

# THE UNIVERSITY OF HONG KONG

## Faculty of Dentistry

### Master of Dental Surgery in Orthodontics and Dentofacial Orthopaedics

#### Credit Unit Statement

The three-year Master of Dental Surgery in Orthodontics and Dentofacial Orthopaedics [MDS(Orthodontics&DentofacialOrthopaedics)] covers a wide range of topics relevant to the diagnosis, management and treatment of advanced and multidisciplinary orthodontic cases, including aspects of applied human biology and psychology; statistics, epidemiology and research methods; imaging, cephalometry and mechanical analysis; types of appliance, design and materials; practice management, administration and ethics. The courses are assigned with credits in multiples of 3 credits for a single course with 60-90 hours of study load as the norm for 3 credits. The curriculum includes *Faculty Core Courses*, *Discipline Specific Courses*, *Clinical Component* and *Research Component*. Total contact hours and total study load have a minimum of 2400 and 5400 respectively.

#### **A. Faculty Core Courses (3 credits per course)**

In the first year of study, MDS(Orthodontics&DentofacialOrthopaedics) students have to complete five core courses in statistics and biomaterials, and an induction course of dissertation writing. These courses introduce the scientific method and aim to help the students develop advanced scientific skills, including competences required to critically evaluate research outcomes as well as design and execute biomedical research. Furthermore, these courses will help the student to develop a thorough understanding of biomaterials and material science. The use of the current data search strategies and information technologies will be taught and fully utilized.

*Assessment: One 2-hour written paper; 100% examination; no limit in number of words*

#### **B. Discipline Specific Courses (24 credits per course)**

This set of courses aims to help the students comprehend the past and current research outcomes and evidence base of orthodontics.

*Assessment: One 3-hour written paper; no limit in number of words*

#### **C. Clinical Component (48 or 51 credits per course)**

Clinical education covers approximately half of the curriculum and includes supervised clinical practice within Prince Philip Dental Hospital (PPDH) and other clinics, as well as multidisciplinary clinical activities. Furthermore, this includes the documentation of a case portfolio and presentation/ discussion of clinical cases and treatments.

*Assessment: 50% portfolio and 50% presentation; no limit in number of words*

**D. Research Component (15 credits per course)**

Research Component provides an opportunity to experience and learn from different contexts in clinical care and research. Dissertation is submitted in the final year. An oral presentations, vivas and examinations of the dissertation would be conducted. Specific training programmes relevant to the candidate's research project will be provided in consultation with the supervisor.

*Assessment: 100% Research manuscript; no limit in number of words*

**Capstone Experience: Clinical Portfolio (6 credits)**

*Assessment: 100% Clinical portfolio; no limit in number of words*