

Faculty of Health Sciences

I GENERAL FACULTY REGULATIONS¹

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.)), Bachelor in Science (Human Nutrition and Dietetics) (B.Sc. (Hum. Nut. & Diet.)), Bachelor in Science (Human Health and Disease) (B.Sc. (Hom. Val.)), see III below; Bachelor in Science (Nursing) (B.Sc. (Cur.)), Bachelor in Science (Midwifery) (B.Sc. (A. Obs.)), 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 Medicine, Master in Science (M.Sc.) in Advanced Radiotherapy Practice, in Biomedical Sciences (intercalated), in Cancer Care, in Cardiology, in Cardiovascular Rehabilitation and Prevention, in Clinical Chemistry, in Cognitive Psychotherapy, in Community Pharmacy, in Dementia, in Exercise Physiology, in Gerontological Nursing, in Global Health, in Health Informatics, in Health Services Management, in Healthcare Infection Management, in Hospital Pharmacy, in Medical Imaging, in Mental Health, in Midwifery, in Molecular Medicine, in Molecular Pathology, in Neuroscience, in Nursing, in Occupational Therapy, 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 Respiratory Physiotherapy, in Sports and Exercise Medicine, Doctor in Dental Surgery (D.Ch.Dent.), see PART 2 OF THE CALENDAR — GRADUATE STUDIES AND HIGHER DEGREES. The degree of M.Sc. (St.) will be conferred upon students who successfully complete taught Master in Science programmes.

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. The degree of M.Sc. (Ind.) will be conferred upon students who successfully complete the Master in Science research programmes. 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 dental technology, clinical dentistry, clinical health sciences education, cognitive psychotherapy, community pharmacy, conscious sedation in dentistry, gynaecology and obstetrics, molecular medicine, oncological nursing, pharmaceutical manufacturing technology, pharmaceutical medicine, special care dentistry, 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 International Office, Trinity College, Dublin 2 by 1 February of year of proposed entry.

¹These 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.

Health

5 The Faculty of Health Sciences endeavours to be accessible to all students. It is responsible for educating and training health care workers who will work in areas requiring serious responsibilities for patients, and trust. Training includes clinical and other professional practice placements which are often physically, intellectually, emotionally and ethically demanding. In the health sciences the interests of the patient take precedence over those of the practitioner. Students with a disability are encouraged to register with the College Disability Service and seek appropriate support. In addition, students with a disability, such that they could cause harm to themselves or to others in the circumstances of a clinical or professional placement, are required to disclose their disability to the head of school or his/her nominee.

Garda/police vetting

6 Students in dental science, dental hygiene, dental nursing, medicine, occupational therapy, physiotherapy, radiation therapy, midwifery, nursing and pharmacy, are required to undergo vetting by the Garda Síochána or other relevant police force. If, as a result of the outcome of these vetting procedures a student is deemed unsuitable to attend clinical or other professional placements he/she may be required to withdraw from his/her programme of study. Further details and procedures are available from the Admissions Office and from 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. The ordinary B.A. degree does not carry a license to practise within the professional disciplines of dental science or medicine. Students of occupational therapy, physiotherapy, radiation therapy, midwifery, nursing, human health and disease 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, human health and disease 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 Altranaís 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

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certificate to the course director. Students should refer to the requirements on attendance under GENERAL REGULATIONS AND INFORMATION.

Transfer of course

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 (see <http://www.tcd.ie/vpcao/administration/examinations/criteria-for-gold-medal.php>).

Various studentships, scholarships, exhibitions, and other prizes are awarded to students on the results of honor and other examinations, provided that sufficient merit is shown. Monetary awards are sent direct to prize-winners unless otherwise stated under the regulations for the particular prize. For details see PRIZES AND OTHER AWARDS (see also MISCELLANEOUS AWARDS).

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

These prizes, which are issued in the form of vouchers, can be exchanged by the student at designated booksellers. Book prizes are issued by the Examinations Office and are posted to recipient students at their home address.

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 and Graduate 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.

Exclusion of students

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. Students are advised to note those sections of the course handbooks (see S.5) concerning health and conduct.

Students should note that the teaching hospitals also have regulations governing conduct and the 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 may not be possible for students to continue their programme in the Dental School.

Courses

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

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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.

Precautions against infectious diseases

4 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, mumps, rubella and chickenpox.

5 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.

6 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. Students will not be permitted to commence clinical practice until they have completed a course of vaccination.

7 Students in dental nursing and dental technology 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.

8 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 requirements introduced by new legislation and/or regulations, in relation to clinical practice in Ireland, be satisfied before registration is permitted.

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

9 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, tuberculosis, chickenpox, measles, mumps and rubella. Students who contract contagious diseases or any of the above should advise the Dental School Office as soon as possible. In the event of a student becoming aware of any of the above conditions they should consult their medical advisor. They shall refrain from further patient contact until cleared medically.

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

10 The degree of Bachelor in Dental Science (B.Dent.Sc.) is conferred on students who have obtained the B.A. degree, completed the modules below and passed the examinations. Each year of the course has a value of 60 ECTS credits.

Abridgement of course

11 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.

Moderatorship for dental students

12 Dental students may be permitted to present for a moderatorship in science in an approved

subject of the course. Applications must be made by the last day of Hilary term to the Science Course Director and the School of Dental Science. Approval will only be given to candidates with 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 structural biology, immunology, microbiology, molecular medicine, neuroscience and physiology are approved subjects for moderatorship; see FACULTY OF ENGINEERING, MATHEMATICS AND SCIENCE.

Examinations

13 In order to obtain credit for each year students are required to obtain a cumulative pass mark in their written assessments, to have passed the prescribed competence tests, to have passed the Trinity term OSCE in the third and fourth years, to have attended satisfactorily and to have obtained the required levels of credits for their clinical work.

Assessments are usually held at the end of each term (see the school's year handbook) with the exception of the Trinity term OSCE in the third and fourth years. 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 clinical activity before the end of each academic year.

- (i) Where students fail to obtain credit for the year as a result of not having passed the cumulative written assessments, they will be required to take and pass the supplemental examination. If students have not met the requirement to pass the OSCE they will be afforded an opportunity to take a supplemental OSCE. In respect of the required level of clinical credits and any outstanding competence tests, students will be given time to complete any competences and take additional clinical sessions before the end of the academic year. A pass must be obtained for all clinical requirements (OSCE, clinical credits and competences) before the end of the current academic year.
- (ii) There are two yearly examination sessions, annual and supplemental. Students who are unable to satisfactorily 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) resulting 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 divisions, the Dean of Dental Affairs may recommend to the Senior Lecturer that the students be granted permission to absent themselves from the supplemental examinations and be allowed to repeat the year.

Repetition of year

14 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.

Clinical attendance

15 Students are required to attend modules 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 GENERAL REGULATIONS AND INFORMATION, section II, §§16-21 and the handbook concerning attendance requirements.

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First dental year

16 The modules in the first dental year are personal and professional development (10 credits), human biology I (35 credits), physical science (15 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 modules and have attended satisfactorily.

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 II (15 credits), oral biology and introduction to pathology (10 credits), public dental health (5 credits).

19 In order to obtain credit for the year students must achieve a pass mark in the continuous assessment examinations, must satisfactorily complete the designated clinical competences, must achieve the required credits for their patient clinical activity and must have attended satisfactorily. Students cannot begin the work of the third dental year until credit has been obtained for the second year.

Third dental year

20 The modules in the third dental year are as follows:

Clinical medical sciences (20 credits)

This module comprises general medicine, general surgery, general pathology and pharmacology.

Fixed and removable prosthodontics (25 credits)

This module comprises advanced restorative dentistry, prosthodontics, 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 practicals and clinical experience.

Comprehensive patient care I (15 credits)

This module comprises clinical teaching and practice in holistic primary dental care, including clinical placement in special care dentistry, periodontology, evidence-based dentistry and radiology.

21 To obtain credit for the third year, students are required to pass the continuous assessment examinations, to pass the Trinity term OSCE, 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.

Students who fail to achieve credits in the modules by way of continuous assessment will be required to sit supplemental written examinations.

Fourth dental year

22 Students cannot begin the work of the fourth dental year until credit has been obtained for the third year. The modules in the fourth dental year are as follows, together with practical and clinical instruction.

Comprehensive patient care II (10 credits)

Advanced restorative dentistry I (20 credits)

Child dental health (10 credits)

Oral medicine, oral surgery and oral pathology I (15 credits)

Public dental health (5 credits)

To obtain credit for the fourth year and to proceed to the fifth year, students are required to

pass the continuous written assessments and the Trinity term OSCE, have satisfactorily completed the designated competence tests for the year, and to have obtained the required levels of clinical credits for their patient clinical activity and to have attended satisfactorily.

Fifth dental year

23 The modules in the fifth dental year are as follows:

- Comprehensive patient care III (10 credits)
- Advanced restorative dentistry II (15 credits)
- Public and child dental health (10 credits)
- Oral medicine, oral surgery and oral pathology II (15 credits)
- Evidence-based dentistry (10 credits)

To obtain credit for the fifth dental year, students are required to have: satisfactorily completed the designated competence tests for the year, the required levels of clinical credit for their patient clinical activity, attended satisfactorily and passed the final dental examination.

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, 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 (includes comprehensive patient care and advanced restorative dentistry II)
- (iii) Oral medicine, oral surgery 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. 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 and/or *viva voce* examination.

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 sections 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) 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 at the next session and in the interim 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.

All students taking the final examination at the supplemental period are required to satisfy the requirements for entry to the final dental examination above.

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

25 The course is intended to enable students to acquire the competencies needed to become dental laboratory technicians. This course will provide teaching in all the basic disciplines of dental technology. Students will learn to make restorations and appliances in fixed and removable prosthodontics and orthodontics. This will involve techniques in ceramic, metal and acrylic technology.

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

Duration

26 The duration of the course is three years.

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, Trinity College, Dublin 2. The closing date for applications is 1 February. Applicants are required to complete a questionnaire as part of a screening process for candidate selection.

Entry requirements

28 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.

Modules and examinations

First year

Modules

29 The modules of the first year are fixed prosthodontics and occlusion and function (20 credits), complete and removable partial denture technology (20 credits), orthodontics (10 credits), physics and chemistry (10 credits).

Examination

30 In order to obtain credit for the first year students are required to (i) achieve an overall pass mark in the written assessments; (ii) meet the requirements of the practical assessments; (iii) attend satisfactorily.

Second year

Modules

31 The modules of the second year are complete denture technology (10 credits), removable partial dentures (10 credits), fixed prosthodontics (20 credits), orthodontics (10 credits), materials science (5 credits), business studies (5 credits).

Examination

32 In order to obtain credit for the second year students are required to (i) achieve an overall pass mark in the written assessments; (ii) meet the requirements of the practical assessments; (iii) attend satisfactorily.

Third year

Modules

33 The modules of the third year are complete and removable partial denture technology (15 credits), fixed prosthodontics (20 credits), orthodontics (10 credits), dissertation (15 credits). Each

student's progress and achievements in the practical modules are recorded in a log diary. Modules take place in the technology teaching laboratory over the three terms of the course for eight sessions per week for the practical modules and two sessions per week for the dissertation. It is intended that the production modules will include one six week placement in an external laboratory or in an overseas placement.

Examination

34 In order to obtain credit for the third year students are required to (i) complete the minimum laboratory requirements; (ii) achieve a pass mark for the log diary; (iii) achieve a pass mark for their dissertation; (iv) have attended satisfactorily. Students may be precluded from taking part in the final examination if evidence of their attendance has not been satisfactory. The final examination is completed in June. Supplemental examinations may be held in November. Students who fail the final examination will be required to attend a prescribed programme of laboratory work and revise their dissertation if failed. Students repeating the final examination at the supplemental examination will be awarded a maximum of a pass grade.

DIPLOMA IN DENTAL HYGIENE

35 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 dental 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 utilises 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

36 The duration of the course is two years.

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, Trinity College, Dublin 2. The closing date for applications is 1 February.

Entry requirements

38 Admission to the course is competitive, may 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) Mature applicants

Special consideration will be given to those who have:

- work experience in dental nursing following qualification as a dental nurse
- experience in community health, health promotion, patient care, teaching and/or communication

Curriculum

39 The educational policy of the Dental 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

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clinical practice. Student learning in the various dental professional categories is integrated during their education.

First year

Modules

- 1 Introduction to applied clinical science (20 credits)
- 2 Introduction to clinical practice (25 credits)
- 3 Clinical practice and health promotion (15 credits)

Second year

Modules

- 1 Health promotion (15 credits)
- 2 Evidence based practice (10 credits)
- 3 Clinical practice (35 credits)

Examinations

40 In order to obtain credit for the first year students are required to (i) obtain a cumulative pass mark in their written assessments; (ii) pass the objective structured clinical examination (OSCE); (iii) complete all the required competences in the specified time-frame; (iv) achieve the required level of clinical credits; (v) attend satisfactorily. Students may not proceed to clinical practice in the Hilary term of the first year until they have passed the objective structured clinical examination (OSCE).

If students have not met the requirement to pass the OSCE they will be afforded an opportunity to take a supplemental OSCE. Where students fail to obtain credit for the first year as a result of not having attained a cumulative pass mark in the written assessments, they will be required to take and pass supplemental examinations.

There are two yearly examination sessions, annual and supplemental. Students who are unable to satisfactorily complete their examination at the annual or supplemental session may be given permission to repeat the year.

Special consideration will be given to students who fail to obtain credit for the year (either because of failing or of not completing the required examinations and clinical assessments) resulting 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 divisions, the Dean of Dental Affairs may recommend to the Senior Lecturer that the students be granted permission to absent themselves from the supplemental examinations and be allowed to repeat the year.

In order to be admitted to the final examination in the second year students must by the date specified in the handbook (i) have achieved a cumulative pass mark in the written assessments in the Michaelmas and Hilary terms; (ii) have passed their competence tests within the time-frame set out in the handbook; (iii) have completed the radiography portfolio of experience and the local anaesthetic logbook within the time-frame set out in the handbook; (iv) have submitted their final community project by the date indicated in the handbook; (v) have attended satisfactorily; (vi) have obtained the required levels of credits for their clinical work.

The final examination consists of the following:

- 1 The final written examination (short answer paper)
- 2 The community project and defence
- 3 Case presentation of a treated patient and related topic

All three sections of the final examination must be passed.

Supplemental period

41 Students who have not been permitted to enter the final examination will be required to

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(i) attend a prescribed programme of clinics, lectures and tutorials/seminars between July and November. Attendance at this prescribed programme is mandatory; (ii) sit supplemental examinations in August/September if they have not achieved a cumulative pass mark in the Michaelmas and Hilary term assessments; (iii) meet all the requirements for entry to the final examination by the end of October. The student will then be permitted to sit a final examination in November.

Students who have failed the final examination will be required to attend a prescribed programme of clinics, lectures and tutorials/seminars between July and November. Attendance at this prescribed programme is mandatory. Students who have achieved less than 50 per cent in their community project will be afforded an opportunity to revise their project.

If all of the above requirements are met the student will be permitted to sit a supplemental final examination in November.

DIPLOMA IN DENTAL NURSING

42 The course is intended to enable students to acquire the skills needed to satisfy the Dental Council's requirements for entry onto the voluntary register of dental nurses. A dental nurse plays a vital role in assisting the dentist in the provision of patient care. Dental nurse assistance is multifaceted in nature and duties may range from infection control and prevention, chairside assistance and management of the dental surgery.

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

Award

43 The Diploma in Dental Nursing will be awarded to students who have successfully completed the outlined modules and passed all of the required assessments.

Duration

44 The duration of the course is two years and will require clinical placements in the Dublin Dental University Hospital and in external dental and hospital settings.

Admission

45 Application for admission from E.U. applicants should be made to the Central Applications Office (C.A.O.), Tower House, Eglinton Street, Galway. Mature applicants must submit two application forms: (i) the C.A.O. form direct to the Central Applications Office and (ii) the T.C.D. mature student supplementary application direct to the University. Both must be received by 1 February. Late applications will not be accepted. Non-E.U. applicants should apply direct to the Admissions Office, 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.

Modules and examinations

First year

Modules

46 The modules of the first year are:

Microbiology and pathology (10 credits)

Physiology and medical emergencies; clinical dentistry I (10 credits)

Anatomy, public oral health and social concepts in dentistry (10 credits)

Clinical dentistry II and computer skills (5 credits)

Clinical placements I (25 credits)

Examination

47 In order to obtain credit for the first year students are required to obtain an overall pass

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grade in the following assessments: written examinations, multi-station practical examinations, a poster presentation, an assignment, computer training, clinical assessments, logbook and have satisfactory levels of clinical attendance.

Where students fail to obtain credit for the year by achieving an overall pass grade, they will be required to pass a supplemental examination in the component that was not completed satisfactorily. Students will not be permitted to enter the second year until they have obtained credit for the modules of the first year and have passed their written and multi-station practical examinations, logbook, poster presentation, an assignment, computer training, clinical assessments and have satisfactory levels of clinical attendance. Students who have unsatisfactorily completed the components of the first year and/or have unsatisfactory clinical attendance may be given permission to repeat the year. Students who do not complete the annual or supplemental assessments due to exceptional circumstances or illness may be given permission to repeat the year subject to the approval of the Senior Lecturer.

Second year

Modules

48 The modules of the second year are:

Clinical dentistry III, practice management and health psychology (10 credits)

Clinical placements II (45 credits)

Case study (5 credits)

Examination

49 To be admitted into the final examination, students must have satisfactorily achieved: appropriate level of clinical attendance for both internal and external clinical placements, the continuous clinical assessments and the portfolio of experience. The final examinations consist of a written examination, clinical practical examination, case study written report and a case study oral presentation to include a *viva voce* examination.

In order to obtain credit for the second year students are required to obtain an overall pass grade in all written examinations, clinical practical examinations, case study written and oral presentation (to include a *viva voce* examination), clinical assessments, portfolio of experience and have satisfactory levels of clinical attendance. 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 satisfactorily. Students who do not complete the annual or supplemental assessments or have unacceptable levels of clinical attendance due to exceptional circumstances or illness may be given permission to repeat the year subject to the approval of the Senior Lecturer.

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. 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. Similarly a significant fitness to practise issue may result in exclusion. 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. Students should be advised that a significant fitness to practise issue may result in them being unable to continue in the course.

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 as non-satisfactory, in keeping with the regulations of the University Council.

4 Students are required to familiarise themselves with the requirements 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.

Instruction in ethical practice of medicine and professional development takes place in all years of the undergraduate programme and credit for these elements is incorporated into the assessment of complementary modules such as behavioural science, clinical skills and jurisprudence. Within these modules a small percentage of marks are 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.

Intercalated M.Sc. for medical students

7 An intercalated M.Sc. degree in biomedical sciences is available for medical students; see PART 2 OF THE CALENDAR — GRADUATE STUDIES AND HIGHER DEGREES. 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 attaining overall grades of above 60 per cent in all third year modules. Normally candidates must also have risen with their year at the end of each year of the course so far completed. Candidates who have repeated a year of the course may be considered in exceptional circumstances.

Moderatorship for medical students

8 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 structural biology, immunology, 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. Candidates who have repeated a year of the course may be considered in exceptional circumstances.

Repetition of modules and examinations

9 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. 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 module or modules passed in a previous year unless it is specifically recommended following appeal by the student to the court of first appeal.

Faculty of Health Sciences

Precautions against infectious diseases

10 With regard to the transmission of infectious diseases the School of Medicine at Trinity College Dublin strikes a balance between our pastoral responsibility to individual students applying for entry and our overriding duty of care to the public with whom medical students are in close contact. In this context the school is obliged to ensure that reasonable and appropriate measures are taken not only to safeguard the students and their colleagues, but also the patients and members of the public. Details of the vaccination programmes and the blood borne viruses (BBV) policy for medical students are available at the Medical School Office. The BBV policy for medical students is also available on the School of Medicine website.

11 All health care professionals have a duty of care to the public. 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 or the College Health Service prior to registration to certify their vaccination status or immunity to tuberculosis, measles, mumps, rubella and chickenpox. In addition, students must produce evidence of their hepatitis B and C status and where appropriate confirmation that they do not have active disease. Students who are hepatitis B negative but not already deemed to be immune to hepatitis B will be required to undergo a course of vaccination. Details of the specific investigations required and the vaccination programmes available are communicated to applicants as part of the admissions process (in the infectious diseases information booklet) and are available at all times in the Medical School Office.

12 In the rare circumstances where a student acquires a blood borne virus infection during their studies the school will consider all appropriate measures to accommodate their needs in accordance with statutory requirements. Details of the management of students who become infected with a blood borne virus during their course are outlined in the blood borne viruses policy.

13 In the event of a student becoming aware of any life threatening infectious condition that could be transmitted to a patient or fellow health worker, such as HIV, hepatitis B, hepatitis C, tuberculosis, chickenpox, measles or rubella 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.

14 Counselling for applicants who test positive for blood borne viruses can be arranged through the College Health Service. Applicants with active infection who successfully undergo treatment, which renders them no longer an infectious risk to patients, may then reapply for admission to the course. Students should be advised that restricted practice and monitoring arrangements including re-testing requirements may apply.

15 In order to ensure that students are properly supported and monitored and to minimise any detrimental effects on the provision of training to other students and most importantly to ensure protection of all patients, the College will only admit and retain students that it can reasonably accommodate who are positive with a blood borne virus at any one time. If the College is unable to reasonably accommodate a student with a BBV, the offer of a place for new entrants or re-registration for those previously registered will be rescinded and all fees paid will be refunded.

16 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.

First medical year

Modules

17 The first medical year comprises four modules. These are: (1) Human form and function (30

credits), (2) Human development, behavioural science and ethics (15 credits), (3) Evolution and life (10 credits), (4) Science and the humanities (5 credits).

18 The subjects which contribute to these modules are: anatomy, biology, biochemistry, behavioural science, ethics, genetics, physiology, psychology, public health and primary care, science and the humanities and sociology. Detailed information is given in the study guide for the year.

Credit for the first medical year examinations

19 During the first medical year students are examined in all modules. The pass mark for the year in each module is 50 per cent. Borderline students may be called to an oral examination (*viva*) with an examiner who may be drawn from any or from all of the following disciplines: anatomy, biochemistry, physiology, public health and primary care, psychology and ethics, see School of Medicine *viva* policy in study guide. Intermodular compensation may be sanctioned by the relevant court of examiners meeting in particular circumstances (see study guide). Distinctions are awarded on a modular and/or discipline 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 study guide for the year. Supplemental examinations are held in Michaelmas term.

20 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

21 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 last week in September until the end of June.

Modules

22 There are seven modules in the second medical year which accrue 60 credits in total. These are: (1) Molecular and translational medicine (5 credits), (2) Clinical biochemistry (5 credits), (3) Principles of pharmacology and practical scientific research (10 credits), (4) Head and neck anatomy (5 credits), (5) Neuroscience (15 credits), (6) Aetiology and mechanisms of disease (10 credits), (7) Fundamentals of clinical and professional practice (10 credits).

23 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 modules such as clinical skills, professionalism and clinical attachments. Within these modules 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

24 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. Borderline students may be called to an oral examination (*viva*), see School of Medicine *viva* policy in study guide. Supplemental written examinations and clinical skills assessment will be held in August or September.

Faculty of Health Sciences

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

Clinical subject

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

Third medical year

Admission

26 In order to enter the third medical year, students must have obtained credit for all elements of the previous year or have satisfied admission requirements by the standard that has been achieved in another appropriate course. The course extends from the last week in September until the end of June.

Clinical subjects

27 The third medical year begins on the last Monday in August and extends to the end of June. For many activities, especially clinical rotations, the class is divided into groups by the school. Student requests to swap within groups will not be granted.

Students must attend hospital as scheduled in order to meet the requirements for entry to the final medical examination. There is a break at Christmas. There is also a summer vacation of one month to be taken in July or August, with the alternate month being allocated for elective practice. Details of elective practice requirements are outlined in the third medical year and fourth medical year study guides. Credit for one month 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 must 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.

28 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 attendance is unsatisfactory or assessment is unfavourable. Students attend lectures, practicals and tutorials as required by detailed information given in the relevant study guide.

Modules

29 There are six modules of study in the third medical year accruing 60 credits in total. These are: (1) Pharmacology and therapeutics (5 credits), (2) Laboratory and investigative medicine (10 credits), (3) Principles of surgical practice (15 credits), (4) Principles of medical practice (15 credits), (5) Advanced clinical and professional practice (10 credits), (6) Principles and practice of evidence based medicine and elective practice 1 (5 credits).

Subjects of study

30 The subjects of study are:

- Pathology
- Microbiology, immunology and the epidemiology of infectious diseases
- Pharmacology and therapeutics
- Medicine (including global health and medical gerontology)
- Surgery (including ENT and ophthalmology)

Evidence based medicine
Clinical skills
Medical ethics
Behavioural science
Psychology applied to medicine

Third medical year examination

31 During the third medical year students are examined at the end of each term. Assessment formats will include written papers, project work, poster presentations and continuous assessment of clinical competency and professional development. It is the responsibility of all students to record all clinical exposure in the case based discussion booklet which will be provided at the beginning of the academic year. Review of the case based discussion booklet will contribute toward continuous assessment. Students must also complete and pass global determinants of health and disease. The clinical examination in the third term will have a small written component but will largely consist of a multi-station, multidisciplinary objective structured clinical examination (OSCE) and short case examination which may include any material covered in the year. No element of the third year can be carried forward. Students who fail any element will be required to sit a supplemental examination. Students must also pass the 'Psychology applied to medicine' assignment as part of the third medical year. Marks for this assignment will also contribute to the end of term assessment. The 'Evidence based medicine' module will also be assessed. The assessment in ophthalmology and diseases of the ear, nose and throat account for 10 per cent of the total marks of the final medical examinations in surgery.

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

Fourth medical year

Admission

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

Clinical course

34 The fourth medical year begins on the last Monday in August and extends until the end of June. Students who fail to attend at the start of term may be refused entry to the speciality rotational programme and may be required to repeat the year.

The main feature of this year is the speciality rotational programme.

Modules

35 There are seven modules of study in the fourth medical year accruing 60 credits in total. These are: (1) Obstetrics and gynaecology (10 credits), (2) Public health, primary care and epidemiology (10 credits), (3) Paediatrics and child health (10 credits), (4) Principles and practice of psychiatry (10 credits), (5) Professionalism and scientific method (10 credits), (6) Jurisprudence, ethics and law (5 credits), (7) Elective practice 2 (5 credits).

Subjects of study

36 The subjects of study are:

Paediatrics
Psychiatry
Obstetrics and gynaecology
Public health and primary care
Jurisprudence

Faculty of Health Sciences

Ethics

Professional development

Students must attend lectures and clinical attachments during this year according to the timetable provided.

Final medical examination, part I

Public health, primary care and epidemiology; medical jurisprudence, ethics and law

37 Students are admitted to the final medical examination in public health, primary care and epidemiology, medical jurisprudence, ethics and law during the fourth medical year, provided they have obtained credit for the modules in these subjects. A supplemental examination is held before the beginning of the following final medical year.

Final medical examination, part II

Obstetrics and gynaecology

38 Students are admitted to the final medical examination in obstetrics and gynaecology during the fourth medical year, provided they have (i) satisfactory clinical attendance at recognised general and special hospitals; (ii) (a) satisfactory clinical 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 clinical cases, (d) satisfactory attendance at a series of demonstrations in clinical gynaecology. Provisional results will be considered at the fourth medicine court of examiners but will be reported at the final medicine court of examiners on completion of the final year. A supplemental examination is held before the beginning of the following final medical year.

Final medical examination, part III

(a) Medicine/psychiatry (including therapeutics); (b) Paediatrics and child health

39 Students are admitted to the final medical examination in principles and practice of psychiatry and paediatrics and child health during the fourth medical year provided they have obtained credit for modules in these subjects and have satisfactory clinical attendance on a psychiatry and paediatric rotation at a hospital recognised by the school. Students should note that psychiatry also forms part of the modules included in the fifth medical year. Provisional results will be considered at the fourth medicine court of examiners but will be integrated with the marks obtained in medicine in the fifth medical year and reported at the final medicine court of examiners on completion of the final year. A supplemental examination is held before the beginning of the following final medical year.

Fifth medical year

Admission

40 In order to enter the fifth medical year, students must have obtained credit for all the modules of the previous medical year.

41 The fifth medical year begins on the last Monday in August and continues until the final examination usually in April.

Modules

42 There are four modules in the fifth medical year accruing 60 credits. These are: (1) Integrated surgical science and practice (20 credits), (2) Integrated medical science and practice (20 credits), (3) Competency based preparation for practice (10 credits), (4) Elective practice 3 (10 credits). It is essential that students satisfactorily complete all competency based elements of the programme prior to proceeding to final examinations in surgery and medicine.

43 The main feature of this year is the specialist attachment programme, which is organised jointly by the Departments of Clinical Medicine and Surgery.

44 Attendance at the clinical attachment programme including lectures, tutorials and practical

sessions, is mandatory. Poor attendance may preclude students from entering final examinations. Students are reminded of the requirement for satisfactory completion and appropriate professional behaviour on clinical placements in hospitals and other clinical environments.

45 Subjects of study include general medicine, general surgery, emergency medicine, care of acutely ill medicine, therapeutics and psychiatry, competency based preparation for practice, clinical skills, intern shadowing and clinical attachment programme. Clinicopathological conferences, clinical therapeutics conferences, lectures, tutorials and seminars are held throughout the year.

Final medical examination, parts III-IV

Subjects

46 The subjects are:

III (a) Medicine/psychiatry (including therapeutics); (b) Paediatrics and child health
IV Surgery (including ENT, ophthalmology)

Students will be admitted to the final medical examination, parts III and IV if they have obtained satisfactory credit for these subjects. The assessment in ophthalmology and diseases of the ear, nose and throat (parts of the surgery examination) are held in the third medical year and account for 10 per cent of the total marks in surgery. Prior examination and assessment marks are held at various stages, the marks are carried forward for inclusion in the final examinations parts III or IV.

There will be written and practical examinations in medicine/psychiatry (including therapeutics) and surgery. 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 the written and clinical component of that subject, even if they have previously passed the written component, unless the court 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 an overall average grade of 60 per cent or above in the clinical and written component of all three parts of the final examinations i.e. in part II, part III (a), part III (b) and part IV and not less than 55 per cent in any one single component. Overall first class honors are awarded to candidates who achieve an overall average grade of 70 per cent or above in the clinical and written component of all three parts of the final examinations i.e. in part II, part III (a), part III (b) and part IV and not less than 65 per cent in any one single component. 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 fifth 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 (including therapeutics), in paediatrics and child health 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). Students should refer to school policy on *viva voce* examinations.

Gold medals and prizes are awarded by the Board of the College to candidates who have passed with overall first class honors and who have shown exceptional merit. Students may be required to attend a *viva voce* examination.

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

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

Faculty of Health Sciences

Candidates will be required to take the final examination, parts III and IV, at the times set out above and must pass all parts not later than the supplemental examination period. Students repeating parts of the final examination under this regulation are required to retake only those parts (clinical and written components) for which they have not yet obtained credit, but see also section (III) below relating to paediatrics and child health. If more than two academic years have lapsed since obtaining credit for one or more parts, students may be required to undergo a programme of professional re-orientation.

II OBSTETRICS AND GYNAECOLOGY

48 Students must have completed the final medical examination in obstetrics and gynaecology in the fourth medical year. The results will be reported at the final medicine court of examiners in conjunction with the other parts that constitute the degrees of Bachelor in Medicine (M.B.), Bachelor in Surgery (B.Ch.) and Bachelor in Obstetrics (B.A.O.).

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

49 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;
- (ii) satisfactory attendance for clinical instruction on a specialist rotation in psychiatry at a hospital recognised by the school;
- (iii) satisfactory attendance at a course in paediatrics and child health at hospitals accredited by the school and have 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 and child health and in all continuous assessment elements of each course. Candidates who pass (a) or (b) but fail in the other will be re-examined in the subject(s) (written and clinical components) in which they have failed.

IV SURGERY (INCLUDING ENT, OPHTHALMOLOGY)

50 Students are admitted to the final examination in surgery on condition that they have satisfactorily completed attendance at a general and/or specialist hospital recognised by the school.

Re-examination

51 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 remedial clinical instruction subsequent to the date of remission.

Recognised hospitals and units for clinical practice

52 The following hospitals and units are recognised for clinical practice:

St James's Hospital
Adelaide and Meath Hospital, Dublin incorporating the National Children's Hospital
Naas General Hospital
Royal Victoria Eye and Ear Hospital
Coombe Women and Infants University Hospital
National Maternity Hospital
National Rehabilitation Hospital
The Rotunda Hospital
Children's University Hospital, Temple Street
Our Lady's Hospital for Sick Children, Crumlin
Central Mental Hospital, Dundrum
St Patrick's University Hospital
St Edmundsbury Hospital

Peamount Hospital
Our Lady's Hospice, Harold's Cross including the New Hospice, Blackrock
Bloomfield Care Centre
The Hermitage Medical Clinic

Degrees

53 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.

54 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

55 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

56 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, Kingram House, Kingram Place, Dublin 2, to which all such enquiries should be addressed.

Registration as a medical practitioner

Provisional registration

57 On receiving their medical qualification, students must first register provisionally with the Medical Council, Kingram House, Kingram Place, Dublin 2.

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 or other medical regulatory body. 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

58 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 coordinator 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.

Faculty of Health Sciences

DEGREE OF BACHELOR IN SCIENCE (OCCUPATIONAL THERAPY) (B.Sc. (Cur. Occ.))

Professional lectures and practice education

59 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. Unsatisfactory attendance in individual modules may result in the student being returned as non-satisfactory to the Senior Lecturer. Such students may be refused permission to take the annual examinations and may be required to repeat the year.

Students must satisfy all practice education module requirements to be allowed rise with the year. Practice education takes place in a variety of settings. The Practice Education Committee retains the prerogative of approving those services, which meet requirements both of the College and of the World Federation of Occupational Therapists. Practice 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 professional practice education. The Practice Education Committee maintains a system of contact with students whilst they engage in practice placements.

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 module or modules 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 value of each year of the course is 60 credits.

Fees

60 See COLLEGE CHARGES.

Precautions against infectious diseases

61 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.

62 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.

63 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.

64 Registered students in occupational therapy must demonstrate that they are free from any life threatening infectious condition that could be transmitted to a patient or fellow health worker. Such conditions include hepatitis B, hepatitis C, 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.

65 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. Students must produce a medical certification confirming that they are not a risk to transmission of infection. All said certification must be submitted prior to the commencement of practice education placements. Failure to produce this evidence will result in the student not being permitted to go on practice education placements.

Garda/police vetting

66 Registered students in occupational therapy must comply with College regulations for Garda/police vetting. Failure to do so will result in not being permitted to go on practice education placement. If, as a result of the outcome of these vetting procedures, a student is deemed unsuitable to attend clinical or other professional placements, he/she may be required to withdraw from his/her programme of study.

First year

Modules

67 The modules of the first year are study of occupation (10 credits), disability studies (5 credits), professional development (introduction to professional development, critical thinking in occupational therapy, introduction to occupational therapy theories and processes, independent learning unit, moving and handling, communications) (10 credits), applied psychology to occupational therapy and developmental psychology (10 credits), introduction to psychology (5 credits), applied anatomy of occupational therapy (5 credits), anatomy of upper limb (5 credits), scientific basis for nursing (human biology) (5 credits), practice education (level 1) (5 credits).

Examinations

68 Modules that are taught are examined by the end of the academic year. All Junior Freshman students must present themselves for examination at specified times throughout the academic year and must submit all project work and assignments at the designated times. Details of examinations and assignments/project work are outlined in the students' handbook for each module. Students must complete all the assessment components of each module in order to be awarded an overall pass grade for each module. Students obtaining an overall fail grade, in one module only, may be permitted to compensate if the fail grade falls in a borderline range. A borderline mark in anatomy is 45-49 per cent and 35-39 per cent in the other modules. Supplemental examinations will be held in Michaelmas term. Compensation may be permitted at the supplemental examinations at the discretion of the court of examiners.

Registered students are required to pass each component of the professional development module and the study of occupation. Students are also required to be graded competent in all the practice education assignments for the year to rise with their class.

69 Students who fail a supplemental examination, supplemental assignment 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

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

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Modules

71 The modules of the second year are study of occupation practice and review (5 credits), disability studies and adults with intellectual disability (5 credits), professional development (including creative problem solving, upper limb interventions/splinting, assistive technology, communications/narrative reasoning) (5 credits), practice education (level 2) (5 credits), social and personality psychology (5 credits), conditions in occupational therapy (5 credits), occupational therapy theory and interventions for adults: physical 1 (5 credits), occupational therapy for older adults 1 (5 credits), research methods and statistics (5 credits), advanced anatomy and physiology (5 credits), foundations of disease and pharmacological intervention (5 credits) and advanced human physiology (5 credits).

Examinations

72 Modules that are taught are examined by the end of the academic year. All Senior Freshman students must present themselves for examination at specified times throughout the academic year and must submit all project work and assignments at the designated times. Details of examinations and assignments/project work are outlined in the students' handbook for each module. Module weightings and regulations for each module are outlined in the students' handbook. Students must complete all the assessment components of each module in order to be awarded an overall pass grade for each module. With the exception of practice education (level 2), students failing in one module only, may be permitted to compensate having attained a borderline mark in that module. The borderline range is 35-39 per cent. Supplemental examinations/assessments will be held in Michaelmas term. Compensation may be permitted at the supplemental examinations at the discretion of the court of examiners.

Students are required to be graded competent in all the practice education (level 2) assignments for the year to rise with their class.

73 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

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

Modules

75 The modules of the third year are social policy concepts (5 credits), evaluative practice (5 credits), occupational therapy for adults: physical 2 (5 credits), occupational therapy and older adults 2 (5 credits), occupational therapy for mental health (5 credits), professional development (peer education and group facilitation) (5 credits), research methods (5 credits), study of occupation (5 credits), occupational therapy for children (5 credits), health psychology (5 credits) and practice education (level 3) (10 credits).

Examinations

76 Modules that are taught are examined by the end of the academic year. All Junior Sophister students must present themselves for examination at specified times throughout the academic year and must submit all project work and assignments at the designated times. Details of examinations and assignments/project work are outlined in the students' handbook for each module. Module weightings and regulations for each module are outlined in the students' handbook. Students must complete all the assessment components of each module in order to be awarded an overall pass grade for each module. No compensation is allowed between modules at annual or supplemental examinations.

Students are required to be graded competent in all the practice education (level 3) assignments for the year to rise with their class.

A maximum of 40 per cent may be awarded for any module taken at a supplemental examination that contributes to the calculation of the final degree. Modules taken in the Junior

Sophister year that contribute to the calculation of the final degree and their weighting to the final degree are outlined in the students' handbook.

77 Students who fail a supplemental examination or supplemental assignment or supplemental practice education (level 3) 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

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

Modules

79 The modules of the fourth year are social policy analysis (5 credits), study of occupation (5 credits), occupational therapy case studies (10 credits), ethical considerations in context (5 credits), evaluative practice – bringing evidence to practice (5 credits), practice education (level 4) (10 credits), research (15 credits) and disability studies (5 credits).

Final examination

80 Modules that are taught are examined by the end of the academic year. To be admitted to the final examination students must have obtained credit for all of the first, second and third years of the course requirements. Students who have not satisfactorily completed the required thirty-three 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 seven areas: social policy, disability studies, study of occupation, occupational therapy case studies, research project, ethical considerations in context and evaluative practice – bringing evidence to practice. Details regarding the examination of each module are outlined in the students' handbook. Students must present themselves for examination at the specified times and submit all project work and assignments on time. Details of submission dates are provided in the students' handbook, penalties are applied for late submission of work that contributes to the calculation of the final degree, details of penalties are outlined in the students' handbook. 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 will be required to repeat the relevant examination(s) and/or resubmit the relevant assignment(s) at the supplemental examination which is held in Michaelmas term. A maximum of 40 per cent may be awarded for any passed supplemental examination or assignment. The weightings of the various examinations and assessments in the Senior Sophister year that contribute to the calculation of the final degree mark are outlined in the students' handbook.

81 Students are required to take the final examinations at the annual examination period.

Students who fail any examinations or project work/assignments may repeat these at the supplemental examination period. Students who fail practice education placement must pass the repeat before the supplemental examination period. Students who fail the supplemental examination or practice education placement will only in exceptional circumstances and by special permission of the examination board be allowed to repeat the year.

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

Professional lectures and clinical practice

82 The course consists of four academic years.

Clinical practice commences in 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

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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 module or modules 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. The degree of M.Sc. (Ind.) will be conferred upon students who successfully complete the Master in Science research programmes. For regulations see PART 2 OF THE CALENDAR — GRADUATE STUDIES AND HIGHER DEGREES.

Fees

83 See COLLEGE CHARGES.

Precautions against infectious diseases

84 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.

85 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.

86 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, 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.

87 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

Modules

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

Examinations

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

90 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

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

Clinical practice

92 Clinical practice commences at the end of the second year and continues throughout the third and fourth years of the course with placements in June and/or September.

Students are assigned to recognised hospitals and clinics throughout Ireland. The practice 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.

Modules

93 The modules 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

94 Practical examination of physiotherapy theory and practice I and the practical components of clinical sciences in physiotherapy I takes place during the teaching terms. Examinations in anatomy will be held at the end of each term. Written examinations in physiotherapy theory and practice and in clinical sciences in physiotherapy I are held at the end of the year. Preparation for clinical practice and clinical placement is assessed by the clinical appraisal form.

Supplemental examination for the practical assessments are held prior to students commencing clinical placement. Other supplemental examinations are held during Michaelmas term. 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

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

Modules

96 The modules of the third year are scientific investigation (research methods, statistics, literature review, outcome measures) (15 credits); rehabilitation in bone and joint disease (orthopaedic rehabilitation, rheumatology, musculoskeletal medicine, women's health) (15 credits); chronic disease management and rehabilitation (respiratory medicine, cardiology, oncology, neurology, mental health) (10 credits); paediatrics and learning disability (5 credits); psychology (5 credits); clinical practice (10 credits).

Examinations

97 There will be two 3-hour papers examining rehabilitation in bone and joint disease and chronic disease management and rehabilitation at the end of the year. Two literature reviews will be submitted during the year (one in each term). An assessment in statistics will take place during the year. Assignments in outcome measures, psychology and paediatrics and learning disability will be submitted during the year. The examinations, assignments and clinical assessments will all contribute to the overall grade granted at the end of the academic year.

Supplemental examinations are held during Michaelmas term. 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.

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Fourth year

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

Modules

99 The modules of the final year are scientific investigation (research proposal, research assignment) (20 credits); option (5 credits); sports and exercise medicine (5 credits); physiotherapy management and ergonomics (health care policy, professional issues, ergonomics, global health, community health) (10 credits); clinical practice (20 credits).

Final examination

100 The final examination is held at the end of the second term and consists of two written papers examining sports and exercise medicine and physiotherapy management and ergonomics. The option will be assessed during the year by a written assignment and an oral presentation. The clinical appraisal marks awarded on clinical placement throughout the fourth year and an assessment on the management of a patient will contribute towards the final award.

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.

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.

101 *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
St James's Hospital	Central Remedial Clinic
Our Lady's Hospital for Sick Children, Crumlin	Scoil Mochua
Beaumont Hospital	Tullamore General Hospital
The Royal Hospital, Donnybrook	National Rehabilitation Hospital

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

DEGREE OF BACHELOR IN SCIENCE (RADIATION THERAPY) (B.Sc. (Ther. Rad.))²

*Regulations*³

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

103 Clinical practice will take place during the summer vacations in the second and third years of the programme. In second year this will comprise four weeks and in third year six weeks. Some clinical teaching will take place outside normal working hours. In second, third and fourth year clinical placement will be scheduled during both vacation periods. Students will be placed outside of the Dublin area for clinical practice. Associated costs shall be borne by the student. Students are required to have Garda clearance prior to commencing clinical practice.

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

²The curriculum is currently under review and is likely to change in the 2011-12 academic year.

³These regulations should be read in conjunction with GENERAL REGULATIONS AND INFORMATION.

Fees

105 See COLLEGE CHARGES.

Precautions against infectious diseases

106 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.

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

108 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.

109 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, 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.

110 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

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

112 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.

113 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.

114 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.

115 Clinical practice in the Junior Sophister year contributes to the final degree award.

Examinations

116 Annual examinations are held during the annual examination period with the exception of

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the Senior Sophister final examination which will take place during the twelfth week 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 online and the onus lies on each student to establish the dates, times and venues of their own examinations.

117 Students are normally required to pass in all modules in order to rise with their class.

118 Satisfactory completion of clinical placement is mandatory in order for students to rise with their class.

119 Students failing in one or two modules will normally be permitted to take a supplemental examination in the failed module(s) only. Students failing in more than two modules will be required to repeat all modules at the supplemental examinations.

120 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 module or modules already passed. Repetition requires full attendance at lectures and at other academic and practical instruction.

121 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.

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

Junior Freshmen

Modules

123 *Academic component:* The modules of the Junior Freshman year are biological principles and properties, chemical principles and properties, anatomy, physics for radiation therapy, principles and practice of cancer care and psychology.

Clinical practice: Observation and practice in a recognised clinical setting. Components of the clinical programme will require attendance outside normal working hours.

Examination

124 All Junior Freshman students must present themselves for examination at the specified times. Modules will be assessed by examination and/or in-course assessment. Modules for assessment are as follows:

- Biological principles and properties (10 credits)
- Chemical principles and properties (10 credits)
- Anatomy (10 credits)
- Physics for radiation therapy (10 credits)
- Principles and practice of cancer care (5 credits)
- Psychology (5 credits)
- Clinical practice (10 credits)

Senior Freshmen

Modules

125 *Academic component:* The modules of the Senior Freshman year are physics for radiation therapy, biochemistry, physiology, anatomy, radiographic anatomy, communication, principles and practice of cancer care, research methodology and statistics.

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

Examination

126 All Senior Freshman students must present themselves for examination at the specified

times. Modules will be assessed by examination and/or in-course assessment. Modules for assessment are as follows:

- Physics for radiation therapy (5 credits)
- Biochemistry (5 credits)
- Physiology (5 credits)
- Anatomy (10 credits)
- Radiographic anatomy (5 credits)
- Communication (5 credits)
- Principles and practice of cancer care (5 credits)
- Research methodology and statistics (5 credits)
- Clinical practice (15 credits)

Junior Sophisters

Modules

127 *Academic component:* The modules of the Junior Sophister year are anatomy, principles and practice of cancer care, radiobiology, radiotherapy treatment planning, radiotherapy treatment simulation, physics for radiation therapy.

Clinical practice: Thirteen weeks in the radiotherapy department of an approved hospital. Some of this will take place outside term time.

Examination

128 All Junior Sophister students must present themselves for examination at the specified times. Modules will be assessed by examination and/or in-course assessment. Modules for assessment are as follows:

- Anatomy (10 credits)
- Principles and practice of cancer care (10 credits)
- Radiobiology (5 credits)
- Radiotherapy treatment planning (5 credits)
- Radiotherapy treatment simulation (10 credits)
- Physics for radiation therapy (5 credits)
- Clinical practice (15 credits)

Senior Sophisters

Modules

129 *Academic component:* The modules of the Senior Sophister year are principles and practice of cancer care, radiotherapy treatment simulation and treatment 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: A minimum of fifteen weeks in a radiotherapy department of an approved hospital. One week will take place outside term time.

Examination

130 All Senior Sophister students must present themselves for examination at the specified times. Modules will be assessed by examination and/or in-course assessment. Modules for assessment are as follows:

- Principles and practice of cancer care (5 credits)
- Radiotherapy treatment simulation and treatment planning (5 credits)
- Health care management (5 credits)
- Project (20 credits)
- Clinical practice (25 credits)

131 *Recognised hospitals for clinical practice*

St Luke's and St Anne's Hospital

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Cork University Hospital
University College Hospital, Galway
Mater Misericordiae Private Hospital
St Vincent's Private Hospital
Galway Clinic
Limerick Clinic
St James's Hospital
Beaumont Hospital
The Beacon Clinic
UPMC Whitfield Cancer Centre
The Hermitage Medical Clinic

DEGREE OF BACHELOR IN SCIENCE (HUMAN NUTRITION AND DIETETICS)

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

Entrants prior to 2009-10

133 The course is a full-time course leading to the award of a B.Sc. degree in Human Nutrition and Dietetics (B.Sc. (Hum. Nut.)) (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.

134 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 are based in the Dublin Institute of Technology at Kevin Street. For the final two and a half years of the course, students are based both in the University of Dublin and in the Dublin Institute of Technology at Kevin Street, Dublin 8.

Entrants from 2009-10 onwards

135 Entrants enrol on a four year full-time course leading to the B.Sc. degree in Human Nutrition and Dietetics (B.Sc. (Hum. Nut. & Diet.)) (with honors classification) awarded jointly by the University of Dublin and the Dublin Institute of Technology. Honors graduates will be eligible to apply for posts to work in the clinical setting as dietitians.

136 The course is conducted conjointly by the Dublin Institute of Technology and the University of Dublin.

Admission

137 Full details of admission requirements and procedures may be obtained from the Admissions Office, Dublin Institute of Technology, 143-149 Rathmines Road, Dublin 6, before the C.A.O. deadline of the intended year of entry.

Fees

138 See COLLEGE CHARGES.

Academic progress

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

140 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 modules 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.

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141 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 (new course)

Modules

142 The modules of the Junior Freshman year are biochemistry, cell biology 1, cell biology 2, chemistry for human nutrition, communications, food studies, microbiology/immunology, physics and the human body, physiology 1, physiology 2 and statistics for the nutritional sciences.

Examinations

143 Examinations are held in biochemistry, cell biology 1, cell biology 2, chemistry for human nutrition, communications, food studies, microbiology/immunology, physics and the human body, physiology 1, physiology 2 and statistics for the nutritional sciences. All modules will also be assessed by continuous assessment and/or practical work.

144 Students failing a module or modules should refer to the examination and assessment regulations of the Dublin Institute of Technology.

Senior Freshmen (new course)

Modules

145 The modules of the Senior Freshman year are biochemistry, behavioural science, cell biology, clinical chemistry, communications, nutrition science 1, nutrition science 2, nutrition through the life cycle, physiology, physiology/immunology, professional practice studies. A practical placement of four weeks' duration (practice placement A) will be completed during the summer vacation prior to the beginning of the Senior Freshman year.

Examinations

146 Examinations are held in biochemistry, behavioural science, cell biology, clinical chemistry, communications, nutrition science 1, nutrition science 2, nutrition through the life cycle, physiology, physiology/immunology, professional practice studies. All modules will also be assessed by continuous assessment and/or practical work.

147 Students failing a module or modules should refer to the examination and assessment regulations of the Dublin Institute of Technology.

Junior Sophisters (new course)

Modules

148 The modules of the Junior Sophister year are nutrition and metabolism, applied nutrition, dietetics 1, dietetics 2, management, medical science, medicine and therapeutics and research methods 1 (epidemiology). The year begins with a practical placement/consolidation period of twelve weeks' duration (practice placement/consolidation B).

Examinations

149 Examinations are held in nutrition and metabolism, applied nutrition, dietetics 1, dietetics 2, management, medical science, medicine and therapeutics and research methods 1 (epidemiology). All modules will also be assessed by continuous assessment and/or practical work.

150 Students failing a module or modules should refer to the Trinity College Dublin examinations and general assessment regulations in addition to the assessment and progression regulations specified in the programme documents.

151 Performance in five modules taken in this year (nutrition and metabolism, applied nutrition,

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dietetics 1, dietetics 2 and medicine and therapeutics) will contribute to the final degree award (300 marks of the final aggregate maximum of 1,000). If a candidate successfully completes one or more supplemental examinations in these modules, results from the modules involved will be returned at 50 per cent for the purpose of calculating the degree aggregate results.

Senior Sophisters

Subjects of study

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

153 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

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

Examinations

155 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.

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

157 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).

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

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

DEGREE OF BACHELOR IN SCIENCE (HUMAN HEALTH AND DISEASE) (B.Sc. (Hom. Val.))⁴

Regulations⁵

160 The School of Medicine, in partnership with the School of Biochemistry and Immunology, offers a four-year course in human health and disease designed to provide an integrated education in structure and function of the human body, mechanisms of disease and the design of novel therapies. The course will emphasise the links between the scientific disciplines and the diagnosis, treatment and prevention of human disease.

The course is a full-time course leading to the award of a B.Sc. degree in Human Health and Disease.

Fees

161 See COLLEGE CHARGES.

⁴The Sophister curriculum is currently under review and may be subject to alteration.

⁵These regulations should be read in conjunction with GENERAL REGULATIONS AND INFORMATION.

Academic progress

162 Attendance is mandatory for all course components including lectures, practical classes and tutorials during the Junior Freshman year. Students must thereafter attend lectures regularly and are required to attend all practical classes and tutorials and perform and submit the assignments prescribed for the year. Details on assessment will be made available to students at the beginning of the academic year.

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.

To pass the Junior Sophister examination, students must achieve a mark of 40 per cent or higher in the overall examination. A student may rise as a Senior Sophister only by permission of the court of examiners and will not receive this permission unless they obtain an overall mark of 45 per cent, or better, at the Junior Sophister examination. If permission is granted for the Junior Sophister year to be repeated students sitting the Junior Sophister examination for the second time must achieve an overall mark of 50 per cent or higher to proceed to the Senior Sophister year.

Students who have passed the Junior Sophister examination may have the ordinary degree of B.A. conferred if they do not choose, or are not allowed, to proceed to the Senior Sophister year. Except by permission of the University Council, on the recommendation of the court of examiners, the ordinary degree of B.A. may be conferred only on candidates who have spent at least three years in the University.

Examinations

163 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.

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 module or modules already passed. Repetition requires full attendance at lectures and at other academic and practical instruction.

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.

Junior Freshmen

Modules

164 Compulsory modules for the Junior Freshman year are introductory human cell biology and genetics (10 credits), human health and disease tutorials I (10 credits), chemical principles and properties (10 credits), mathematical methods (10 credits), human tissue types (5 credits), human developmental biology (5 credits) and introduction to psychology (5 credits). A further 5 elective credits are taken in a Broad Curriculum or language module.

Examination

165 All Junior Freshman students must present themselves for examination at specified times in all terms. Modules will be assessed by examination and/or in-course assessment.

Senior Freshmen

Modules

166 Compulsory modules for the Senior Freshman year are cell structure and function (5 credits), metabolism (5 credits), human form and function (30 credits), research methods and statistics (5 credits), microbiology and immunology (5 credits) and human health and disease tutorials II (5 credits). A further 5 elective credits are taken in a Broad Curriculum or language module.

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Examination

167 All Senior Freshman students must present themselves for examination at specified times in all terms. Modules will be assessed by examination and/or in-course assessment.

Junior Sophisters⁶

Modules

168 Compulsory modules for the Junior Sophister year are principles of pharmacology (10 credits), cell function in health and disease (5 credits), gastrointestinal disease (5 credits), cardiovascular, renal and respiratory disease (5 credits), nutrition, metabolism and metabolic disorders (5 credits), eukaryotic gene structure and expression (5 credits), core concepts in immunology (5 credits), neurodegenerative and psychiatric disease (5 credits), exercise in disease prevention and patient rehabilitation (5 credits) and human health and disease tutorials III (10 credits).

Examination

169 All Junior Sophister students must present themselves for examination at specified times in all terms. Modules will be assessed by examination and/or in-course assessment.

Senior Sophisters⁶

Modules

170 All students will undertake a research project of three months in duration and relevant to human health and disease (20 credits). Compulsory taught modules are molecular oncology (10 credits), age related disease and regenerative medicine (5 credits), advanced diagnostics and therapeutics (5 credits), imaging and clinical measurement (10 credits), public health and health psychology (5 credits) and research ethics, intellectual property and commercialisation (5 credits).

Examination

171 All Senior Sophister students must present themselves for examination at specified times in all terms. Modules will be assessed by examination, in-course assessment and preparation of a written research dissertation. Final assessment in the Senior Sophister year includes a *viva voce* examination with an external examiner.

SPECIAL LECTURES

MARY LOUISA PRENTICE MONTGOMERY LECTURESHIP IN OPHTHALMOLOGY

172 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 the Royal College of Surgeons in Ireland for the period 2011-15.)

JOHN MALLET PURSER LECTURESHIP

173 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.

⁶The Sophister curriculum is currently under review and may be subject to alteration.

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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

174 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

175 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 director of the relevant course 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 director of the relevant course in the first instance and thereafter may be referred to the Fitness to Practise Committee.

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

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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.) and B.Sc. (A. Obs.) degree programmes, 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 Dublin Mid-Leinster Area and St Patrick's University 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. A Senior Sophister student, who, after completion of the supplemental examinations (theoretical and/or practical), has failed any of the supplemental examinations, may apply to the Senior Lecturer to go 'off-books, examination-only' and repeat theory modules only in the next year or withdraw from the Bachelor in Science (Nursing) course.

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. Students failing to attend these training sessions will be required to arrange and attend approved external training sessions at their own expense. Failure to complete these sessions within the correct time-frame will result in students not being permitted 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 module or modules 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, module weightings and marking schemes are provided to students at the beginning of each academic year.

Modules

13 The ECTS credits for the B.Sc. (Cur.) course are 245. The ECTS credits for the children's and general nursing course are 285. The ECTS credits for each module are listed in brackets below.

Junior Freshmen

GENERAL NURSING

Scientific basis for nursing (5 credits); introduction to psychology (5 credits); the sociology of health and illness (5 credits); health promotion and research (5 credits); communication and essential skills for nursing practice (5 credits); historical, legal and theoretical foundations of nursing (5 credits); introduction to general nursing 1 (5 credits); introduction to general nursing 2 (5 credits); nursing in specialist services (5 credits); community nursing and care of the older person (5 credits); practice placement (10 credits). Total credits for the year: 60

PSYCHIATRIC NURSING

Scientific basis for nursing (5 credits); introduction to psychology (5 credits); the sociology of health and illness (5 credits); health promotion and research (5 credits); communication and essential skills for nursing practice (5 credits); historical, legal and theoretical foundations of

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nursing (5 credits); theoretical perspectives on mental health/illness (5 credits); the nature of mental health nursing (5 credits); recognising mental distress/illness (5 credits); psychotherapeutic skills and mental health nursing (5 credits); practice placement (10 credits). Total credits for the year: 60

INTELLECTUAL DISABILITY NURSING

Scientific basis for nursing (5 credits); introduction to psychology (5 credits); the sociology of health and illness (5 credits); health promotion and research (5 credits); communication and essential skills for nursing practice (5 credits); historical, legal and theoretical foundations of nursing (5 credits); introduction to the person with intellectual disability (10 credits); holistic understandings of care (5 credits); approaches to nursing practice (5 credits); practice placement (10 credits). Total credits for the year: 60

CHILDREN'S AND GENERAL NURSING

Scientific basis for nursing (5 credits); introduction to psychology (5 credits); the sociology of health and illness (5 credits); health promotion and research (5 credits); communication and essential skills for nursing practice (5 credits); historical, legal and theoretical foundations of nursing (5 credits); introduction to general nursing 1 (5 credits); introduction to general nursing 2 (5 credits); nursing in specialist services (5 credits); community nursing and care of the older person (5 credits); introduction to children's nursing (5 credits); practice placement (10 credits). Total credits for the year: 65

Senior Freshmen

GENERAL NURSING

Elective/Broad Curriculum (5 credits); professional concepts for nursing (5 credits); advanced anatomy and physiology (5 credits); foundations of disease and pharmacological intervention (5 credits); the sociology of health and illness (5 credits); psychological themes for nurses (5 credits); general nursing 1 (5 credits); general nursing 2 (5 credits); general nursing 3 (5 credits); general nursing 4 (5 credits); practice placement (10 credits). Total credits for the year: 60

PSYCHIATRIC NURSING

Elective/Broad Curriculum (5 credits); professional concepts for nursing (5 credits); advanced anatomy and physiology (5 credits); psychopharmacology (5 credits); the sociology of health and illness (5 credits); psychological themes for nurses (5 credits); psychotherapeutic approaches and mental health nursing (5 credits); working with people with acute mental distress/illness (5 credits); working with people with enduring mental health problems (5 credits); caring for the person with physical ill health (5 credits); practice placement (10 credits). Total credits for the year: 60

INTELLECTUAL DISABILITY NURSING

Elective/Broad Curriculum (5 credits); professional concepts for nursing (5 credits); advanced anatomy and physiology (5 credits); the sociology of health and illness (5 credits); psychological themes for nurses (5 credits); the lifespan of the person with intellectual disability (5 credits); concepts of intellectual disability (5 credits); frameworks for intellectual disability: policy and practice perspectives (5 credits); physical ill health in persons with an intellectual disability 1 (10 credits); practice placement (10 credits). Total credits for the year: 60

CHILDREN'S AND GENERAL NURSING

Elective/Broad Curriculum (5 credits); professional concepts for nursing (5 credits); advanced anatomy and physiology (5 credits); foundations of disease and pharmacological intervention (5 credits); the sociology of health and illness (5 credits); psychological themes for nurses (5 credits); general nursing 1 (5 credits); general nursing 2 (5 credits); general nursing 3 (5 credits); general nursing 4 (5 credits); the sick child (part A) (5 credits); healthcare needs of child and family (5 credits); practice placement (10 credits). Total credits for the year: 70

Junior Sophisters

GENERAL NURSING

Elective/Broad Curriculum (5 credits); research (5 credits); advanced biological sciences and clinical skills (5 credits); psychology and sociology as applied to nursing (5 credits); general nursing 5 (5 credits); general nursing 6 (5 credits); acute care nursing (5 credits); practice placement (20 credits). Total credits for the year: 55

PSYCHIATRIC NURSING

Elective/Broad Curriculum (5 credits); research (5 credits); working with people who experience multiple and complex needs and clinical skills (5 credits); psychology and sociology as applied to nursing (5 credits); introduction to the needs of specialist client groups (5 credits); mental health nursing in the community (5 credits); working with the older person (5 credits); practice placement (20 credits). Total credits for the year: 55

INTELLECTUAL DISABILITY NURSING

Elective/Broad Curriculum (5 credits); research (5 credits); physical ill health in persons with an intellectual disability 2: part A (5 credits); physical ill health in persons with an intellectual disability 2: part B (5 credits); psychology and sociology as applied to nursing (5 credits); therapeutic interventions for care 2 (5 credits); frameworks for intellectual disability practice 2 (5 credits); practice placement (20 credits). Total credits for the year: 55

CHILDREN'S AND GENERAL NURSING

Elective/Broad Curriculum (5 credits); research (5 credits); advanced biological sciences and clinical skills (5 credits); psychology and sociology as applied to nursing (5 credits); general nursing 5 (5 credits); general nursing 6 (5 credits); acute care nursing (5 credits); the sick child (part B) (5 credits); practice placement (20 credits). Total credits for the year: 60

Senior Sophisters

GENERAL NURSING

Management and health policy (5 credits); growth and development for professional practice (5 credits); research (10 credits); chronic illness, rehabilitation, palliative care and pain management (5 credits); practice placement (45 credits). Total credits for the year: 70

PSYCHIATRIC NURSING

Management and health policy (5 credits); growth and development for professional practice (5 credits); research (10 credits); contemporary issues in mental health nursing (5 credits); practice placement (45 credits). Total credits for the year: 70

INTELLECTUAL DISABILITY NURSING

Management and health policy (5 credits); growth and development for professional practice (5 credits); research (10 credits); contemporary issues in intellectual disability nursing (5 credits); practice placement (45 credits). Total credits for the year: 70

CHILDREN'S AND GENERAL NURSING

Management and health policy (5 credits); growth and development for professional practice (5 credits); research (10 credits); chronic illness, rehabilitation, palliative care and pain management (5 credits); the adolescent and their family – the healthy child (5 credits); contemporary aspects of children's nursing (5 credits); continuing health care (children's nursing) (5 credits); practice placement (50 credits). Total credits for the year: 90

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. Off-books, examinations-only students who resit/resubmit a failed assessment will have this

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assessment capped at 50 per cent in line with supplemental examination/resubmission regulations.

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. 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. Placements may occur outside the planned schedule at the discretion of the School of Nursing and Midwifery.

B.Sc. (Cur.) programme

Practice placements for Junior Freshmen may consist of up to ten weeks supernumerary practice placement(s) in Hilary term. Practice placements for Senior Freshmen may consist of up to four weeks supernumerary practice placement(s) in Michaelmas term and ten weeks supernumerary in Hilary and Trinity terms. Practice placements for Junior Sophisters may consist of up to fourteen weeks supernumerary practice placement(s) in Michaelmas term and four weeks after the annual examination period. Practice placements for Senior Sophisters will consist of six weeks supernumerary practice placement(s) in Michaelmas term and a nine-month internship starting in Hilary term. Students will be remunerated accordingly by the relevant health service provider during rostered/internship placement.

Children's and general nursing integrated programme

Practice placement for children's and general nursing integrated programme for Junior Freshmen may consist of up to twelve weeks supernumerary practice placement(s) within Hilary term and following the annual examination period. Practice placements for Senior Freshmen may consist of up to four weeks supernumerary practice placement(s) in Michaelmas term and ten weeks supernumerary in Hilary and Trinity terms and following the annual examination period. Practice placements for Junior Sophisters may consist of up to twelve weeks supernumerary practice placement(s) in Michaelmas term and six weeks following the annual examination period. Practice placements for the Senior Sophister year will consist of four weeks supernumerary practice placement(s) in Michaelmas term, fourteen weeks supernumerary in Hilary term with a nine-month internship starting at the annual examination period and following into fifth year. Students will be remunerated accordingly by the relevant health service provider during 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).

DEGREE OF BACHELOR IN SCIENCE (MIDWIFERY) (B.Sc. (A. Obs.))

17 The School of Nursing and Midwifery, in conjunction with the Rotunda Hospital and the Coombe Women and Infants University 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 assessments and professional practice 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 Senior Sophister year cannot be repeated in full. A Senior Sophister student, who, after completion of the supplemental examinations (theoretical and/or practice placement), has failed any of the supplemental examinations, may apply to the Senior Lecturer to go 'off-books, examination-only' and repeat theory modules only in the next year or withdraw from the Bachelor in Science (Midwifery) course. The internship cannot be repeated on an off-books, examination-only basis. 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 are absent from compulsory training sessions will be permitted to attend a second training session only in exceptional circumstances such as certified illness. Students failing to attend these training sessions will be required to arrange and attend approved external training sessions at their own expense. Failure to complete these sessions within the correct time-frame will result in students not being permitted to attend practice placement.

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 module or modules already passed; this applies to both theory and practice.

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, module weightings and marking schemes are provided to students at the beginning of each academic year.

Modules

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 ECTS credits for the course are 250. The ECTS credits for each module are listed in brackets below.

Junior Freshmen

Foundation skills for midwifery practice (10 credits); sharing the woman's experience (5 credits); sources of midwifery knowledge (5 credits); biology: scientific basis for midwifery (5 credits); psychology (5 credits); sociology (5 credits); midwifery practice 1 (5 credits); midwifery practice 2 (10 credits); midwifery practice 3 (10 credits). Total credits for the year: 60

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Senior Freshmen

Core midwifery practice (5 credits); adaptation in pregnancy (5 credits); midwifery practice: unexpected outcomes of pregnancy and childbirth 1 (5 credits); midwifery practice: pre-existing pathophysiology and pharmacology principles (5 credits); lactation and infant feeding (5 credits); midwifery research – awareness (5 credits); birth, motherhood and midwifery: context and ‘knowledges’ (5 credits); midwifery practice 4 (10 credits); specialist practice placement 1 (10 credits); specialist practice placement 2 (5 credits). Total credits for the year: 60

Junior Sophisters

Elective/Broad Curriculum (5 credits); midwifery research – evidence for midwifery practice (5 credits); health and health promotion (5 credits); ethical and legal issues (5 credits); pharmacology for midwifery practice (5 credits); midwifery practice: unexpected outcomes of pregnancy and childbirth 2 (5 credits); protecting and promoting normal birth (5 credits); delivering a quality maternity service (5 credits); midwifery practice 5 (10 credits); specialist practice placement 3 (5 credits); midwifery practice 6 (10 credits). Total credits for the year: 65

Senior Sophisters

Midwifery/specialist practice placement (5 credits); ‘bringing it all together’ (5 credits); being a midwife – personal and professional development (5 credits); midwifery practice: internship (50 credits). Total credits for the year: 65

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. Off-books, examinations-only students who resit/resubmit a failed assessment will have this assessment capped at 50 per cent in line with supplemental examination/resubmission regulations.

Practice placement

22 Students must be registered with College before commencing practice placement in any year of the course. 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. Students must be registered with College before commencing their first practice placement. Some placements may occur outside the planned schedule at the discretion of the School of Nursing and Midwifery.

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 Michaelmas term 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. The structure and content of this year is as described in §24 below.

Modules

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 Michaelmas term. 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).

Modules

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 Michaelmas term 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. The structure and content of this year is as described in §26 below.

Modules

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 commences in Michaelmas term. 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

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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).

Modules

Communication and the facilitation of learning for midwifery practice (10 credits); expectant approach to midwifery (10 credits); leadership and management for nursing and midwifery practice (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 and Infants University 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 University Hospital

Stewart's Hospital Services Ltd, Dublin

Vergemount Hospital, Clonskeagh

The Rotunda Hospital

Our Lady of Lourdes, Health Service Executive – North East

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

St John of Gods, Celbridge

St John of God Brothers, Provincial Administration, Stillorgan, Co. Dublin

V SCHOOL OF PHARMACY AND PHARMACEUTICAL SCIENCES

REGULATIONS⁷

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.

Successful candidates at the B.Sc. (Pharm.) degree are placed in three classes: first class honors, second class honors (with two divisions, first and second) and third class honors.

⁷These regulations should be read in conjunction with GENERAL FACULTY REGULATIONS and GENERAL REGULATIONS AND INFORMATION.

Fees

2 See COLLEGE CHARGES.

Topics of study

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

Junior Freshmen

Physiology (5 credits)
 Cell and molecular biology (10 credits)
 Biochemistry (5 credits)
 Sources and characteristics of substances used in medicines (5 credits)
 Physical pharmacy I (5 credits)
 Discovery, isolation, separation and analysis of substances used in medicines (10 credits)
 Introduction to pharmaceuticals and formulations (5 credits)
 Mathematical methods and pharmaceutical calculations (5 credits)
 Practice of pharmacy I (5 credits)
 Orientation and learning skills and integrated pharmacy studies (5 credits)

Senior Freshmen

Pharmaceutical properties of materials used in medicines (5 credits)
 Physical pharmacy II (5 credits)
 Isolation and analysis of substances used in medicines (10 credits)
 Formulation and pharmaceutical technology (10 credits)
 Microbiology and biochemistry (5 credits)
 Practice of pharmacy II (5 credits)
 Professional development and career planning (5 credits)
 Pharmaceutical biotechnology I (5 credits)
 General principles of pharmacology (5 credits)
 Molecular and chemotherapeutic pharmacology (5 credits)

Junior Sophisters

Medicinal and pharmaceutical chemistry III (10 credits)
 Natural sources of drugs and substances used in medicines (10 credits)
 Sterile products (10 credits)
 Pharmaceutical data analysis and bioinformatics (5 credits)
 Practice of pharmacy III (5 credits)
 Pharmaceutical biotechnology II (5 credits)
 Endocrine and reproductive pharmacology and veterinary pharmacy (5 credits)
 Inflammation, respiratory and gastrointestinal pharmacology (5 credits)
 Blood, cardiovascular and renal pharmacology (5 credits)

Senior Sophisters

Medicinal and pharmaceutical chemistry IV (5 credits)
 Natural remedies, complementary medicine, ectoparasiticides (5 credits)
 Advanced drug delivery (5 credits)
 Pharmacokinetics, pharmacodynamics, biopharmaceutics and drug metabolism (5 credits)
 Practice of pharmacy IV(1) (5 credits)
 Practice of pharmacy IV(2) (including electives) (10 credits)
 Addiction pharmacy (5 credits)
 Neuropharmacology (5 credits)
 Malignant disease, immunopharmacology and pharmacology of the eye (5 credits)
 Project (10 credits)

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

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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, seminars, tutorials etc. given in the modules 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).

Special course requirements

6 Prior to commencing their Junior Sophister year, students are required to undertake a one week work placement to gain practice experience in a community or hospital pharmacy setting. In the Sophister years (between the start of the Junior Sophister year and the end of the Senior Sophister year) students are required to undertake a four week work placement in a community or hospital pharmacy setting. The requirement to undertake these placements may be waived only in exceptional circumstances and with the prior approval of the director of teaching and learning (undergraduate) and the practice of pharmacy academic staff in the school.

Examinations

7 Annual examinations are held mainly in 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'.

8 In order to qualify for the award of the degree, students are required to pass the degree examination, and associated course work and assessments, in their entirety within eighteen months from the date on which they first became eligible to present for the degree examination.

9 To be successful at the annual examinations, a student will normally be required to pass in each module. However, the court of examiners may allow compensation in one module (with the exception of PH1006, PH2006, PH2007, PH3006, PH4006, PH4007) where only a small deficiency exists provided that all the modules 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'.

10 Students who are unsuccessful at the annual examination will normally be given credit for those modules in which they were successful, and will be examined in the supplemental examinations only in those modules in which they were unsuccessful.

Students who are unsuccessful at both an annual and supplemental examination may repeat the year. Repetition requires full attendance at lectures and such other modules as may be prescribed by the Head of the School of Pharmacy and Pharmaceutical Sciences.

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Modules

Junior Freshmen

PHYSIOLOGY

The aim of the module is to provide a basic introduction to the normal bodily function of the human body.

CELL AND MOLECULAR BIOLOGY

The module will provide students with a thorough foundation in all aspects of modern molecular and cellular biology in preparation for more applied professional and clinical studies.

BIOCHEMISTRY

The aim is to provide current basic biochemical concepts of cell function, and describe, by way of example, the importance of several protein and cellular functions.

SOURCES AND CHARACTERISTICS OF SUBSTANCES USED IN MEDICINES

The module will provide the student with an appropriate foundation in chemistry identifying the chemical properties of substances used in human and veterinary medicines.

PHYSICAL PHARMACY I

The aim of the module is to explain the physicochemical aspects of substances used in pharmacy and medicine.

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

The aim is to introduce the concepts of quality, together with appropriate regulatory frameworks and guidance, and the application of analytical techniques to pharmaceutical materials.

INTRODUCTION TO PHARMACEUTICS AND FORMULATIONS

The aim is to provide an introduction to pharmaceuticals and to demonstrate to students the importance and relevance of pharmaceuticals to their studies for a degree in pharmacy and in subsequent practice and to be better able to participate in and benefit from work experience in community or another branch of pharmacy.

MATHEMATICAL METHODS AND PHARMACEUTICAL CALCULATIONS

The aim is to explain basic techniques in applied mathematics and introductory statistics and calculations of relevance to pharmacy.

PRACTICE OF PHARMACY I

This module will introduce students to core aspects of pharmacy practice, including the roles and responsibilities of pharmacists, the institutions of pharmacy and the organisation of the health service, the structure and operation of community and hospital practice, the manufacture and supply of medicines, legislation relating to medicines, medicine supply schemes and prescription dispensing, communication skills and alternative systems of medicine.

ORIENTATION AND LEARNING SKILLS AND INTEGRATED PHARMACY STUDIES

The aim is to introduce students to the School of Pharmacy and Pharmaceutical Sciences and the B.Sc. (Pharm.) degree. It will encourage students to appreciate the importance of different study skills and their application in different learning situations. Students will apply problem-based learning (PBL) techniques to selected pharmacy topics.

Senior Freshmen

PHARMACEUTICAL PROPERTIES OF MATERIALS USED IN MEDICINES

This module develops and consolidates the fundamental pharmaceutical and bioorganic chemistry of the materials used in medicines from first year with emphasis on more advanced topics. Stereochemistry is introduced, the chemistry of some important heterocycles is covered, as is polymer chemistry relevant to pharmacy.

PHYSICAL PHARMACY II

The module explains more fully physicochemical aspects of substances used in pharmacy and medicine.

ISOLATION AND ANALYSIS OF SUBSTANCES USED IN MEDICINES

The aim is to reinforce the concepts of quality, together with appropriate regulatory frameworks and guidance and the application of analytical techniques to pharmaceutical materials. Herbal

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drugs used as human medicines are introduced as is pharmaceutical spectroscopy in preparation for the instrumental analysis component at Junior Sophister level.

FORMULATION AND PHARMACEUTICAL TECHNOLOGY

This module provides a continuation course in the formulation of some common pharmaceutical dosage forms, together with aspects of unit operations related to the production of effective medicines.

MICROBIOLOGY AND BIOCHEMISTRY

This module will enable students to appreciate how microbiology impinges on many aspects of pharmacy and will provide an overview of biochemical aspects of metabolism.

PRACTICE OF PHARMACY II

The aim of this module is to illustrate core concepts in pharmacy practice, with a particular emphasis on nutrition, dental care, appliances, dressings and key aspects of pharmacy legislation.

PROFESSIONAL DEVELOPMENT AND CAREER PLANNING

This module will demonstrate to students the purpose and potential value of work experience within the undergraduate degree programme. Students will consider the relative merits of continuing education and of continuous professional development for pharmacists in Ireland and their relation to fitness-to-practice requirements. They will acquire knowledge of and practice the skills needed for self-development and career planning.

PHARMACEUTICAL BIOTECHNOLOGY I

The aim is to provide an introduction to the characteristics of nucleotides, proteins and carbohydrates, transcription and translation of DNA, and to provide an overview on pharmaceutical biotechnology including gene structure and heterologous expression, genetic engineering and upstream processing.

GENERAL PRINCIPLES OF PHARMACOLOGY

The aim is to introduce students to the basic principles of pharmacology, drug development and experimental techniques used in pharmacology.

MOLECULAR AND CHEMOTHERAPEUTIC PHARMACOLOGY

This module will demonstrate how chemical mediators modulate the body's response to injury and infection, how microbiology impinges on many aspects of pharmacy and the mode of action of antibiotics, anti-parasitic drugs and anti-viral agents.

Sophister modules

Junior Sophisters

MEDICINAL AND PHARMACEUTICAL CHEMISTRY III

The module will demonstrate the theory and practice of medicinal chemistry in the context of pharmacy and characterise pharmaceutical materials in a regulatory context.

NATURAL SOURCES OF DRUGS AND SUBSTANCES USED IN MEDICINES

This module will identify the sources and properties of those drugs and related pharmaceutical materials used in medicine, which are produced from natural sources.

STERILE PRODUCTS

The module will provide a continuation module in formulation and production, concentrating on sterile medicinal products and radiopharmaceuticals.

PHARMACEUTICAL DATA ANALYSIS AND BIOINFORMATICS

The aim of the module is to introduce students to statistical ideas and methods they will encounter as pharmacists using a broad range of real examples.

PRACTICE OF PHARMACY III

This module will illustrate key concepts in pharmacy practice particularly in pharmaco-epidemiology, public health, pharmacovigilance, health economics and the principles of evidence-based assessment. It will also introduce students to the legislation concerning drugs of abuse, clinical trials, animal remedies, poisons, health and safety, and data protection. Practical classes require students to respond to prescriptions and case presentations on the same themes.

PHARMACEUTICAL BIOTECHNOLOGY II

This module aims to demonstrate the manufacture, characteristics and qualification of biopharmaceutical drugs, their clinical indications and how they are used.

ENDOCRINE AND REPRODUCTIVE PHARMACOLOGY AND VETERINARY PHARMACY

The module will introduce students to the health sciences relevant to the use of drugs and medicines in endocrinology and reproductive endocrinology.

INFLAMMATION, RESPIRATORY AND GASTROINTESTINAL PHARMACOLOGY

The aim of the module is to demonstrate the basic pathophysiological principles of inflammatory, gastrointestinal and respiratory tract diseases as well as the pharmacological use of drugs used in these conditions.

BLOOD, CARDIOVASCULAR AND RENAL PHARMACOLOGY

This module will demonstrate the pharmacology relevant to the use of drugs and medicines in cardiovascular and thrombotic conditions and oedematous states.

Senior Sophisters

MEDICINAL AND PHARMACEUTICAL CHEMISTRY IV

The aim of this module is to demonstrate the role of pharmaceutical chemistry in contemporary drug design, discovery and development. The module provides a comprehensive overview of the concepts of modern medicinal chemistry as applied to selected major therapeutic drug classes and an introduction to the concepts and uses of prodrugs for enhanced delivery of drugs.

NATURAL REMEDIES, COMPLEMENTARY MEDICINE, ECTOPARASITICIDES

The aim of this module is to introduce students to alternative systems of medicine and traditional herbal medicines. Students will learn the differences between conventional medicines and complementary alternative medicines (CAM). Students will also learn about human lice and scabies (ectoparasite) infestations, products used in their treatment and the community response to outbreaks. This course also provides students with a detailed overview of the European regulatory framework for herbal medicinal plants (HMP's).

ADVANCED DRUG DELIVERY

This module provides an overview on advanced drug delivery strategies, alternative routes of drug absorption for local and systemic delivery. Students will become familiar with the anatomical and patho (physiological) particularities of those pathways, and *in vitro* models mimicking the respective biological barriers. An introduction to molecular pharmaceuticals, including drug transporter proteins and metabolic enzymes will be provided.

PHARMACOKINETICS, PHARMACODYNAMICS, BIOPHARMACEUTICS AND DRUG METABOLISM

This module provides a course on pharmacokinetics with its implications for the design and usage of medicines. It will include the kinetic concepts describing/underlying the processes of absorption, distribution and elimination and metabolism of drugs.

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PRACTICE OF PHARMACY IV(1)

This module focuses on business, management, administrative, ethical and legislative aspects of pharmacy practice. Practical work is directed at integrating the skills students have gained in other modules in order to respond appropriately to patients' needs.

PRACTICE OF PHARMACY IV(2) (INCLUDING ELECTIVES)

This module aims to bring together key topics in the practice of pharmacy and to provide the practical knowledge necessary for the student to practice satisfactorily under present circumstances and to respond to changes in the requirements of the health service and the profession.

ADDICTION PHARMACY

This module will demonstrate the nature, extent and causes of problem drug-taking in Ireland in order that they can undertake professional activities as pharmacists in the prevention and treatment of drug dependence and other drug-related problems.

NEUROPHARMACOLOGY

This module aims to teach the principles of neuropharmacology and drug therapies for disorders of the central nervous system.

MALIGNANT DISEASE, IMMUNOPHARMACOLOGY AND PHARMACOLOGY OF THE EYE

This module will identify the health sciences relevant to the use of drugs and medicines in the treatment of malignancy, and immunological disorders and the pharmacological factors relevant to the pharmaceutical care of patients with selected conditions.

PROJECT

Senior Sophister students will be required to undertake a research project. This project will run over a four week period at the start of the Michaelmas term.

Students will be expected to present the results of their project in written format and as a PowerPoint presentation.