

**REGULATIONS FOR THE DEGREE OF  
MASTER OF SCIENCE IN IMPLANT DENTISTRY  
[MSc(ImplantDent)]**

These regulations apply to candidates admitted in 2022-2023 and thereafter.

*(See also General Regulations and Regulations for Taught Postgraduate Curricula)*

Any publication based on work approved for a higher degree should contain a reference to the effect that the work was submitted to The University of Hong Kong for the award of the degree.

The degree of Master of Science in Implant Dentistry is a postgraduate degree awarded following the satisfactory completion of a prescribed course of study and clinical applications related to dental implantology.

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**Admission Requirements**

**D296** To be eligible for admission to the curriculum for the degree of Master of Science in Implant Dentistry, a candidate shall:

- (a) comply with the General Regulations and the Regulations for Taught Postgraduate Curricula;
- (b) hold the degree of Bachelor of Dental Surgery from this University, or a qualification of equivalent standard from another university or comparable institution accepted for this purpose;
- (c) for a candidate who is seeking admission on the basis of a qualification from a university or comparable institution outside Hong Kong of which the language of teaching and/or examination is not English, shall satisfy the University English language requirement applicable to higher degrees as prescribed under General Regulation G2(b); and
- (d) satisfy the examiners in a qualifying examination if required.

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**Qualifying Examination**

- D297**
- (a) A qualifying examination may be set to test a candidate's formal academic ability or his or her ability to complete the prescribed courses of study and practice. It shall consist of one or more written papers, or the equivalent, and may include a practical examination, and oral examinations.
  - (b) A candidate who is required to satisfy the examiners in a qualifying examination shall not be permitted to register until he or she has satisfied the examiners in the examination.
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## **Award of Degree**

**D298** To be eligible for the award of the degree of Master of Science in Implant Dentistry, a candidate shall:

- (a) comply with the General Regulations and the Regulations for Taught Postgraduate Curricula; and
  - (b) complete the curriculum and satisfy the examiners in accordance with the regulations set out below.
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## **Period of Study**

**D299** The curriculum shall normally extend over a period of two academic years of full-time study or four academic years of part-time study. Candidates shall not be permitted to extend their studies beyond the maximum period of registration of three years of full-time study or six years of part-time study, unless otherwise permitted or required by the Board of the Faculty.

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## **Completion of Curriculum**

**D300** To complete the curriculum, a candidate shall:

- (a) satisfy the requirements prescribed under TPG 6 of the Regulations for Taught Postgraduate Curricula;
  - (b) follow instruction in the courses prescribed and complete satisfactorily all coursework requirements;
  - (c) satisfy the examiners in all examinations as may be required; and
  - (d) complete and submit a dissertation that satisfies the examiners.
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## **Dissertation**

**D301** The title of a dissertation in publication format shall be submitted for approval not later than April 30 in the final academic year of study, and the dissertation in publication format shall be submitted not later than August 15 in the same year. The candidate shall submit a statement that the dissertation in publication format represents his or her own work undertaken after registration as a candidate for the degree. The examiners may prescribe an oral examination on the subject of the dissertation in publication format.

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## **Assessments**

- D302** Any assessment of the candidate's coursework during the course of study, including written assignments, shall be taken into account in determining the candidate's overall result.
- D303** Assessments may be held in each year of study and may take the form of written papers; oral, practical, and clinical examinations; assessments of coursework; or a combination of these methods.
- D304** A candidate who has failed to satisfy the examiners in any part of the assessments may be permitted to present again for assessment at a time to be determined by the Board of Examiners; or he or she may be recommended for discontinuation of studies under the provisions of General Regulation G12.
- D305** In accordance with TPG 5(c), a candidate who has exceeded the maximum period of registration specified in Regulation D299 shall be recommended for discontinuation of studies.
- D306** A candidate who has presented a dissertation that has failed to satisfy the examiners may be permitted to revise and re-present the written work within a period to be determined by the Board of Examiners; or he or she may be recommended for discontinuation of studies under the provision of General Regulation G12.
- D307** Failure to take any examination as scheduled normally shall result in automatic course failure. A candidate who is unable, through illness, to be present at an examination may apply in writing within seven calendar days of the examination for permission to be examined at some other time to be determined by the Board of Examiners.
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## **Grading System**

- D308** Individual courses shall be graded as "Pass" or "Fail".
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## **Assessment Results**

- D309** Upon successful completion of the curriculum, candidates who have shown exceptional merit may be awarded a mark of distinction, and this mark shall be recorded in the candidates' degree diploma.
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June 23, 2022

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## **SYLLABUSES FOR THE DEGREE OF THE MASTER OF SCIENCE IN IMPLANT DENTISTRY**

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The Master of Science in Implant Dentistry is a course of study that is designed to enable practising dentists to acquire basic to advanced competences within the practice of dental implantology and be able to collaborate with practitioners in other fields of specialty dentistry as a component of comprehensive dental care.

The curriculum shall normally extend over a period of two academic years of full-time study or four academic years of part-time study and clinical practice related to the practice of Implant Dentistry, or the equivalent of 120 credits. Candidates shall not be permitted to extend their studies beyond the maximum period of registration of three years of full-time study or six years of part-time study, unless otherwise permitted or required by the Board of the Faculty.

The curriculum includes lectures, tutorials, case conferences, clinical and laboratory work together with project assignments and the preparation of a dissertation.

### **Courses**

This curriculum is aimed at comprehensive basic implant training for the general dental practitioners. All the components of the course are compulsory. Emphasis is placed on practical training in diagnosis and treatment planning to allow safe and proper incorporation of implants into comprehensive dental care treatment.

### **Curriculum Design**

The MSc(ImplantDent) is a 2-year full-time or 4-year part-time curriculum that leads a general practising dentist with practice experience for several years to a level of competence to do simple, basic to advanced implant therapy. This is predominantly the replacement of single tooth/ multiple teeth in the anterior/posterior part of the dentition, when the anatomy is such that no/mild augmentation procedures have to be performed to create adequate conditions. Hence, a careful selection of simple cases will enable the dentist to perform comprehensive treatment planning and incorporating the installation of oral implants into his daily practice. Emphasis is placed on the maintenance of the patient with implants and the coping with complications that may arise.

The curriculum consists of 2 major clinical courses (Clinical Implant Dentistry I, II) and an individual project leading to the presentation of a dissertation. Other courses include core courses, seminars, discipline-specific and inter-disciplinary clinical case conferences, clinical sessions, self-guided studies, *ad hoc* meetings, practical demonstration sessions, and journal-based learning and interactive electronic sources.

### **Curriculum structure**

All the components of the curriculum are compulsory. Emphasis is placed on evidence based treatment planning and clinical practice.

The curriculum consists of the following courses/ components:

## **A. Faculty Core Courses (9 credits)**

Year 1

- DENT6023 Oral Epidemiology and Clinical Research Methodology (3 credits)
- DENT6024 Introduction to Statistical Analysis in Dental Research (3 credits)
- DENT6025 Multivariable Statistical Analysis in Dental Research and Use of Statistical Software (3 credits)

*Assessment: One 2-hour written paper; 100% examination*

- DENT7030 Dissertation Writing for Master of Dental Surgery and Master of Science – An Induction Course (non-credit bearing)

*Assessment: No formal assessment*

## **B. Implant Dentistry Specific Courses (36 credits)**

This set of courses aims to help the students become knowledgeable about the past and current research outcomes and evidence base of implant dentistry, as well as develop the skills and competences necessary for the diagnosis, treatment plan and management of complex cases of oral rehabilitation with dental implants.

Year 1

- DENT7555 Evaluating Scientific Research (6 credits)
- DENT7159 Implant Dentistry in Comprehensive Dental Care I (9 credits)
- DENT7553 Comprehensive Treatment Planning I (6 credits)

Year 2

- DENT7554 Comprehensive Treatment Planning II (6 credits)
- DENT7160 Implant Dentistry in Comprehensive Dental Care II (9 credits)

*Assessment: Continuous assessment, Written Examination*

## **C. Clinical Components (60 credits)**

Clinical education covers half of the curriculum and includes supervised clinical practice within the Institute for Advanced Dentistry-Multi-Specialty Clinic, as well as multidisciplinary clinical activities. Furthermore, this includes the documentation of a case portfolio and presentation/ discussion of clinical cases and treatments.

Year 1

- DENT7550 Clinical Implant Dentistry I (24 credits)

*Assessment: Portfolio Assessment, Oral Examination*

Year 2

- DENT7551 Clinical Implant Dentistry II (24 credits)

*Assessment: Portfolio Assessment, Oral Examination*

Year 1 and 2

- DENT7150 Capstone Experience: Clinical Portfolio (12 credits)  
Portfolio of clinical work – Complete Log of oral rehabilitation treatments.

*Assessment: 50% Portfolio assessment and 50% Oral Examination.*

#### **D. Research Component (15 credits)**

Year 1 and 2

- DENT7552 Individual Project

*Assessment: 50% dissertation and 50% oral examination*

This component involves, but not limited to the design, ethical clearance, execution and dissemination of original research project by the student.

#### **Description of courses**

##### **DENT6023 Oral Epidemiology and Clinical Research Methodology (3 credits)**

This course aims to introduce students to the various types of epidemiological studies and how to conduct clinical trials. On completion of this course, a student should be able to critically appraise reports from oral epidemiological studies and the level of evidence generated. The student should also be able to choose an appropriate design for a clinical study on a specific topic of interest.

Assessment: One 2-hour written paper; 100% examination

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##### **DENT6024 Introduction to Statistical Analysis in Dental Research (3 credits)**

This course aims to introduce students to the basic statistical methods used in dental research; the interpretation of results of statistical analysis and the statistical content of published research papers. On completion of this course, a student should be able to address statistical issues when formulating a research project, and to appraise the basic statistical content of a published dental research paper.

Assessment: One 2-hour written paper; 100% examination

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##### **DENT6025 Multivariable Statistical Analysis in Dental Research and Use of Statistical Software (3 credits)**

This course aims to introduce students to the multivariable statistical methods used in dental research and to provide basic training to the students in using the software SPSS for Windows to analyze dental research data. On completion of this course, a student should be able to appraise the statistical contents of a published dental research paper, and be able to carry out basic analysis of the data collected in a dental research using the software SPSS for Windows.

Assessment: One 2-hour written paper; 100% examination

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### **DENT7030 Dissertation Writing for Master of Dental Surgery and Master of Science – An Induction Course (Non-credit bearing)**

This Induction Course of 7.5 hours aims to raise course participants' awareness of essential aspects of academic writing which contribute to overall communicative success in dissertations. Its ultimate aim is to provide a useful induction experience so that you will be able to approach your writing with more confidence and skill at key stages of your research. Specific objectives are listed as themes in the course schedule.

Assessment: No formal assessment

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### **DENT7555 Evaluating Scientific Research (6 credits)**

The course will introduce the main principles of conducting and evaluating the classic scientific research in the field of Implant Dentistry and related science disciplines. An in-depth discussion of the classic and current literatures will be conducted in a tutorial format to enable the students to be able to critique the scientific evidence. Students will go through a literature seminars series covers the following topics:

- Tissue Integration and surfaces
- Systemic Risk Assessment
- Systematic Reviews and Treatment Options
- Edentulous jaw (FDP)
- Edentulous jaw (overdentures)
- Immediate Implants
- Bone Augmentation
- Peri Implant Diseases
- Digital Workflow
- Tooth-implant supported FDP

Assessment: One 2-hour written paper; 50 % continuous assessment and 50 % examination

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### **DENT7159 Implant Dentistry in Comprehensive Dental Care I (9 credits)**

The course will provide a clinically relevant overview of implant dentistry and all related basic, biological and clinical sciences. It defines the role of implant dentistry as part of modern comprehensive care and will elaborate all stages of implant treatment, from patient assessment, treatment planning, implant surgical and restorative procedures, maintenance and management of complications. The course covers Scientific Foundations of Oral Implantology, through which, students will gain critical understanding of the fundamentals at the basis of competence and proficiency in dental implantology. The course also covers Diagnosis Design of Implant Retained Dentures, through which, students can have critical understanding of the of evidence-based choices for implant tooth replacement and individual diagnosis and treatment planning.

Assessment: One 2-hour written paper; 100% examination

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### **DENT7160 Implant Dentistry in Comprehensive Dental Care II (9 credits)**

The course will provide a clinically relevant overview of implant dentistry and all related basic, biological and clinical sciences. It defines the role of implant dentistry as part of modern comprehensive care and will elaborate all stages of implant treatment, from patient assessment, treatment planning, implant surgical and restorative procedures, maintenance and management of complications. The course covers Surgical Implant Placement, through which, student will gain critical understanding of the of evidence-based choices for surgical implant placement under the different clinical conditions. The course also covers Prevention and Management of Implant Complications, through which, students can gain critical understanding of the of evidence-based choices for the prevention and management of implant complications.

Assessment: One 2-hour written paper; 100% examination

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### **DENT7553 Comprehensive Treatment Planning I (6 credits)**

The course will offer an overview of the principles of comprehensive treatment planning with dental implants. The course will evolve around actual patient cases which will be discussed, analysed and treatment planned as based on current evidence and best practices. Multi-disciplinary discussion will be carried out on regular basis to promote inter-disciplinary collaboration on delivering comprehensive care.

Assessment: 100% oral examination

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### **DENT7554 Comprehensive Treatment Planning II (6 credits)**

The course will offer an overview of the principles of comprehensive treatment planning with dental implants. The course will evolve around actual patient cases which will be discussed, analysed and treatment planned as based on current evidence and best practices. Multi-disciplinary discussion will be carried out on regular basis to promote inter-disciplinary collaboration on delivering comprehensive care.

Assessment: 100% oral examination

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### **DENT7150 Capstone Experience: Clinical Portfolio (12 credits)**

Design, execution and maintenance of complex treatments with dental implants in a wide spectrum of patients and indications. Proper documentation of treatments and evidence-based decision making.

Assessment: 50% Portfolio assessment and 50% Oral Examination.

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### **DENT7550 Clinical Implant Dentistry I (24 credits)**

The course will address the clinical practice of implant dentistry within modern comprehensive dental care. It aims to allow students to have clinical practicum on simple to basic implant dentistry. This is predominantly the preparation of the patients for implant therapy, the replacement of single tooth/ multiple teeth in the anterior/posterior part of the dentition, when the anatomy is such that no/mild augmentation procedures have to be performed to create adequate conditions. Emphasis is placed on the maintenance of the patient with implants. Students will go through simulation laboratory para-clinical training.

Assessment: 80% portfolio and 20% oral examination

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### **DENT7551 Clinical Implant Dentistry II (24 credits)**

The course will address the clinical practice of implant dentistry within modern comprehensive dental care. It aims to allow students to have clinical practicum on simple to advanced implant dentistry. This is predominantly the preparation of the patients for implant therapy, the replacement of single tooth/ multiple teeth in the anterior/posterior part of the dentition, when the anatomy is such that mild to moderate augmentation procedures have to be performed to create adequate conditions, coordinating with other specialty programmes in order to manage advanced cases in multi-disciplinary approaches. Emphasis is placed on the maintenance of the patient with implants and the coping with complications that may arise.

Assessment: 80 % portfolio and 20% oral examination

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### **DENT7552 Individual Project (15 credits)**

Design, execution and report of an original research project.

Assessment: 50% dissertation and 50% oral examination

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June 23, 2022