Master in Clinical Dentistry in Prosthodontics:

Programme Specification

**Awarding body/institution:** Queen Mary, University of London

**Teaching institution:** Institute of Dentistry, Barts and The London, Queen Mary’s School of Medicine and Dentistry

**Name of the final award:** Master of Clinical Dentistry (Prosthodontics)

**Programme title:** M.Clin Dent (Prosthodontics)

**Duration of Programme:** Two years full time

**Criteria for admission to the programme:** a recognised dental degree and two years post-qualification experience working as a dental surgeon. Where English is a foreign language the entry requirement will be a TOEFL score of 610 (paper), 253 (computer), IELTS of 7 or an A or high B in the Cambridge test.

**Aims of the programme:**

*The general aims for the taught postgraduate courses offered in the Institute of Dentistry are to:*

- provide full-time opportunities for those wishing to develop their skills and understanding in oral health related sciences.
- develop the research and service careers of dentists and professionals complementary to dentistry.

*The general objectives of the taught postgraduate courses are to provide students with the skills to:*

- conduct literature searches, and evaluate original published research.
- design research protocols, execute a supervised research project, analyse and report findings supported by references.
- demonstrate a range of transferable and specialised skills.

*The specific course objectives are to enable students to:*

- Understand the need and demand for Prosthodontic care for patients.
- Understand the effects of tooth loss on the oral environment
- Understand the scientific basis of prosthodontics including biomaterials
- Prescribe appropriate treatments in both fixed and removable prosthodontics including implant supported prosthesis
- Complete complex prosthodontic care predictably and appropriately
- Understand current issues relating to the provision of prosthodontics in practice, hospital and educational environments.
- Undertake a research project and produce a dissertation based on the project.

**Teaching and learning:**
The programme aims to promote teaching and learning enriched by original scholarship and dental research, to encourage students to become independent learners. Students will accept responsibility for their own learning and will be encouraged to develop powers of critical thought and reflection. Key skills in information technology and oral and written presentations will be enhanced. The course will offer students the opportunity to enhance their knowledge and clinical skills in paediatric dentistry and become familiar with the issues of study design, data analysis and critical thought. Assessments are outlined below. Assessments are managed internally by the teaching faculty and externally through an intercollegiate University of London examination board and external examiners who will moderate achievement within and between different courses.

In addition to the formal seminar and clinical programme, time is set aside for particular readings and reviews, discussion and problem solving for student projects, for practical exercises, clinical audit and for feedback and evaluation of the course itself. Some time is spent working alongside hospital trainees (Specialist Registrars and SHOs). Students will receive a course booklist at the start of teaching.

The course aims to offer a high teacher/student ratio so that access to advice and ease of communication can be assured. Two staff members supervise each student research project.

**Assessment**

The examinations take place over two years for full time students and over three years for part-time students:

**Year 1**

*MClinDent Part I* examines the students’ knowledge and understanding of the scientific basis of Prosthodontics and is examined in June of the first year of the course. Progression to the second year of the course is dependent on passing the part I examination.

The part I examination consists of:
- One 3 hour written paper on the scientific basis of Prosthodontics
- One 20 minute oral examination on the scientific basis of Prosthodontics.
Year 2

*M.Clin Dent Part 2* examines the students’ knowledge & understanding of clinical Prosthodontics together with their practical ability to provide prosthodontic care.

The examination includes:
- Two written papers of 3 hours duration on Prosthodontics combined with other dental therapy.
- A diagnostic and treatment planning clinical examination after the student has assessed a patient whom they have never seen before.
- Two practical examinations in which operative procedure(s) are undertaken on a patient selected by the student.
- Presentation of documented case reports of treatment provided for two patients on whom the student has provided ‘whole patient’ prosthodontic care.

*M.Clin.Dent Part 3* requires the student to complete and defend a dissertation based on a research project. This is normally submitted before 31st August of the academic year of completing the course.
- Each student must write a dissertation on the research they have conducted, not normally exceeding 20,000 words.

Students must pass all 3 parts to gain an overall pass. At the discretion of the examiners and providing the examination regulations allow, a student may be given credit for one part of the examination and asked to redo the others. In extreme circumstances, where medical circumstances may have adversely affected examination performance, a medical certificate should be presented to the Course Organiser.

Students will be required to make clear declarations as to the originality of the work submitted for the in-course assessment and the project dissertation.

**Course structure**

The course is administered by staff in Adult Oral Health. This consists of 60% clinical teaching, 25% theoretical seminar based teaching and 15% research. Routine clinical sessions start at 0930 for the morning session and 1400 for the afternoon. Each session lasts for approximately 3 hours. Lecture and seminar sessions may be held at anytime from 0830-1700.

The programme will begin in October of each year with an induction programme organised in collaboration with the other taught postgraduate courses in the Institute of Dentistry. Teaching is organised on a term system. Most didactic teaching takes place in the first year, allowing the second year for developing advanced clinical skills and completing the research project. The period after the Part 2 examination is for completion of project reports.

**Year 1**
- Term 1: October to December
- Term 2: January to March*
- Term 3: *April to July

**Year 2**
Term 1: October to December  
Term 2: January to March*  
Term 3: *April to September  
* a short break to include Easter bank holidays

A termly timetable will be distributed before the start of each term. Each term’s teaching focuses on particular topics or modules. Module details, together with a package of essential core readings, will be given to students.

Module titles are outlined below.

Module 1: Comprehensive diagnosis and treatment planning  
Module 2: Masticatory system  
Module 3: Cariology and caries management  
Module 4: Endodontics and Periodontics in relation to Prosthodontics  
Module 5: Toothwear  
Module 6: Occlusion  
Module 7: Restoration of the grossly destroyed tooth  
Module 8: Adhesive dentistry  
Module 9: Fixed partial dentures (adhesive)  
Module 10: Fixed partial dentures (conventional)  
Module 11: Removable partial dentures  
Module 12: Complete dentures  
Module 13: Immediate dentures  
Module 14: Implants  
Module 15: Prefabricated attachments  
Module 16: Intolerance to dentures  
Module 17: Maxillo facial prosthodontics  
Module 18: TMD  
Module 19: Biomaterials  
Module 20: Research methodology  
Module 21: Research project  
Module 22: Clinical audit  
Module 23: Speech and prosthodontics  
Module 24: Gerodontology  
Module 25: Practice management issues  
Module 26: Leadership, communication skills and clinical governance  
Module 27: Teaching undergraduate students

Philip D Taylor October 2003

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