

THE UNIVERSITY OF HONG KONG

Faculty of Dentistry

Master of Science in Oral and Maxillofacial Radiology & Diagnostic Imaging

Credit Unit Statement

The one-year full-time Master of Science in Oral and Maxillofacial Radiology & Diagnostic Imaging [MSc(OMFR&DI)] is a postgraduate curriculum that is designed to enable medical and dental practitioners to acquire advanced training in the theory and practice of diagnostic imaging of health and pathology in the oral and maxillofacial region. The courses/modules are assigned with credits at a multiple of 3 credits as summarized below. The curriculum includes *Faculty Core Courses*, *Oral and Maxillofacial Radiology & Diagnostic Imaging Courses*, *Medical Science Courses*, and a *Dissertation*. Total contact hours and total study load has a minimum of 368 and 1260, respectively.

1. Faculty Core Courses (9 credits / 3 credits per course)

These courses introduce the scientific method and aim to help students develop advanced scientific skills, including competences required to critically evaluate research outcomes as well as design and execute biomedical research themselves (under guidance / supervision). Furthermore, the use of current data search strategies and information technologies will be taught and fully utilized.

Assessment: One 2-hour written paper for each course; 100% examination (This does not apply to the non-credit bearing course which does not have formal assessment); no limit in number of words

2. Oral and Maxillofacial Radiology & Diagnostic Imaging Courses (27 credits / 3 or 6 credits per course)

These set of courses aims to help students understand the theory and apply the practice of Oral and Maxillofacial Radiology (OMFR). Through active participation in these courses, students will get further in-depth knowledge and acquire skills for application of advanced imaging modalities in dentistry to analyze and diagnose normal and pathological morphology and function in the cranio-facial region.

Assessment: 100% examination (One 2-hour written paper); or 30% oral exam, 70% in class discussion; or 100% written diagnostic imaging reports; no limit in number of words

3. Medical Science Courses (9 credits/ 3 credits per course)

An interdisciplinary approach and work-flow will be promoted in this MSc programme. Thus, students are to attend courses offered by the Li Ka Shing Faculty of Medicine, HKU. Students are also required to observe ("shadowing") the daily clinical practice of advanced medical diagnostic imaging (Computed Tomography, Magnetic Resonance Imaging, Ultrasound Imaging, and Nuclear Medicine) at the Department of Diagnostic Radiology, Li Ka Shing Faculty of Medicine, HKU.

Assessment: : 20% assignment, 10% Report writing, 20% Test, 50% Examination; or 15% Practical, 35% Assignment, 50% examination; or 50% written daily report and 50% in class discussion; no limit in number of words

4. Capstone Experience: Dissertation (18 credits)

Under the guidance of supervisors, students are required to carry out a research project, involving collection of relevant information or original data and data analysis, and to submit a dissertation that fulfills the requirements to be submitted / published in a peer-reviewed journal in the field.

Assessment: 70% dissertation (4000 words) and 30% oral examination.