Sophisters

#### *Course*

120 *Academic component:* The subjects of the Senior Sophister year are cancer medicine, simulation, physics and planning, health care management. Students are required to complete a significant piece of independent research, which contributes substantially to the final degree mark.

*Clinical practice:* Twenty weeks in a radiotherapy department of an approved hospital. This will take place outside term time.

#### *Examination*

121 All Senior Sophister students must present themselves for examination at specified times in all terms. Courses will be assessed by examination and/or in-course assessment. Subjects for examination are as follows:

Cancer medicine, simulation, physics and planning (20 credits)  
Health care management (5 credits)  
Project (15 credits)  
Clinical practice (15 credits)

40 per cent of the Junior Sophister academic grade contributes to the final degree award. 60 per cent of the Senior Sophister academic grade contributes to the final degree award.

#### 122 *Recognised hospitals for clinical practice*

St Luke's Hospital  
Cork University Hospital  
University College Hospital, Galway  
Mater Misericordiae Private Hospital  
St Vincent's Private Hospital  
Galway Clinic

**Faculty of Health Sciences**

Limerick Clinic  
St James's Hospital  
Adelaide and Meath Hospital, Dublin incorporating the National Children's Hospital  
Our Lady's Hospital for Sick Children, Crumlin  
Our Lady's Hospice, Harold's Cross  
The Beacon Clinic  
UPMC Whitfield Cancer Centre

DEGREE OF BACHELOR IN SCIENCE (HUMAN NUTRITION AND DIETETICS)  
(B.Sc. (Hum. Nut.))

123 The course is designed to provide an integrated education in the science of nutrition and its application to human health and well-being both at the individual and community level.

124 The course is a full-time course leading to the award of a B.Sc. degree in Human Nutrition and Dietetics (with honors classification) by the University of Dublin and a Diploma in Human Nutrition and Dietetics by the Dublin Institute of Technology. Attendance on the course is required for four and a half years. Graduates will be eligible to apply for posts to work in the clinical setting as professional dietitians.

125 The course is conducted conjointly by the Dublin Institute of Technology and the University of Dublin. For the first two years of the course students will be based in the Dublin Institute of Technology at Kevin Street. For the final two and a half years of the course, students will be based both in the University of Dublin and in the Dublin Institute of Technology at Kevin Street, Dublin 8. This course is currently being reviewed and may be subject to change during the academic year 2007-08.

*Admission*

126 Full details of admission requirements and procedures may be obtained from the Admissions Office, Dublin Institute of Technology, Fitzwilliam House, 30 Upper Pembroke Street, Dublin 2, before 1 February of the intended year of entry.

*Fees*

127 See COLLEGE CHARGES.

*Academic progress*

128 A limited number of applicants for advanced entry may be exempted from the courses and examinations of the Junior Freshman year.

129 Students who fail to obtain credit for a year of the course, and who are permitted by the co-ordinating committee to repeat that year, must comply with all the normal course requirements for the year, and will not be given credit for any subject or subjects already passed.

Students may not repeat any academic year more than once and may not repeat more than two academic years, except by special permission of the University Council.

130 Notwithstanding the provisions of any other regulation of the co-ordinating committee for this course (which is a joint committee with the Dublin Institute of Technology), the co-ordinating committee may recommend to the University Council the exclusion, at any stage, from the course of any student whose progress or performance is unsatisfactory or to the Board of Trinity College the exclusion of any student whose conduct is unsatisfactory.

**Junior Freshmen**

*Subjects of study*

131 The subjects of the Junior Freshman year are mathematics/information technology, physics,

chemistry, biology/physiology, language (optional), communication, and food studies. A practical placement in catering of six weeks' duration will be completed during the summer vacation.

*Examinations*

132 The examinations take place at the end of Trinity term in the subjects of mathematics/information technology, physics, chemistry, biology/physiology, language (optional), communication, and food studies. Continuous assessment and practical laboratory work account for 40 per cent of the annual examinations in each subject.

133 A supplemental examination is held in September. Students who fail the supplemental examination will not be permitted to proceed to the next year of the course but may, in exceptional circumstances, be permitted to repeat the year.

**Senior Freshmen**

*Subjects of study*

134 The subjects of the Senior Freshman year are biostatistics/information technology, biochemistry/clinical chemistry, physiology/immunology, nutrition/dietetics, microbiology, language (optional), communication/behavioural science.

*Examinations*

135 The examinations take place at the end of Trinity term in the subjects of biostatistics/information technology, biochemistry/clinical chemistry, physiology/immunology, nutrition/dietetics, microbiology, language (optional), communication/behavioural science. Continuous assessment and practical laboratory work account for 40 per cent of the annual examinations in each subject.

136 A supplemental examination is held in September. Students who fail the supplemental examination will not be permitted to proceed to the next year of the course but may be permitted to repeat the year.

**Junior Sophisters**

*Subjects of study*

137 The subjects of the Junior Sophister year are nutrition, dietetics, professional competence, food science, communication/behavioural science/management studies. In addition, relevant aspects of medical sciences and medicine are conducted under the supervision of the Department of Clinical Medicine.

*Examinations*

138 The examinations take place at the end of Trinity term in the subjects of nutrition, dietetics, professional competence, food science, communication/behavioural science/management studies, medical science and medicine.

139 A supplemental examination is held in September. Students who fail the supplemental examination will not be permitted to proceed to the next year of the course but may be permitted to repeat the year.

140 The examination results in this year will contribute to the final degree award (200 marks of the final aggregate maximum of 900). If a candidate successfully completes one or more supplemental examinations in this year, results from those subjects will be returned at 50 per cent for the purpose of calculating the degree aggregate results.

*Subjects of study*

141 The subjects of the final year comprise professional studies (including advanced nutrition and dietetics), professional studies and management.

142 A full-time research project of twelve weeks in duration is undertaken, which may be laboratory, hospital, or community based. Opportunities exist for some students to undertake projects abroad in European partner institutions under the ERASMUS scheme.

*Clinical practice*

143 During the year students will spend twenty-six weeks in professional placement-based studies.

*Examinations*

144 Student progress during the practical placements is monitored by continuous assessment. A satisfactory performance in placement-based studies is mandatory. A candidate who receives an unsatisfactory grade in placement-based studies will be required to repeat some or all elements of placement-based studies as determined by the court of examiners. Only one attempt at repeating placement-based studies will be allowed.

145 A hospital-based practical clinical examination in clinical nutrition and dietetics is held at the end of the practical placement programme.

146 The final written examinations take place after the placement-based studies and before the research project. These include examinations in applied nutrition, practice of dietetics, and professional and management studies (including advanced nutrition and dietetics).

147 Each student presents an undergraduate thesis based on his or her research project. Marks attributed to the research project also include an assessment of an oral presentation and defense of the research findings.

148 The examination results in this year will contribute 700 marks of the final aggregate maximum of 900.

**SPECIAL LECTURES**

**MARY LOUISA PRENTICE MONTGOMERY LECTURESHIP IN OPHTHALMOLOGY**

149 This lectureship was founded in 1915 by the bequest of Robert John Montgomery, M.B., F.R.C.S.I. The conditions of tenure (which may be modified from time to time) are that the lecturer is appointed for one year, and is eligible for re-appointment year by year for a period not to exceed five years. The appointment rests, for alternating periods of five years, with Trinity College and the Royal College of Surgeons in Ireland. (The right of appointment rests with Trinity College for the period 2006-10.)

**JOHN MALLET PURSER LECTURESHIP**

150 In June 1930 Miss Sarah H. Purser, R.H.A., presented a sum of £2,000 to establish an annual lecture or lectures on some scientific subject in which her brother, the late Dr John Mallet Purser, had been interested.

A lecturer should be appointed each year, and the nomination of the lecturer and the suggestion of the subject should be made to the Board of the College by a committee comprising the Professors of Physiology, Anatomy and Pathology. All other details are at the discretion of the Board of the College in consultation with this committee.

Dr John Mallet Purser held the King's Professorship of the Institutes of Medicine from 1874 to 1901, and was Regius Professor of Physic from 1917 to 1925. He lectured on physiology, histology and practical anatomy.



FREDERICK PRICE LECTURESHIP

151 In 1946, Frederick W. Price, M.D. (EDIN.), F.R.C.P., presented the sum of £750 to establish a Frederick Price Lectureship in the School of Medicine, Trinity College, with the object of promoting a closer association with the medical faculties of the other universities in Great Britain and Ireland.

A lecturer under this benefaction is appointed biennially.

T.J.D. LANE LECTURESHIP

152 In 1968-9 members of the Meath Hospital and Trinity College raised a fund to commemorate Mr T. J. D. Lane, who had established the Urological Department at the Meath Hospital and who had been lecturer in urology in Trinity College. The purpose of the lectureship is to encourage the development of urology and to provide a stimulus to research in all aspects of the speciality.

The lecturer is appointed annually or at such other intervals as may be agreed by the Meath Hospital and Trinity College jointly on the nomination of a committee representing the hospital and the College.

*IV SCHOOL OF NURSING AND MIDWIFERY*

1 All students are expected to comply with the code of conduct for nursing and midwifery students of the School of Nursing and Midwifery and with the regulations of the College.

*General regulations for practice placements*

2 Students of the School of Nursing and Midwifery are expected, while on practice placements, to comply with the code of conduct for nursing and midwifery students of the School of Nursing and Midwifery, with the disciplinary rules of the health service provider where the placement is located and with the regulations of Trinity College Dublin relating to student conduct (see GENERAL REGULATIONS AND INFORMATION, CONDUCT AND COLLEGE REGULATIONS). When on practice placements students are reminded that the patients' or clients' interests and safety, and their right to confidentiality and privacy take precedence over students' education. Health service providers have the right to refuse a student/students access to their practice areas for educational purposes pending the investigation of or as a result of a breach of the above code, rules or regulations. Where a health service provider has permanently refused a student access to their practice area following full disciplinary procedures, it will not be possible for students to continue their programme in the School of Nursing and Midwifery.

Breaches of the code of conduct, the health service provider disciplinary rules, or the College regulations may result in a temporary or permanent suspension from the practice area, or in expulsion from the programme. Any such breaches will be referred, in the first instance, to the director of the relevant course. If College regulations have been breached, the matter will be reported to the Junior Dean and notified to the Joint Professional Standards Committee for consideration of the implications for the student continuing in practice while the alleged breach of regulations is being investigated. Breaches of the code of conduct and/or the disciplinary rules of the health service provider while on practice placement will be regarded as a breach of College regulations and will be referred to the Joint Professional Standards Committee in the first instance.

In the case where the Joint Professional Standards Committee believes that the sanction or penalty it could impose would be inadequate having regard to the gravity of the offence, they will refer the matter to the Junior Dean. The decision of the Joint Professional Standards Committee or the Junior Dean will be the subject of the normal appeals process.

Students suspended from a practice placement for any period shall be deemed as not completing the requirement for that particular placement and will be required to make up this time during the vacation or before progression onto the next year or completion of the programme.

*Precautions against infectious diseases*

3 Students accepted on to preregistration undergraduate nursing and midwifery programmes in the School of Nursing and Midwifery, prior to the first practice placement, must be immunised against hepatitis B, measles, rubella, tuberculosis and varicella unless immunity as a result of natural infection or previous vaccination has been documented. Screening and vaccination will be organised by the health service provider responsible for the practice area where the student is going on placement. Some health service providers may require students to be screened for additional conditions for example MRSA. Nursing students and midwifery students will not be permitted to commence practical clinical experience until they have completed the course of vaccination.

4 If Irish law, or official guidance, changes between the date of publication of this documentation and the date of registration of new applicants to these courses, the School of Nursing and Midwifery reserves the right to require that the criteria adopted in relation to the ability to practise clinically in Ireland be satisfied before registration is permitted.

5 On the B.Sc. (Cur.) degree programme and the undergraduate degree in midwifery, relevant health service providers are responsible for the nursing and midwifery students' hepatitis B tests and vaccination programme. Costs may however be incurred by students if they do not attend the scheduled vaccination times.

6 Registered students in nursing and midwifery must be free of any life threatening infectious condition that could be transmitted to a patient or fellow health worker. Such conditions include hepatitis B, hepatitis C, pulmonary tuberculosis, chickenpox and measles. In the event of a student becoming aware of such a condition they should consult their medical advisor to confirm they are not contagious. If they are contagious they should obtain a medical certificate confirming the diagnosis and should refrain from patient contact until cleared medically.

DEGREE OF BACHELOR IN SCIENCE (NURSING) (B.Sc. (Cur.))

7 The School of Nursing and Midwifery, in conjunction with St James's Hospital and the Adelaide and Meath Hospital, Dublin incorporating the National Children's Hospital at Tallaght, offers a four-year course in nursing studies leading on successful completion to general nurse registration with An Bord Altranais and a degree in nursing awarded by the University of Dublin.

8 The School of Nursing and Midwifery, in conjunction with the Health Service Executive East Coast Area and the Health Service Executive South Western Area and St Patrick's Hospital, offers a four-year course in psychiatric nursing leading on successful completion to registration with An Bord Altranais as a psychiatric nurse and a degree in nursing awarded by the University of Dublin.

9 The School of Nursing and Midwifery, in conjunction with Stewart's Hospital Services Ltd, Dublin and St Anne's Sisters of Charity of Jesus and Mary (Moore Abbey), Monasterevin, offers a four-year course in intellectual disability nursing leading on successful completion to registration with An Bord Altranais as an intellectual disability nurse and a degree in nursing awarded by the University of Dublin.

10 The School of Nursing and Midwifery, in conjunction with the Adelaide and Meath Hospital, Dublin incorporating the National Children's Hospital at Tallaght, offers a four and a half year course in children's and general nursing leading on successful completion to registration with An Bord Altranais as a children's nurse and a general nurse and a degree in nursing awarded by the University of Dublin.

*Fees*

11 See COLLEGE CHARGES.

*Academic progress*

12 The course consists of four years (four and a half years in the case of children's and general nursing) and involves an integrated programme of practical and theoretical study. Students may not repeat any academic year more than once and may not repeat more than two academic years, except by special permission of the University Council. In the School of Nursing and Midwifery, this regulation also includes years repeated on an off-books, examination-only basis. In order to qualify for the award of the degree, students are required to pass all assessments and professional placements in their entirety within eighteen months from the date on which they first became eligible to present for their Senior Sophister degree examinations. The final year can only be repeated on an off-books, examination-only basis.

For professional reasons attendance at lectures, tutorials and practice placement is compulsory. Attendance at theory classes will be monitored and where a student's attendance is unsatisfactory, the school may request the Senior Lecturer to refuse permission for the student to sit annual examinations. Students who are absent from compulsory training sessions such as manual handling, violence and aggression, first aid, etc. will be permitted to attend a second training session only in exceptional circumstances such as certified illness. Should students fail to attend these training sessions they will be required to arrange and attend approved external training sessions at the students' own expense. Failure to complete these sessions within the correct time-frame may result in students not being able to attend practice placement.

Students are required to attend all laboratory practicals and perform the exercises (examinations, essays, projects, tutorial work and practical work) prescribed for the year. Students must pass both theoretical and practice components in order to rise with the year. On successful completion of the theoretical and practice components of the course students will be awarded a degree in nursing and may register on the appropriate division of the register with An Bord Altranais.

Students who fail to obtain credit for a year of the course, and who are permitted to repeat that year, must comply with all the normal course requirements for the year, and will not be given credit for any subject or subjects already passed; this applies to both theory and practice. Successfully passed specialist placements will be replaced in the repeat year by non-specialist placements.

Notwithstanding the provisions of any other regulation, exclusion from the course may be recommended to the University Council at any stage in respect of any student whose progress or performance is unsatisfactory or to the Board of Trinity College in respect of any student whose conduct is unsatisfactory. School regulations and details of examinations, assessments, subject weightings and marking schemes are provided to students at the beginning of each academic year.

*Subjects of study*

13 The ECTS for each year of the course is 60 credits giving a total of 240 credits (270 for the children's and general nursing course).

**Junior Freshmen****GENERAL NURSING**

Wellness and health promotion; nurse as educator communicator; research for nursing practice; professional issues for nursing; clinical skills; personal and professional development; the scientific basis for nursing; introduction to the main systems of the body; sociology of health and illness; introduction to psychology and health psychology for nurses; introduction to general nursing 1; introduction to general nursing 2; specialist approaches to nursing practice (part 1); practice placement

**PSYCHIATRIC NURSING**

Wellness and health promotion; nurse as educator communicator; research for nursing practice; professional issues for nursing; clinical skills; personal and professional development; the scientific

## **Faculty of Health Sciences**

basis for nursing; introduction to the main systems of the body; sociology of health and illness; introduction to psychology and health psychology for nurses; concepts for psychiatric nursing; introduction to psychiatric/mental health nursing; mental health nursing and acute care; psychotherapeutic skills and mental health nursing; practice placement

### **INTELLECTUAL DISABILITY NURSING**

Wellness and health promotion; nurse as educator communicator; research for nursing practice; professional issues for nursing; clinical skills; personal and professional development; the scientific basis for nursing; introduction to the main systems of the body; sociology of health and illness; introduction to psychology and health psychology for nurses; the lifespan of the person with intellectual disability 1; concepts of intellectual disability 1; holistic understandings of care; approaches to nursing practice 1; practice placement

### **CHILDREN'S AND GENERAL NURSING**

Wellness and health promotion; nurse as educator communicator; research for nursing practice; professional issues for nursing; clinical skills; personal and professional development; the scientific basis for nursing; introduction to the main systems of the body; sociology of health and illness; introduction to psychology and health psychology for nurses; introduction to general nursing 1; introduction to general nursing 2; specialist approaches to nursing practice (part 1); the art and science of children's nursing; the principles of children's nursing for practice placement; practice placement

## **Senior Freshmen**

### **GENERAL NURSING**

Nurse as educator communicator; research for nursing practice; professional issues for nursing; advanced anatomy and physiology; sociology of health and illness; the lifespan approach to health and illness; the principles and practice of general nursing (part 1); the principles and practice of general nursing (part 2); the principles and practice of general nursing (part 3); the principles and practice of general nursing (part 4); specialist approaches to nursing practice (part 2); applied biology: pathophysiology and pharmacology; practice placement

### **PSYCHIATRIC NURSING**

Nurse as educator communicator; research for nursing practice; professional issues for nursing; advanced anatomy and physiology; sociology of health and illness; the lifespan approach to health and illness; mental health nursing: acute and continuing care; psychotherapeutic approaches and mental health nursing; specialist module: child and adolescent mental health and forensic mental health; specialist module: addiction/maternal mental health/intellectual disability/general nursing; applied biology: pathophysiology and pharmacology; practice placement

### **INTELLECTUAL DISABILITY NURSING**

Nurse as educator communicator; research for nursing practice; professional issues for nursing; advanced anatomy and physiology; sociology of health and illness; the lifespan approach to health and illness; the lifespan of the person with intellectual disability 2; concepts of intellectual disability 2; therapeutic interventions for care 1; approaches to nursing practice 2; frameworks for intellectual disability practice 1; applied biology: pathophysiology and pharmacology; practice placement

### **CHILDREN'S AND GENERAL NURSING**

Nurse as educator communicator; research for nursing practice; professional issues for nursing; advanced anatomy and physiology; sociology of health and illness; the lifespan approach to health and illness; the principles and practice of general nursing (part 1); the principles and practice of general nursing (part 2); the principles and practice of general nursing (part 3); the principles and

practice of general nursing (part 4); specialist approaches to nursing practice (part 2); applied biology: pathophysiology and pharmacology; the individual child and family in health and illness: the sick infant/child 1; practice placement

### **Junior Sophisters**

#### GENERAL NURSING

Nurse as educator communicator; research for nursing practice; management and leadership in nursing; advanced anatomy and physiology; sociology of health and illness; growth and development (reflective workshops); the principles and practice of general nursing (part 4); the principles and practice of general nursing (part 5); the principles and practice of general nursing (part 6); applied biology: pathophysiology and pharmacology (part 3); sociology for general nursing; the psychology of illness, grieving and trauma; practice placement

#### PSYCHIATRIC NURSING

Nurse as educator communicator; research for nursing practice; management and leadership in nursing; advanced anatomy and physiology; sociology of health and illness; growth and development (reflective workshops); introduction to psychosocial interventions for clients with severe mental health problems; mental health nursing: care of the older person; mental health nursing: community care and rehabilitation; applied biology: pathophysiology and pharmacology (part 3); sociology for psychiatric nursing; abnormal psychology; practice placement

#### INTELLECTUAL DISABILITY NURSING

Nurse as educator communicator; research for nursing practice; management and leadership in nursing; advanced anatomy and physiology; sociology of health and illness; growth and development (reflective workshops); therapeutic interventions for care 2; approaches to nursing practice 3; frameworks for intellectual disability practice 2; applied biology: pathophysiology and pharmacology (part 3); sociology for intellectual disability nursing; psychological perspectives on intellectual disability; practice placement

#### CHILDREN'S AND GENERAL NURSING

Nurse as educator communicator; research for nursing practice; management and leadership in nursing; advanced anatomy and physiology; sociology of health and illness; growth and development (reflective workshops); the principles and practice of general nursing (part 4); the principles and practice of general nursing (part 5); the principles and practice of general nursing (part 6); applied biology: pathophysiology and pharmacology (part 3); sociology for general nursing; the psychology of illness, grieving and trauma; the individual child and family in health and illness; the well infant/child; practice placement

### **Senior Sophisters**

#### GENERAL NURSING

Personal and professional development; research, growth and development (reflective workshops); contemporary issues in general nursing practice; practice placement

#### PSYCHIATRIC NURSING

Personal and professional development; research, growth and development (reflective workshops); contemporary issues in mental health nursing; practice placement

#### INTELLECTUAL DISABILITY NURSING

Personal and professional development; research, growth and development (reflective workshops); contemporary issues in intellectual disability nursing; practice placement

## Faculty of Health Sciences

### CHILDREN'S AND GENERAL NURSING

Personal and professional development; research, growth and development (reflective workshops); contemporary issues in general nursing practice; the individual child and family in health and illness: the sick infant/child 2; the individual child and family in health and illness: the well infant/child; the adolescent and their family in health and illness; practice placement

#### *Examinations*

14 Students must pass both theory and practice components of the course. There is no compensation between theory and practice components of the course. The pass mark is 50 per cent.

*Theoretical component:* The theoretical component of the course is assessed by a variety of assessment types. At the discretion of the court of examiners, compensation may be allowed between certain theoretical components for the annual sitting only. Compensation will not be allowed at the supplemental sitting.

*Practice component:* The practice component of the course is assessed by competency documents. A practice placement will not be deemed to be complete unless:

- (i) a completed competency document is submitted by the published deadline;
- (ii) all the required hours are complete;
- (iii) all the required levels of competence have been met.

#### *Practice placement*

15 Students must be registered with College before commencing practice placement in any year of the course for insurance purposes. Practice placements will take place throughout the four years of the course (four and a half years in the case of the children's and general nursing course). 100 per cent attendance is compulsory in all practice placements. Absences from practice placement will be rescheduled only in exceptional circumstances such as certified illness. Practice placement will only be rescheduled once, at the discretion of the Allocations Officer and the health service provider. Incomplete practice placements will be recorded as 'fail' at the court of examiners and students will not be eligible to rise with their year. Placements may occur outside the planned schedule. Practice placements for Junior Freshmen will consist of twelve weeks supernumerary practice placement(s) throughout the year. Practice placements for Senior Freshmen may consist of up to thirteen weeks supernumerary practice placement(s) throughout the year, depending on the year of intake. Practice placements for Junior Sophisters may consist of up to sixteen weeks supernumerary practice placement(s) throughout the year, depending on the year of intake. Students who registered prior to 2005 will commence a twelve-month roster year in the Trinity term of their Junior Sophister year. Prior to moving into the Senior Sophister year, these students must have successfully completed all scheduled supernumerary practice placements and one roster placement to the required competency level, along with all theory assessments. Students commencing the course after 2005 will undertake a nine-month internship starting in the Hilary term of the Senior Sophister year. Prior to moving into the internship students must have successfully completed a six-week supernumerary practice placement to the required level of competence. Students will be remunerated accordingly by the relevant health service provider during rostered/internship placement.

#### *Transference of course*

16 Students may transfer between the four disciplines of the programme if they fulfil the relevant criteria and if places are available (see GENERAL REGULATIONS AND INFORMATION).

### MIDWIFERY FOUR-YEAR UNDERGRADUATE PROGRAMME

17 The School of Nursing and Midwifery, in conjunction with the Rotunda Hospital and the Coombe Women's Hospital, offers a four-year course in midwifery leading on successful completion

to eligibility to apply for registration on the midwives division of the register maintained by An Bord Altranais and a degree in midwifery awarded by the University of Dublin.

*Fees*

18 See COLLEGE CHARGES.

*Academic progress*

19 The course consists of four years and involves an integrated programme of practical and theoretical study. Students may not repeat any academic year more than once and may not repeat more than two academic years, except by special permission of the University Council. In the School of Nursing and Midwifery, this regulation also includes years repeated on an off-books, examination-only basis. Students must pass both theoretical and practice components in order to rise with the year. In order to qualify for the award of the degree, students are required to pass all Senior Sophister assessments and professional placements in their entirety within two academic years. On successful completion of the totality of the course students will be awarded a degree in midwifery and may apply for registration on the midwives division of the register maintained by An Bord Altranais.

Attendance at all timetabled sessions both theory and practice is compulsory and will be monitored. Where a student's attendance is unsatisfactory, the school may request the Senior Lecturer to refuse permission for the student to sit annual examinations.

Students who fail to obtain credit for a year of the course, and who are permitted to repeat that year, must comply with all the normal course requirements for the year, and will not be given credit for any subject or subjects already passed; this applies to both theory and practice. If a student is required to repeat the final year, the internship clinical placement will not be salaried.

Notwithstanding the provisions of any other regulation, exclusion from the course may be recommended to the University Council at any stage in respect of any student whose progress or performance is unsatisfactory or to the Board of Trinity College in respect of any student whose conduct is unsatisfactory. School regulations and details of examinations, assessments, subject weightings and marking schemes are provided to students at the beginning of each academic year.

*Subjects of study*

20 The programme will include the study, both theory and practice, of: midwifery practice – knowledge and skills; communication and interpersonal skills; professional, personal, ethical and legal issues; knowledge base for midwifery practice to include: biological sciences, psychology, pharmacology, non-pharmaceutical approaches; sociology for midwifery practice; research; health promotion; maternal and social care services in Ireland. The credit weighting for each year will be 60 credits.

*Examinations*

21 Students must pass both theory and practice components of the course. There is no compensation between theory and practice components of the course. The pass mark is 50 per cent.

*Practice placement*

22 Students must be registered with College before commencing practice placement in any year of the course for insurance purposes. Practice placements will take place throughout the four years of the course. Attendance is compulsory in the practice placement. Absences from the first attempt at practice placement will be rescheduled only in exceptional circumstances such as certified illness. Incomplete practice placements will be recorded as 'fail' at the court of examiners and students will not be eligible to rise with their year. Students must be registered with College before commencing their first practice placement. Some placements may occur outside the planned schedule.

## Faculty of Health Sciences

### ACCESS TO DEGREE PROGRAMME IN NURSING

23 Nurses already holding general, psychiatric or intellectual disability nurse registration with An Bord Altranais, or eligible for such registration, may apply for admission onto a one-year part-time modular programme that commences in October of each year and is offered through a blended delivery approach. Blended delivery in this instance involves educational facilitation being delivered partially through e-learning methods and partially through conventional lectures. A fee will be payable to the University of Dublin.

Applicants whose first language is not English must have completed an English proficiency examination such as TOEFL, IELTS. A copy of the examination certificate should be sent with the application form. The current pass marks for admission are: TOEFL: grade 233 (computer based), grade 570 (paper based), 90 (internet based); IELTS: grade 6.5.

Nurses with further professional and academic qualifications may be entitled to exemption from certain modules on the access course, and should contact the School of Nursing and Midwifery for information. Those who complete the access year successfully may continue on to the degree year, which runs from October to May. The structure and content of this year is as described in §24 below.

#### *Subjects of study*

- Primary health care and health promotion (10 credits)
- Personal and professional development (10 credits)
- Philosophical, legal and ethical issues (10 credits)
- Scientific basis for nursing (10 credits)
- Research appreciation (20 credits)

### POST REGISTRATION DEGREE PROGRAMME IN NURSING

24 Candidates who have successfully completed the Diploma in Nursing Studies, the access to degree programme (see §23 above) or equivalent and who hold a nurse registration with An Bord Altranais, may apply for admission onto a one-year programme leading to a Bachelor in Nursing Studies degree. A fee will be payable to the University of Dublin. The programme commences in October of each year. The curriculum addresses the following areas: education, research, management, communication, information technology and contemporary issues in nursing practice. To be successful on the degree programme, students must pass all assessments in accordance with the programme regulations for the Bachelor in Nursing Studies. Students who are unsuccessful in the degree may be permitted to repeat the degree year in full, subject to the general regulations of the College on academic progress (see GENERAL REGULATIONS AND INFORMATION).

#### *Subjects of study*

- Communication and the facilitation of learning for nursing practice (10 credits)
- Contemporary issues (10 credits)
- Health care quality and informatics (10 credits)
- Leadership and management for nursing practice (10 credits)
- Research methods (20 credits)

### ACCESS TO DEGREE PROGRAMME IN MIDWIFERY

25 Midwives holding a midwifery registration with An Bord Altranais, or eligible for such registration, may apply for admission onto a one-year part-time modular programme that commences in October of each year and is offered through a blended delivery approach. Blended delivery in this instance involves educational facilitation being delivered partially through e-learning methods and partially through conventional lectures. A fee will be payable to the University of Dublin.

Applicants whose first language is not English must have completed an English proficiency examination such as TOEFL, IELTS. A copy of the examination certificate should be sent with the



application form. The current pass marks for admission are: TOEFL: grade 233 (computer based), grade 570 (paper based), 90 (internet based); IELTS: grade 6.5.

Midwives with further professional and academic qualifications may be entitled to exemption from certain modules on the access course, and should contact the School of Nursing and Midwifery for information. Those who complete the access year successfully may continue on to the degree year, which runs from October to May. The structure and content of this year is as described in §26 below.

*Subjects of study*

Primary health care and health promotion (10 credits)  
Personal and professional development (10 credits)  
Philosophical, legal and ethical issues (10 credits)  
Scientific basis for midwifery (10 credits)  
Research appreciation (20 credits)

**POST REGISTRATION DEGREE PROGRAMME IN MIDWIFERY**

26 Candidates who have successfully completed the midwifery registration/diploma programme or the access to degree programme (see §25 above) and who hold a midwife registration with An Bord Altranais, may apply for admission onto a one-year programme leading to a Bachelor in Midwifery Studies degree. A fee will be payable to the University of Dublin. The programme will commence in October and conclude in May. The curriculum addresses contemporary issues within midwifery practice including education, research, communication and information technology. It will also address governance in midwifery and expectant midwifery practice. To complete the degree successfully, students must pass all assessments as detailed in the handbook for the Bachelor in Midwifery Studies. Students who are unsuccessful in the degree may be permitted to repeat the degree year in full, subject to the general regulations of the College on academic progress (see GENERAL REGULATIONS AND INFORMATION).

*Subjects of study*

Communication and the facilitation of learning for midwifery practice (10 credits)  
Expectant approach to midwifery (10 credits)  
Health care quality and informatics (10 credits)  
Governance in midwifery practice (10 credits)  
Research methods (20 credits)

**27 RECOGNISED HOSPITALS AND UNITS FOR CLINICAL PRACTICE**

Adelaide and Meath Hospital, Dublin incorporating the National Children's Hospital  
St James's Hospital  
Coombe Women's Hospital  
Health Service Executive Dublin Mid-Leinster  
Our Lady's Hospital for Sick Children, Crumlin  
St Anne's Sisters of Charity of Jesus and Mary, Moore Abbey, Monasterevin  
St Colmcille's Hospital, Loughlinstown  
St Loman's Hospital  
St Mary's Hospital, Phoenix Park  
St Patrick's Hospital  
Stewart's Hospital Services Ltd, Dublin  
Vergemount Hospital, Clonskeagh  
The Rotunda Hospital  
Our Lady of Lourdes, Louth/Meath Hospital Group, NEHB, Drogheda

## Faculty of Health Sciences

The National Maternity Hospital  
Our Lady's Hospice, Harold's Cross  
Naas General Hospital  
Newcastle Hospital, Wicklow  
St Fintan's Hospital, Portlaoise  
St Francis Hospice, Raheny  
Cheeverstown House  
St Michael's House  
Daughters of Charity, Navan Road and Celbridge  
St John of God Brothers, Provincial Administration, Stillorgan, Co. Dublin

### V SCHOOL OF PHARMACY AND PHARMACEUTICAL SCIENCES

#### REGULATIONS<sup>4</sup>

1 The school provides a course of four years' duration leading to the degree of Bachelor in Science (Pharmacy). The B.Sc. (Pharm.) degree, when followed by a year's practical experience and some further course work in professional aspects of pharmacy, is recognised as the required training for registration as a pharmacist with the Pharmaceutical Society of Ireland. It fulfils the requirements for training standards defined in EU Directive 85/432 relating to free movement of pharmacists within EU Member States. The B.Sc. (Pharm.) degree is also recognised as fulfilling the conditions of qualification specified in the EU Directives 2001/83/EC and 2001/82/EC for Qualified Persons responsible for the supervision and control of the manufacture of proprietary medicinal products in the pharmaceutical industry. Students entering the course in pharmacy should register with the Pharmaceutical Society of Ireland with a view to obtaining full professional recognition on completion of their course.

The names of successful candidates at the B.Sc. (Pharm.) degree are published alphabetically within three classes: first class honors, second class honors (with two divisions, first and second) and third class honors.

#### *Fees*

2 See COLLEGE CHARGES.

#### *Subjects of study*

3 The subjects studied in each year of the course are as follows:

#### **Junior Freshmen**

Sources and characteristics of substances used in medicines (5 credits)  
Physicochemical aspects of drugs and biological systems (5 credits)  
Isolation, separation and analysis of substances used in medicines (10 credits)  
Introduction to pharmaceuticals and formulations (5 credits)  
Pharmaceutical calculations and data handling (5 credits)  
Practice of pharmacy I (5 credits)  
Orientation and learning skills and integrated pharmacy studies (including problem-based learning) (5 credits)  
Biochemistry I (5 credits)  
Cell and molecular biology (10 credits)  
Physiology (5 credits)

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<sup>4</sup>These regulations should be read in conjunction with GENERAL FACULTY REGULATIONS and GENERAL REGULATIONS AND INFORMATION.

### Senior Freshmen

Pharmaceutics and pharmaceutical technology (9 credits)  
 Pharmaceutical chemistry (12.5 credits)  
 Pharmacognosy (8 credits)  
 Pharmacology (12 credits)  
 Practice of pharmacy (5 credits)  
 Biochemistry (9 credits)  
 Microbiology (4.5 credits)

### Junior Sophisters

Pharmaceutics and pharmaceutical technology (13 credits)  
 Pharmaceutical chemistry (13 credits)  
 Pharmacology (13 credits)  
 Pharmacognosy (11 credits)  
 Practice of pharmacy (10 credits)

### Senior Sophisters

Pharmaceutics and pharmaceutical technology (13 credits)  
 Pharmaceutical chemistry (12 credits)  
 Pharmacognosy (8 credits)  
 Pharmacology (10 credits)  
 Practice of pharmacy (12 credits)  
 Project (5 credits)

The ECTS equivalent for each year of the course is as follows: Junior Freshman 60 credits; Senior Freshman 60 credits; Junior Sophister 60 credits; Senior Sophister 60 credits.

#### *Attendance and course work*

4 Students must attend for appropriate academic instruction in each term of each academic year and must satisfy the head of the school as to their academic progress in each term in order to proceed with their year. The school may, from time to time, draw up regulations determining the required attendance of students at the various forms of instruction.

5 To rise with their class students must (a) attend satisfactorily the lectures given in the subjects of their course each term as required by the University Council and the School of Pharmacy and Pharmaceutical Sciences regulations, (b) perform and complete all laboratory work to the satisfaction of the head of the school, and (c) pass the prescribed examinations (including practical tests and continuous assessment schemes).

#### *Examinations*

6 Annual examinations are held mainly at the end of Trinity term. Students who have been unsuccessful at the annual examinations must take a supplemental examination at the beginning of Michaelmas term as provided for in the document 'Examination regulations in the School of Pharmacy and Pharmaceutical Sciences'.

7 The B.Sc. (Pharm.) degree examination will be held annually in Trinity term of the Senior Sophister year. It is a requirement for the award of the degree that students pass an examination in pharmacy law in which no compensation is allowed. This examination is held in Hilary term. In order to qualify for the award of the degree, students are required to pass the degree examination in its entirety within eighteen months from the date on which they first became eligible to present for it. This regulation may only be waived in case of illness or other exceptional circumstances. Students who are unsuccessful in one or more subjects at the annual examinations and who subsequently pass the degree examination will be awarded a third class honors degree.

## Faculty of Health Sciences

8 Students are normally expected to pass in all of the subjects being taken at an examination. However, the court of examiners<sup>5</sup> may allow compensation in one subject where only a small deficiency exists if all the subjects concerned have been taken in a single sitting. Detailed regulations concerning credits, compensation requirements and other matters are published in the document 'Examination regulations in the School of Pharmacy and Pharmaceutical Sciences'.

9 Students who are unsuccessful at both an annual and supplemental examination may apply to the School of Pharmacy and Pharmaceutical Sciences for permission to repeat the year. Students whose overall mark is 34 per cent or lower in their annual examinations and supplemental examinations are not permitted to repeat their year and must withdraw from the School of Pharmacy and Pharmaceutical Sciences.

Repetition requires full attendance at lectures and such other courses as may be prescribed by the head of the school.

10

### *Courses*

#### **Junior Freshmen**

##### SOURCES AND CHARACTERISTICS OF SUBSTANCES USED IN MEDICINES

An appropriate foundation course in chemistry leading to an understanding of the chemical properties of substances used in human and veterinary medicines.

##### PHYSICOCHEMICAL ASPECTS OF DRUGS AND BIOLOGICAL SYSTEMS

An introduction to physicochemical aspects of substances used in pharmacy and medicine.

##### ISOLATION, SEPARATION AND ANALYSIS OF SUBSTANCES USED IN MEDICINES

This module is an introduction to the concepts of quality and the application of analytical techniques to pharmaceutical materials and how the molecular structure of drugs, their properties and chemical incompatibilities can be predicted.

##### INTRODUCTION TO PHARMACEUTICS AND FORMULATIONS

An introductory module in pharmaceutics and pharmaceutical technology that will provide an understanding of the relevance of the subject area to the degree in pharmacy and pharmacy practice.

##### PHARMACEUTICAL CALCULATIONS AND DATA HANDLING

This module will develop basic techniques in applied mathematics and introductory statistics. The applicability of such methods to pharmaceutical processes is outlined and some calculative procedures in pharmaceutical practice are developed.

##### PRACTICE OF PHARMACY I

An introduction to all aspects of pharmacy practice and to the fundamental concepts of pharmacology and clinical pharmacology.

##### ORIENTATION AND LEARNING SKILLS AND INTEGRATED PHARMACY STUDIES (INCLUDING PROBLEM-BASED LEARNING)

Students will acquire knowledge of the School of Pharmacy and Pharmaceutical Sciences and of the B.Sc. (Pharm.) degree and will appreciate the importance of different study skills and their application in different learning situations. An introduction to the learning style of problem-based learning using a common theme and problems that require the resources of more than one academic subject for their solution.

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<sup>5</sup>The court of examiners consists of the full-time academic staff of the School of Pharmacy and Pharmaceutical Sciences and representatives from each of the examination subjects.

## BIOCHEMISTRY I

An introduction to evolution and life biochemistry

## CELL AND MOLECULAR BIOLOGY

The course is designed to provide students with a broad based training in the fundamentals of modern biology. It offers a comprehensive introduction to molecular and cellular biology, genetics, developmental biology and the biology of microorganisms. A practical skills programme supports the course.

## PHYSIOLOGY

A course which includes basic histology, properties of membranes and excitable tissues, the relevant anatomy and functional characteristics of the cardiovascular, respiratory, digestive, renal, endocrine and reproductive systems.

**Senior Freshmen**

## PHARMACEUTICS AND PHARMACEUTICAL TECHNOLOGY

Lectures, practical work and tutorials dealing with the basic principles underlying the formulation and production of drugs in various dosage forms. Physicochemical aspects of drug delivery system design, physical pharmacy, unit operations and aspects of pharmaceutical technology

## PHARMACEUTICAL CHEMISTRY

A course dealing with the application of quality standards and the development of quality specifications for materials of pharmaceutical interest. The course includes the pharmaceutical chemical aspects of carbohydrates, peptides and proteins. Introduction to medicinal chemistry: the relationship of chemical structure and physicochemical properties is treated using specific chemical families such as sulphonamides, phenols and phenethanolamines.

The course also includes a study of physical chemistry with particular reference to applications of pharmaceutical importance, including equilibria in ionic systems, the use of reaction kinetics in accelerated stability analysis, thermodynamics and physicochemical factors affecting drug stability.

*Laboratory work*

Quantitative assay of drugs and of their formulations. Organic analysis. Synthesis of a number of simple organic drug molecules

## PHARMACOGNOSY

Pharmaceutical botany – a short course examining the use of cell inclusions, cell types, tissues and plant organs in the characterisation and analysis of plants used as crude drugs in pharmacy. An introduction to the chromatographic, microscopical and phytochemical techniques used in the analysis and quality control of natural products of importance in pharmacy.

## PHARMACOLOGY

The course will consist of lectures and practicals dealing with the actions and uses of drugs in man and animals. Side effects and interactions associated with drug therapy will be discussed. Factors underlying the application of pharmacological principles and agents to therapeutic problems will be considered and the pathology of human disease and where appropriate, the underlying anatomy and physiology will be reviewed.

## PRACTICE OF PHARMACY

The course will cover areas such as the profession and practice of pharmacy, pharmaceutical care and social pharmacy. Students are required to submit a report on a period of work experience of not less than one week's duration, undertaken by them in either a community or a hospital pharmacy, within an E.U. country, during the Senior Freshman year, before the Junior Sophister year commences.

Courses will also be provided in biochemistry and microbiology.

**Sophister courses**

**Junior Sophisters**

PHARMACEUTICS AND PHARMACEUTICAL TECHNOLOGY

The course will consist of lectures, tutorial classes and practicals dealing with unit processes used in the pharmaceutical industry for the production of drug formulations, including tableting, the formulation and production of sterile pharmaceutical products, antiseptics and disinfectants. Aspects of pharmaceutical biotechnology will be covered.

PHARMACEUTICAL CHEMISTRY

The medicinal chemistry course includes a systematic study of the structure and properties of chemical substances of natural and synthetic origin used in medicine, their relevant stereochemistry and biological activities. Courses will be provided in the kinetics of drug-receptor interactions, structure-activity relationships, the chemistry of drug metabolism, and modulation of pharmacokinetics by structural alteration of known drug molecules. Lectures, seminars and practicals in the principles and techniques employed in drug standardisation and the quality control of drugs and their pharmaceutical preparations.

PHARMACOLOGY

A continuation of the course outlined for the Senior Freshman year, including methods of drug assessment comprising toxicology and clinical trials.

PHARMACOGNOSY

The course examines the sources, isolation, characterisation and properties of substances of plant and animal origin used in pharmacy and medicine, including alkaloids, glycosides, essential oils, lipids, polysaccharides, enzymes. Also taught are aspects of medicinal plant biotechnology, phytotoxicology and natural allergens of relevance to the promotion of good health and disease prevention.

PRACTICE OF PHARMACY

The course will cover areas such as the profession and practice of pharmacy, pharmaceutical care and social pharmacy. Students are required to submit a report on a period of work experience of not less than four weeks' duration undertaken by them in either a community or a hospital pharmacy, within an E.U. country, before the Senior Sophister year commences.

**Senior Sophisters**

Courses of lectures, tutorials and practicals in each of the pharmaceutical sciences. The courses will include environmental toxicology, biopharmaceutics and relevant pharmacokinetics, the design and evaluation of controlled drug release systems, and the use of physicochemical parameters and computational methods in drug design. The course also includes a treatment of pharmaceutical product stability and the design of stability studies necessary to satisfy regulatory requirements for product licensing. Courses will also be provided on the action of drugs in the central nervous system and their uses, hallucinogens and drugs of abuse, pesticides, surgical dressings, herbal medicines and pharmaceutical biotechnology. The practice of pharmacy course includes pharmaceutical legislation including pharmacy law, ethics and professionalism, pharmacy management and three elective courses reflecting the following pharmaceutical interests: community, hospital, and industry/research. Senior Sophisters will be required to present a dissertation on a selected topic relating to pharmacy practice and to undertake a research project.