

# HANDBOOK MASTER OF OROFACIAL SCIENCES

KPT/JPS(N/724/7/0041)(MQA/PA9234)09/23



MAHSA  
UNIVERSITY

## FACULTY OF DENTISTRY



# FOREWORD

## THE FACULTY OF DENTISTRY MAHSA UNIVERSITY

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The joy of changing a person's life by creating a beautiful, healthy smile is one of the rewards of being a dentist. Dentistry is a complex field as it is both challenging and rewarding. Dentistry is the art and science of prevention and treatment of diseases of the oral cavity and associated with maxillofacial region. A dental surgeon provides professional support to the community to achieve and maintain optimum oral health. MAHSA's Faculty of Dentistry is committed to mentor our students in all levels of dental science. It offers 3 different programmes, Doctor of Dental Surgery, Diploma in Dental Technology and Certificate of Dental Surgery Assistant.

The Master of Orofacial Sciences Programme bridges the Doctor of Dental Surgery and the three-year doctorate (DResDent). This one-year programme will be a pre-requisite to the first planned doctoral programme, Doctor of Restorative Dentistry (DResDent). This combination of one year Master and three years Doctoral programme will be among the qualifications required to enable graduates to be registered as dental specialists under the new Malaysian Dental Act 2018 which was recently passed by Cabinet.

This Master programme provides opportunities for local private practitioners or potential dental lecturers to specialize in an area of interest to them. The common core courses make up 50% of the programme and includes Applied Medical and Dental Sciences, Research Methodology and Biostatistics, Research Project and General Dentistry. The Restorative Dentistry module shall comprise of at least 50% of the programme.

The research project may be based on the simple collation of clinical data towards a clinical audit outcome, preliminary field studies or introductory laboratory studies. The research output can be in the form of mini-dissertations or scientific reports.

Currently we are offering the Master programme in the field of Restorative Dentistry.

The postgraduate courses conducted by the Faculty are open to both local and international students.

The Faculty warmly welcomes you to be part of this pursuit of academic and professional excellence.

# MISSION AND VISION

## MAHSA UNIVERSITY

### **Mission**

- To be committed to the delivery of education of the highest quality with emphasis on hands-on training.
- To produce competent and highly skilled professionals through qualified, dedicated and experienced teachers.
- To provide state-of-the-art facilities to ensure the desired standards in education.
- Facilitating and enhancing local and international networking for students and staff.
- To enhance and provide research and innovation opportunities at all levels.

### **Vision**

- To be the centre of excellence in Higher Education in the region.

## FACULTY OF DENTISTRY

### **Mission**

- To have a curriculum that is current and relevant in content and approach for the need of the dental profession in the country.
- To have state-of-the-art facilities appropriate for the requirements of the programme.
- To have academics and supporting staff of a quality and number required by the regulatory authorities.
- To implement the programme effectively and efficiently in a timely manner.

### **Vision**

- To be the best centre of training for Dental surgeons.

# MANAGEMENT

**Dean****Professor Dr. Rosnah Binti Mohd Zain**

MDC No. 884

BDSc (Qld), MS (Mich), Fellow AAOMP (USA), FASc (MY)

**Deputy Deans****Postgraduate & Research****Associate Professor Dr. Kranthi Raja**

BDS (Manipal), MDSc (Cons &amp; Endo)

(NTRUHS, Vijayawada)

**Academic Affairs****Associate Professor Dr. Chia Set Hoong**

BDS (Malaya), DDPHRCS (England)

**Students' Experience****Associate Professor Dr. Prathap M. Chandar**

BDS (Tamil Nadu), MDS(Ortho &amp; Dentofacial

Orthopaedics) (Russia)

**Program Head (MOFSc-  
Restorative)****Associate Professor Dr. Santhosh Kotian**

BDS (India), MDS (Prosthodontics) (India)

**Assistant Registrar**

Ms. Nooraida binti Ahmad

BSc. Biohealth Science (Malaya)

**Correspondence Address:**

Office of the Dean,

Faculty of Dentistry,

MAHSA University,

Jalan SP2, Bandar Saujana Putra,

42610 Jenjarom, Kuala Langat,

Selangor, Malaysia.

Tel. No.: 6(03) – 51022260 (ext:2211)

Email: dean\_dentistry@mahsa.edu.my

# TABLE OF CONTENTS

<b>Topic</b>	<b>Page no.</b>
Academic Calendar	6
Programme of Study	7
Admission Requirements	7
Duration of study	7
Modules	8
Structure of Programme of study	9
Examination	11
• Modes of assessments in various modules	11
• Marking scheme	14
Supplementary Examination	15
Awards for the MOFSc	15
Appeal against examination results	16

# ACADEMIC CALENDAR 2018 - 2019

SEMESTER I		
Orientation week	1 week	17.12.2018 – 21.12.2018
Learning weeks	20 weeks	07.01.2019 – 24.05.2019
Research Proposal Presentation	1 week	22.04.2019 – 26.04.2019
Research Proposal Submission	1 week	29.04.2019 – 03.05.2019
Revision & ESOT	1 week	27.05.2019 – 31.05.2019
SEMESTER II		
Learning weeks	20 weeks	10.06.2019 – 25.10.2019
Research Progress Presentation	1 week	15.07.2019 – 19.07.2019
Final Research Presentation	1 week	23.09.2019 - 27.09.2019
Research Project Submission	1 week	30.09.2019 - 04.10.2019
Revision week	1 week	28.10.2019 – 01.11.2019
End of Year Examination	1 week	04.11.2019 – 08.11.2019
Revision for Supplementary*	2 weeks	11.11.2019 – 22.11.2019
Supplementary Exam*	1 week	25.11.2019 – 29.11.2019
*If applicable		

Christmas & Year-end break (25.12.2018- 01.01.2019)

Chinese New Year (04.02.2019- 08.02.2019)

Hari Raya Eidul Fitri (03.06.2019- 07.06.2019)

## PROGRAMME OF STUDY

The Master of Orofacial Sciences Programme bridges the Doctor of Dental Surgery and the three-year doctorate (DResDent). This one-year programme will be a prerequisite to the first planned doctoral programme, Doctor of Restorative Dentistry (DResDent).

Mode : By Coursework

## ADMISSION REQUIREMENTS

A candidate for the Masters programme must have the following minimum requirements.

- i. A Bachelor of Dental Surgery Degree from a local University or its equivalent.
- ii. Have at least 1 year of clinical work experience after graduation.  
Registered with the Malaysian Dental Council (MDC) and holds current Annual Practising Certificate (APC) or registered with the dental regulatory body in another country and eligible to be granted a Temporary Practising Certificate (TPC) by MDC
- iii. International candidates must obtain a Band 6 IELTS (International English Language Testing System) or equivalent.

## DURATION OF STUDY

This programme shall extend over a minimum period of one (1) year [two (2) semesters] and a maximum period of two (2) years [four (4) semesters].

## MODULES

### Applied Medical & Dental Sciences

<b>Module Code:</b>	MOAM71109
<b>Module Coordinator:</b>	Dr Yeannie Yap Hui Yeng
<b>Name of Lecturers:</b>	Prof Dr Rosnah Binti Zain, Prof Dr Prabhakaran Nambiar, Prof Dr Subramaniam Krishnan, AP Dr Chan Boon Tek, AP Dr Manjit Singh Saran, AP Dr Chitra Govindaraja, AP Dr Chin Jin Han, AP Dr Deepak GS Pateel, Dr Prashanthi, Dr Soon Siew Choo, Dr Soma Sekhar Goud EV, Dr Parvez Ikram, AP Dr Aied Mohammed, Dr Ooi Chai Theam, Dr Ooi Der Jiun, Dr Haki Ismail, Dr Liew Fong Fong, Dr Muhamad Fareez bin Ismail, Dr Nazmul Haque, Dr Nisreen Mohammed, Dr Rola Ali, Dr Sulagna Dutta.

### Research Methodology

<b>Module Code:</b>	MORM 711035
<b>Module Coordinator:</b>	Dr Nur Salwana Mohamad Hanapi
<b>Name of Lecturers:</b>	Nur Sulwana Mohamad Hanapi, Dr Shilpa, AP Dr Aied, Dr Nazmul, Dr Fareez, Dr Ooi Der Jiun, Dr Fong Fong.

### Research Project

<b>Module Code:</b>	MORP 71105
<b>Module Coordinator:</b>	Dr Padmini Hari
<b>Name of Lecturers:</b>	Lecturers involved as supervisors and Co-supervisors in the research projects.



## Community Dental Practice

<b>Module Code:</b>	MOCD71105
<b>Module Coordinator:</b>	AP Dr Chia Set Hoong
<b>Name of Lecturers:</b>	AP Dr Shilpa, Dr Savithri Vengadasalam, Dr Govind, AP Dr Ratnasothy, Dr Prashanthi, AP Dr Deepak GS Pateel.

## Integrated Restorative Dentistry

<b>Module Code:</b>	MORD 71120
<b>Module Coordinator:</b>	Dr Lim Zhi Yin
<b>Name of Lecturers:</b>	Prof Dr Kiran Singbal, Prof Dr Tara Bai Taiyeb Ali, Prof. Dr Betsy Thomas, AP Dr Santhosh Kotian, AP Dr Ravikanth Jujare, AP Dr Kranthi Raja Kacharaju, Dr Shivani Kohli, AP Dr Jafar Abdulla Mohamed Usman, Dr Mangaladeivanai Elango, Dr Padmini Hari.

## STRUCTURE OF PROGRAMME OF STUDY

This programme shall be conducted in 1 year (two semesters). Semester 1 will be comprising of the following 5 modules:

1. Applied Medical and Dental Sciences
2. Research Methodology
3. Research Project
4. Community Dental Practice
5. Integrated Restorative Dentistry

The mode of delivery will be in the form of lectures, seminars, discussions, CBL, practicals, journal clubs, simulation, labs and clinics.

Semester 2 will comprise of the continuation of the following modules:

1. Applied Medical and Dental Sciences
2. Research Project
3. Integrated Restorative Dentistry

The mode of delivery will be in the form of research progress monitoring, seminars, discussions, CBL, practicals, journal clubs, simulation, labs and clinics. The completed research project will be submitted by the end of the learning session in the second semester.

## **Programme Registration**

Registration of the programme includes the registration for the courses which shall be from a week prior to the programme commencement.

## **Supervision and Monitoring of Coursework Modules**

- The appointment of an Academic Supervisor/Advisor for the students by the Programme Head shall be done upon the student registering for the programme
- The Academic Supervisor/Advisor shall monitor the students' welfare and progress in their academic coursework modules.
- The head of each coursework module will provide a report on the performance of the candidates in the continuous assessment throughout the module to the Programme Head.
- The students' performance in the continuous assessment shall be made known to the students at regular intervals and feedback will be given.

## **Supervision and Monitoring of Research Project Module**

- The appointment of a supervisor for the research project by the Programme Head shall be done not later than two (2) months into the programme. Where necessary, the appointment of co-supervisor(s) may be required for the research project.
- The head of the Research Project Module will provide a report to the Programme Head on the performance of the candidates based on the presentations and supervisors' reports.

## **Topic for the Research Project**

The determination of topic of research shall be done upon discussion with the appointed research project supervisor prior to candidate's embarkation on research work.

## Submission of Logbooks, Case Reports and Research Report

- A candidate shall submit his/her research report at least ONE month before the commencement date of the End of Year examination.
- Notice for the submission dates shall be given by the Programme Head, not later than 2 months before the commencement date of End of Year examination.
- A candidate shall submit his/her log book, case reports and research report by the date prescribed by the department prior to the examination.

## EXAMINATION

The End of Year Examination leading to the degree of Master of Orofacial Sciences (Restorative Dentistry) by coursework will comprise of:

- Written examination for the Applied Medical and Dental Sciences module
- Written Examination and an Objective Structured Clinical Examination (OSCE) for the Integrated Restorative Dentistry module

## MODES OF ASSESSMENTS IN VARIOUS MODULES

### 1. Applied Medical and Dental Sciences

Formative:

- Quiz
- Minifest
- CBL

**Summative:**

#### **(1) Continuous assessment throughout the module (40%)**

- End of Semester One Test (includes CBL) – 30%
- Assignments/Seminar reports – 5%
- Practicals – 5%

#### **(2) End of Module Examination (Final) (60%)**

- Written - MCQ (20%) and SAQ (40%)

The written examination in the final exam will consist of:

- MCQ – 1 hour – 40 marks (20%)
- SAQ/MEQ -2 hours – 80 marks (40%)

## 2. Research Methodology

### Formative:

- Quiz
- Assignments

### Summative:

Continuous assessment – 100%:

- Evaluation of statistical analysis of the data
- Critical appraisal of scientific papers.

Title	Evaluation
Quizzes	Formative
Assignments	
Critical Appraisal of Scientific Papers	40%
Evaluation of Statistical Data:	60%
• Data Management Using SPSS Software	• 20%
• Solving Statistical Problem	• 40%

## 3. Research Project

### Formative:

- Periodic progress monitoring: Question and answer during discussion with supervisor/s
- Research progress presentations and seminars.

### Summative:

- Proposal presentation (20%)
- Project/ Research presentation (40%)
- Evaluation of Report (40%)

### Overall Rating:

- A candidate who is given a pass (60% or more) will be expected to do with minor or major corrections for research project.

#### **4. Community Dental Practice**

##### **Formative:**

Questions and answers during group work and seminars. A feedback will be provided to the students based on their presentations and discussions.

##### **Summative:**

Continuous assessment – 100%:

**(1) Clinical evaluation (40%):**

Evaluation of case-based reports on management and triaging of patients at the MAHSA Primary Oral Healthcare Clinics (MPOHCC) as a component of the logbook, which will include considerations on the following:

- Plaque score & OHI/OHE
- Pit and fissure sealant application & Topical fluoride application
- Caries risk assessment & dietary advice (Oral Health Promotion)
- Tobacco cessation (Oral Health Promotion)

**(2) Project report evaluation (60%)**

The student or groups of students will be given projects and will be expected to present and submit reports on the projects which will be assessed and graded (Field trips, Team Leader for group of undergraduate students to design and conduct Oral Health Promotion projects and /or detailed report on Oral Health Promotion activities).

#### **5. Integrated Restorative Dentistry**

##### **Formative:**

- Minitests
- Quiz
- Assignments
- Simulation evaluation

##### **Summative:**

**(1) Continuous Assessment throughout the year – (40%):**

- Written - End of Semester One Test (MCQ & SAQ/MEQ) (15%)
- Log Book (20%)
- Assignments (5%)

**(2) End of Module Examination (60%)**

1. Written (MCQ (10%) + SAQ/MEQ (20%) = 30% - 3 hours
2. OSCE (30%) - 6 active stations- 1 hour

The written assessments will consist of:

1. MCQ and SAQ/MEQ for minitests
2. MCQ and SAQ/MEQ for the End of semester one test
3. MCQ & SAQ/MEQ for the End of Module Examination

## MARKING SCHEME

The marks in the examination shall be graded according to the following scheme:

<b>MARKS</b>	<b>GRADES</b>	<b>GRADE POINTS</b>	<b>STATUS</b>
80-100	A+	4.00	Pass with Distinction
75-79	A	4.00	Pass
70-74	A-	3.75	Pass
65-69	B+	3.50	Pass
60-64	B	3.00	Pass
55-59	B-	2.75	Fail
50-54	C+	2.50	Fail
45-49	C	2.00	Fail
40-44	C-	1.75	Fail
35-39	D	1.00	Fail
0-34	F	0.00	Fail

Fractions during counting of the final mark shall be rounded to the nearest digit.

## SUPPLEMENTARY EXAMINATION

- If the candidate fails the End of Year Examination, the first supplementary examination will be conducted 2 to 4 weeks after the results are announced.
- If the candidate fails the first supplementary examination, the second attempt and third attempt will be conducted 6 months and 12 months later respectively (subject to a 2 years maximum duration of MOFSc has not been exceeded).

**NOTE:** If a candidate is given a pass with minor or major corrections for research project, he or she has to do corrections within 3 months or 6 months respectively, as decided by the Board of Examiners. If a candidate fails the research project, he/she will have to repeat 6 - 12 months to conduct and pass the research project, subject to the requirement of maximum of 2 years for MOFSc program has not been exceeded.

## AWARDS

### **Award of Pass for the Modules**

A candidate may be awarded a pass for a particular module (Advanced Medical & Dental Sciences Module and the Integrated Restorative Dentistry Module) for marks of 60% or more for the said module.

### **Award of Pass with Distinction for the Modules**

A candidate may be awarded a pass with Distinction for modules (Advanced Medical & Dental Sciences Module and the Integrated Restorative Dentistry Module) for marks of 80% or more and not sat for supplementary examination for the said module.

### **Award of the Degree**

A candidate may be awarded the degree of Master of Orofacial Sciences (Restorative Dentistry) if he/she has passed the following modules:

- Advanced Medical and Dental Sciences
- Research Methodology
- Research Project
- Community Dental Practice
- Integrated Restorative Dentistry

### **Award of the Degree with Distinction**

A candidate may be awarded the degree of Master of Orofacial Sciences (Restorative Dentistry) with distinction if he/she has:

(a) obtained distinction for following modules:

- Integrated Restorative Dentistry
- Research Project

(b) Not repeated any of the modules except on medical or compassionate grounds acceptable to the Faculty.

### **APPEAL AGAINST EXAMINATION RESULTS**

Students may appeal against the examination results according to the rules stipulated. The appeal must be lodged with the Registrar of the University not later than one week after the release of the results together with the payment of the stipulated appeal fee on the approved pro forma. The Vice Chancellor will appoint an Appeal Committee chaired by the Dean of the Faculty of Dentistry. The findings and decision of the Appeal Committee will be submitted to the Senate of the University for Approval.