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# **POSTGRADUATE HANDBOOK**

ACADEMIC SESSION 2020/2021

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## MANAGEMENT

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## FOREWORD

### **THE FACULTY OF DENTISTRY UNIVERSITI MALAYA**

The Faculty warmly welcomes you to be part of this pursuit of academic and professional excellence. The Faculty of Dentistry was established in 1971. This first local dental school undertook the role of training students in Dentistry and later in the various specialties, a function that was previously fulfilled by overseas universities. Graduates of Faculty have become successful practitioners in the private sector or senior specialties and administrators/policy makers in the government services as well as respected academician.

The Faculty received recognition for its high standard of teaching, research and professionalism when the General Dental Council of the United Kingdom gave its recognition to the University's Bachelor of Dental Surgery degree in December 1997. The first postgraduate program, the Master of Community Dentistry was introduced in 1994. This was followed by Master of Dental Science in 1996. Master in Clinical Dentistry, Master of Orthodontics and Master of Dental Surgery were introduced in 2000. These postgraduate courses cover a range of disciplines and conducted through coursework and/or research.

The Dental Faculty was recognized by the Royal College of Surgeons of England as a training centre for the Fellowship in Dental Surgery (FDS) in 1989. The first Part 1 examination was conducted in the Faculty in 1993 and the final FDSRCS (Eng) examination in the following year. The Dental Faculty was also recognized as a training hospital that fulfilled the clinical prerequisites of the Membership of the Faculty of Dentistry (MFDS) examinations. The feasibility to sit for the FDSRCS and MFDS (Eng) examination locally had a positive effect on the number of dental practitioners and specialist in the country. It is indeed a privilege for the UM Dental Faculty to be recognized as one of the new 'overseas' training and examination centre by the Royal College of Surgeons of England. The faculty is now a recognised regional centre for Membership of the Joint Dental Faculties (MJDF) Part 1 and 2, Intercollegiate Membership in Orthodontics (IMOrth) Part 1 and 2, and Membership in Restorative Dentistry (MRD) examinations.

Three Master of Clinical Dentistry programmes; Restorative Dentistry in Conservative Dentistry, Restorative Dentistry in Prosthetic Dentistry and Periodontology offered by the Faculty had been recognised as a 'training centre' for the Membership of Restorative Dentistry RCS (Eng) examination. The three-year training programme for the MClin Dent Paediatric Dentistry was recognised as being equivalent to 3-years' recognised training in the UK, thus allowing those who have completed the training to

sit the MPAed Dent. Accreditation of Laboratory for Pathology training in the discipline of Oral Pathology was conferred by the Royal College of Pathologists of Australasia in August 2011. The Master of Orthodontics is recognized by the Hospital Recognition Committee, The Royal College of England and The Royal College of Surgeons and Physician of Glasgow as a Training Centre in Orthodontics since 2001.

The postgraduate courses conducted by the Faculty are getting more demand from both local and international students. International students come from many parts of the world like India, Pakistan, Indonesia, Philippines, Thailand, Libya, Iraq, Iran, Brunei, Palestine, Kenya, England, Africa, Yemen, Oman, Bangladesh and also Brazil.

Research is an integral part of postgraduate course and there are currently 7 major research groups, all of them are headed by experienced research leaders. Their researches focus on various niche areas, such as biomaterial technology, oral cancer, oral & craniofacial biology and dentistry, community dentistry, regenerative dentistry and dental education. The respective research groups are as follows:

Biomaterials Technology Research Group (BTRG)

Head: **Dr. Noor Azlin Yahya**

Oral Cancer Research & Coordinating Centre (OCRCC)

Head: **Professor Dr. Jennifer Geraldine Doss**

Oral & Craniofacial Biology Research Group (OCBRG)

Head: **Professor Dr. Ian Charles Paterson**

Clinical Craniofacial Dentistry Research Group (CCDR.G)

Head: **Associate Professor Dr. Wey Mang Chek**

Community Oral Health Research Group (COHRG)

Head: **Professor Dr. Zamros Yuzadi Mohd Yusof**

Regenerative Dentistry Research Group (ReDR.eG)

Head: **Professor Dr. Sabri Musa**

Dental Education Research Group (DERG)

Head: -

Oro-Cranio-maxillofacial Research & Surgical Group (OCReS)

Head: **Associate Prof. Dr. Firdaus Bin Hariri**

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

## MISSION AND VISION

### UNIVERSITI MALAYA

#### **Mission**

To advance knowledge and learning through quality research and education for the nation and for humanity.

#### **Vision**

To be internationally renowned university of higher learning in research, innovation, publication and teaching.

### FACULTY OF DENTISTRY

#### **Mission**

To be a centre of excellence in oral health science education and research and to function as a catalyst to promote learning and research in dentistry.

#### **Vision**

To be a premier faculty in providing a high standard of training and research to produce caring dental professionals with holistic approach.

# ACADEMIC CALENDAR 2020/2021

## GENERAL ACADEMIC CALENDAR

SEMESTER I				
Registration	1 week	05.10.2020	-	09.10.2020
Lectures	5 weeks*	12.10.2020	-	15.11.2020
Mid-Semester I Break	1 week	16.11.2020	-	22.11.2020
Lectures	9 weeks*	23.11.2020	-	24.01.2021
Semester I Final Examination	3 weeks*	25.01.2021	-	14.02.2021
Semester Break	3 weeks*	15.02.2021	-	07.03.2021
<b>22 weeks</b>				
SEMESTER II				
Registration	1 week	01.03.2021	-	05.03.2021
Lectures	10 weeks*	08.03.2021	-	16.05.2021
Mid-Semester II Break	1 week	17.05.2021	-	23.05.2021
Lectures	4 weeks*	24.05.2021	-	20.06.2021
Revision Week	1 week*	21.06.2021	-	27.06.2021
Semester II Final Examination	3 weeks*	28.06.2021	-	18.07.2021
<b>19 weeks</b>				
SEMESTER BREAK				
Break	11 weeks*	19.07.2021	-	03.10.2021
SPECIAL SEMESTER				
Lectures	7 weeks*	26.07.2021	-	12.09.2021
Special Semester Final Examination	1 week	13.09.2021	-	19.09.2021
Break	2 weeks*	20.09.2021	-	03.10.2021
<b>10 weeks</b>				
*Public Holidays in Malaysia				
National Day (31 August 2020)		Nuzul Al-Quran (29 April 2021)		
Malaysia Day (16 September 2020)		Labour Day (01 May 2021)		
Maulidur Rasul (29 October 2020)		Eidul Fitri (13 & 14 May 2021)		
Deepavali (14 November 2020)		Wesak Day (26 May 2021)		
Christmas Day (25 December 2020)		His Majesty's King's Birthday (7 June 2021)		
New Year (1 January 2021)		Eidul Adha (20 July 2021)		
Thaipusam (28 January 2021)		Awal Muharam (10 August 2021)		
Federal Territory Day (01 February 2021)		National Day (31 August 2021)		
Chinese New Year (12 & 13 February 2021)				



## LIST OF DEPARTMENTS

### **DEPARTMENT OF RESTORATIVE DENTISTRY**

Level 5, Dental Specialist & Research Tower, Faculty of Dentistry UM

### **DEPARTMENT OF COMMUNITY ORAL HEALTH & CLINICAL PREVENTION**

Block D, Level 2, Faculty of Dentistry UM

### **DEPARTMENT OF PAEDIATRIC DENTISTRY & ORTHODONTICS**

Block A, Level 2, Faculty of Dentistry UM

### **DEPARTMENT OF ORAL & CRANIOFACIAL SCIENCES**

Level 2, Balai Ungku Aziz, Faculty of Dentistry UM

### **DEPARTMENT OF ORAL AND MAXILLOFACIAL CLINICAL SCIENCES**

Block A, Level 1, Faculty of Dentistry UM

## DEPARTMENT OF RESTORATIVE DENTISTRY

<b>Head</b>	<b>Associate Professor Dr. Norasmatul Akma Ahmad</b> BDS (Malaya), MCLinDent in Prosthodontics with Distinction (London), MRDRCS (Edinburgh)
<b>Professor</b>	<b>Professor Dr. Norsiah Yunus</b> BDS (Glasgow), MSc in Prosthetic Dentistry (Bristol)
<b>Associate Professors</b>	<b>Associate Professor Dr. Chai Wen Lin</b> BDS (Malaya), MDSc (Malaya), FDSRCS (England), PhD (Sheffield)
	<b>Associate Professor Dr. Zeti Adura Che Ab. Aziz</b> BDS (Otago), MCLinDent in Endodontology (London)
	<b>Associate Professor Dr. Mariam Abdullah</b> BDS (Otago), MCLinDent in Endodontology (London)
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## DEPARTMENT OF ORAL AND MAXILLOFACIAL CLINICAL SCIENCES

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<b>Professors</b>	<b>Professor Dr. Ngeow Wei Cheong @ David Ngeow</b> BDS (Malaya), MDSc (Malaya), FFDRCS (Ireland), FDSRCS (England), PhD (Sheffield)  <b>Professor Dr. Wanninanyake Mudiyanseelage Tilakaratne</b> BDS (Peradeniya) MS (Colombo), FDSRCS (England), FRCPath (UK), PhD (Niigata)
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<b>Lecturers</b>	<b>Dr. Siti Mazlipah Ismail</b> BDS (Malaya), FDSRCS (England)  <b>Dr. Anand Ramanathan</b> BDS (Tamilnadu), MDS (Annamalai)  <b>Dr. Kathreena Masnah @ Kadir</b> BDS (Malaya), MClintDent OMFS (Malaya)  <b>Dr. Zakiah Mat Ripen</b> BDS (Malaya), MClintDent OMFS (Malaya)  <b>Dr. Chan Siew Wui</b> BDS (USM), MClintDent OMOP (Malaya)

**Dr. Daniel Lim Khim Hock**

BDS (Malaya), MCLinDent OMFS (Malaya)

**Dr. Goh Yet Ching**

BDS (Malaya), MFDS RCSEd, MCLinDent OMOP (Malaya)

**Dr. Muhammad Kamil Hassan**

BDS (Ire), MFDS (Edin), MSC (Ire), MFDRC SI

**Dr Karthick Sekar**

BDS (Ind), MDS (Ind), MFDRC SI (Ire), FICD (USA)

**Dr. Nurul Izyan Zainuddin**

BDS (Malaya), DCLinDent OP (Otago)

**Dr. Rabi'ah Al-Adawiyah Rahmat**

BDS (Salem), GDipForOdont (Adel), PhD Forensic (Adel)

**Dr. Tan Chuey Chuan**

DDS (USM), MCLinDent OMFS (Malaya), MFDSRCS (Edinburgh)

**Honorary  
Consultants**

**Professor Dato' Dr. Zainal Ariff Abdul Rahman**

BDS (Dhaka), MSc (London), FFDRCS (Ireland), FDSRCS (England)

**Professor Dr. Rosnah Mohd Zain**

BDS (Queensland), MS (Michigan), Fellow AAOMP (USA), FASc (MY)

**Professor Dr. Phrabhakaran Nambiar**

BDS (Mys), BSc Dent (Hons) (Adel), MSc Dent (Adel), MSc Dent (UWC), P-GDipDent (Stellenbosch), FFOMP (RCPA)

**Adjunct  
Professor**

**Professor Dr. Cheong Sok Ching**

B.Sc (Hons) (UKM), PhD Molecular Biology (UKM)

**Trainee  
Lecturers**

**Dr. Amir Hazwan Abdul Rahim**

BDS (Lon), MSc (Forenodont) (Leuven)

**Dr. Nur Fauziani Zainul Abidin**

BDS (Otago)

**Supporting  
Administrative  
Staff**

**Mrs. Sainah Kasbollah  
Mrs. Thamilarasi A/P Thanaperumal**

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## PROGRAMMES OFFERED

### ACADEMIC SESSION 2020/2021

#### **Clinical Coursework Programmes**

Master of Oral Science

Master of Clinical Dentistry (Oral and Maxillofacial Surgery)

#### **Coursework Programmes**

Master of Community Oral Health

#### **Mixed-mode Programmes**

Doctor of Dental Public Health

#### **Research Programmes**

Master of Dental Science

Doctor of Philosophy

# MASTER OF ORAL SCIENCE

## MODE: BY CLINICAL COURSEWORK

### 1. PROGRAMME COORDINATOR

DR. NURUL ZEETY AZIZI

Department of Paediatric & Orthodontics Dentistry

### 2. COURSE COORDINATOR

- **Research Methodology (DSX7001):**

- Associate Professor Dr. Yap Lee Fah,  
Department of Oral & Craniofacial Sciences

- **Research Project (DSA7002):**

- Professor Dr. Norsiah Yunus (Deputy Dean, Postgraduate),  
Department of Restorative Dentistry

- **Basic Medical Science (DSA7003):**

- Dr. Daniel Lim Khim Hock,  
Department of Oral & Maxillofacial Clinical Sciences

- **Outreach Dentistry (DSA7004):**

- Associate Professor Dr. Jacob John,  
Department of Restorative Dentistry

- **Basic Life Support (DSA7005):**

- Associate Professor Dr. Firdaus Hariri,  
Department of Oral & Maxillofacial Clinical Sciences

- **General Dentistry (DSA7006):**

- Associate Professor Dr. Syarida Hasnur Safii,  
Department of Restorative Dentistry

- **Prosthodontics (DSA7009):**

- Associate Professor Dr. Eshamsul Sulaiman,  
Department of Restorative Dentistry

- **Paediatric Dentistry (DSA7010):**

- Associate Professor Dr. Shani Ann Mani,  
Department of Paediatric & Orthodontics Dentistry

- **Special Care Dentistry (DSA7013):**

- Dr. Maryani Mohamed Rohani,  
Department of Paediatric & Orthodontics Dentistry

### **3. PROGRAMME OF STUDY**

The Master of Oral Science is a full-time clinical programme. It is aimed at providing a learning framework that allows candidates to advance the academic and clinical skills in aspects of general practice dentistry and research skill, in preparation for further specialist doctorate training. It is also aimed at updating dental practitioners on current advances in clinical practice and issues in the delivery of general practice dentistry. It can also be a pathway for candidates to enter PhD by research programme.

### **4. ADMISSION REQUIREMENTS**

- (1) A Bachelor's degree or an equivalent degree in Dentistry from local and foreign universities and have at least two (2) years post registration clinical experience in dentistry; AND
- (2) 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; AND
- (3) Satisfy health and other requirements as required by University of Malaya; AND
- (4) Pass the interview (this is to assess the suitability of candidates under the master clinical programme); AND
- (5) Fulfil the requirements for admission as prescribed by the Faculty; AND
- (6) Fulfils English Competency Requirement for Malaysian and non-Malaysian citizens who obtain qualifications from University or Higher Education Institute outside Malaysia (any ONE of the followings):
  - (a) Obtained a minimum score of 600 (Paper Based Test); or score of 250 (computer based-test) or score of 100 (internet test) in the Test of English as a Foreign Language (TOEFL); OR
  - (b) Obtained a minimum score of band 6 or band according to program standard in the International English Language System (IELTS); OR



- (c) Pearson Test of Academic English (PTE Academic) with minimum score of 42; OR
- (d) English Language subject at A-level with Grade C and above; OR
- (e) Cambridge English: First (FCE) grade C and above; OR
- (f) Cambridge English: Advance (CAE) Grade C and above; OR
- (g) Cambridge English: Proficiency (CPE) Grade C and above; OR
- (h) Malaysian University English Test (MUET) with minimal band 5

## **5. DURATION OF STUDY**

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

## **6. STRUCTURE OF PROGRAMME OF STUDY**

- (1) This programme shall consist of the following components, comprising instruction in courses over a period of two (2) semesters:
  - (a) Faculty Core Course:
    - i) Research Methodology
  - (b) Programme Core Course:
    - i) Basic Medical Science
    - ii) General Dentistry
    - iii) Basic Life Support
    - iv) Outreach Dentistry
    - v) Research Project
  - (c) Programme Clinical Course (Elective):
    - i) Paediatric Dentistry
    - ii) Special Care Dentistry
    - iii) Prosthodontics

- (2) The scope of the programme is given in the Course Proforma and Course Information as given by the programme coordinators.

## **7. COURSE REGISTRATION**

Registration of courses shall be completed by second lecture week of a semester.

## **8. ACADEMIC SUPERVISION**

- (1) The appointment of a supervisor shall be done at a point when a candidate's field of research is approved. Where necessary, the appointment of co-supervisor(s) may be required for the research component.
- (2) The supervisor and co-supervisor for the clinical training shall submit a report on the candidature progress to the Head of Department at the end of each semester.
- (3) The consultant appointed to the candidate shall also submit a report on the candidature clinical progress to the Head of Department at the end of each posting and six months' interval for a posting longer than six months.

## **9. FIELD OF RESEARCH**

The determination of field of research shall be done prior to candidate's embarkation on research work.

## **10. SUBMISSION**

A candidate shall submit his/her research report at least ONE month before the commencement date of Part II examination.

## **11. EXAMINATION**

- (1) The examination leading to the degree of Master of Oral Science by clinical coursework shall be the:
  - (a) Basic Medical Science Examination
  - (b) Final Professional Examination. The professional examination in this programme consist of 2 parts:
    - i) Part 1: Clinical Course (Elective)
    - ii) Part 2: Research Project

(2) Exemption from Basic Medical Science Examination:

A candidate may be exempted from the Basic Medical Science course examination if he/she has passed:

(a) the examination for Membership of either:

Membership of the Joint Dental Faculty Royal College of Surgeons of England [MJDF RCS (England)]; or

Membership of the Faculty of Dental Surgery Royal College of Surgeons of Edinburgh [MFDS RCS (Edinburgh)]; or

Membership of the Faculty of Dental Surgery Royal College Physician and Surgeons of Glasgow [MFDS RCPS (Glasgow)]; or

Membership of the Faculty of Dentistry Royal College of Surgeons in Ireland (MFD RCS (Ireland));

**OR**

b) the examination of any other colleges that may be approved by the Senate on the recommendation of the Faculty from time to time;

**OR**

c) the examination of the Basic Medical Sciences of the University of Malaya.

Exemption for sitting this part of the examination for candidates with equivalent professional qualification, however the requirement for at least 80% compulsory attendance for the whole series of lectures is applicable.

For these candidates with the exemption status, in addition to the compulsory attendance at the BMS lectures, they shall be required to attend sessions in respective clinical disciplines equivalent of 6 hours SLT (which is the SLT for BMS examination).

(3) Examination Components and Allocation of Marks

(a) Basic Medical Science Examination

- (i) The components of the Basic Medical Science examination and the marks to be allocated to each component shall be as follows:

<b>Component</b>	<b>Subcomponent</b>	<b>Allocation of Marks (Maximum)</b>
Component A	Paper I – Short Answer Questions (SAQ)	50
Component B	Paper II – One Best Answer (OBA) / Extended Matching Questions (EMQ) / Multiple-Choice Questions (MCQ)	50
	<b>Grand Total</b>	100

- (b) Final Professional Examination: Clinical Course

- (i) The components of the Clinical Course and the marks to be allocated to each component shall be as follows:

<b>Component</b>	<b>Subcomponent</b>	<b>Allocation of Marks (Maximum)</b>
Component A	Continuous Assessment	40
Component B	Final examination	60
	<b>Grand Total</b>	100

- (c) Final Professional Examination: Research project

- i) The components of the Research Project and the marks to be allocated to each component shall be as follows:

<b>Programme</b>	<b>Allocation of Marks (Maximum)</b>	
Research Project	<b>Summative assessment</b>	<b>100%</b>
	Research report	70%
	Viva voce	30%

## Examination Assessment

### Marking Scheme

- (d) The marks in the examination shall be graded according to the following scheme:

Marks	Grade	Meaning
90-100	A+	High Distinction
80-89	A	Distinction
75-79	A-	
70-74	B+	Pass
65-69	B	
60-64	B-	Fail
55-59	C+	
50-54	C	
45-49	C-	
40-44	D+	
35-39	D	
00-34	F	

#### (4) Requirements for Passing an Examination

##### (a) Basic Medical Science Examination

A candidate shall be deemed to have passed the above examination if he has obtained:

- 65% or more of the aggregate combined marks for component A and B

Candidates with redeemable marks (60 – 64%) must attend a borderline viva voce. In passing the borderline viva voce, the marks will be upgraded to a pass mark of 65%.

#### **Re-Examination**

A candidate who has failed may be required:

- To undergo remedial class; and

- Permitted a re-examination on ONE occasion only within the same candidature period
- Re-examination shall consist of the same components and shall be assessed and graded in the same manner as prescribed for the main examination

(b) Final Professional Examination

The professional Examination in this programme consist of 2 parts:

**Part 1: Clinical Course**

A candidate shall be deemed to have passed this examination, if he/she pass the Clinical Course (elective) which he/she has enrolled at the beginning of the programme and obtains:

- 65% or more of the aggregate combined marks of continuous assessment and summative assessment marks

**Re-examination**

A candidate who has failed this part of the examination, shall be required:

- To undergo remedial class; and
- Permitted a re-examination on ONE occasion only within the same candidature period

A candidate who has failed the re-examination, shall be permitted on the recommendation of Board of Examiners to repeat the course.

**Part 2: Research Project**

To pass the course, the candidate must obtain:

- 65% or more of the aggregate combined marks for component A and component B

## **Re-examination**

A candidate who has failed this part of the examination, shall be required:

- Failure to obtain a pass, may require resubmission with correction of the research report according to the recommendation of the boards of examiners
- Re-evaluation of the research report with supervisor's verification by the internal examiner
- A candidate who failed to submit his/her research report by the end of the prescribed period for re-examination or whose research report fails to satisfy the Committee of Examiners after re-submission, shall be deemed to have failed the re-examination in the research report.

## **12. AWARD OF THE DEGREE**

A candidate may be awarded the degree of Master of Oral Science, if he/she passed:

- (a) Basic Medical Science examination or has obtained the exemption; AND
- (b) Final professional examination; AND
- (c) Has shown satisfactory completion of these courses;
  - Outreach Dentistry
  - Basic Life Support
  - Research Methodology
  - General Dentistry; AND
- (d) Satisfy the language requirements set by the university; AND
- (e) Satisfy other requirements of the University for Master by Clinical Coursework

## **13. AWARD OF PASS WITH DISTINCTION FOR THE EXAMINATION**

A candidate may be awarded a pass with Distinction if he/she has:

- (a) Obtained 90% or more of the combined marks of the Final Examination (clinical course and research) and;
- (b) Not failed any courses of the programme; and;

Not repeated the prescribed examinations, any component of the prescribed examinations or any part of the programme of study leading to the prescribed examinations, except on medical or compassionate grounds acceptable to the Faculty



# MASTER OF CLINICAL DENTISTRY (ORAL AND MAXILLOFACIAL SURGERY)

## MODE: BY CLINICAL COURSEWORK

### 1. PROGRAM OF STUDY

The Master of Clinical Dentistry (Oral and Maxillofacial Surgery) programme is a clinical coursework with 30% research component.

### 2. ADMISSION REQUIREMENTS

- (1) A Bachelor's degree or an equivalent degree in Dentistry from local and foreign universities and have at least two (2) years post registration clinical experience in dentistry; AND
- (2) 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; AND
- (3) Satisfy health and other requirements as required by University of Malaya; AND
- (4) Pass the interview (this is to assess the suitability of candidates under the master clinical programme); AND
- (5) Fulfil the requirements for admission as prescribed by the Faculty; AND
- (6) Fulfils English Competency Requirement for Malaysian and non-Malaysian citizens who obtain qualifications from University or Higher Education Institute outside Malaysia (any ONE of the followings):
  - (a) Obtained a minimum score of 600 (Paper Based Test); or score of 250 (computer-based test) or score of 100 (internet test) in the Test of English as a Foreign Language (TOEFL); OR
  - (b) Obtained a minimum score of band 6 or band according to program standard in the International English Language System (IELTS); OR
  - (c) Pearson Test of Academic English (PTE Academic) with minimum score of 42; OR

- (d) English Language subject at A-level with Grade C and above; OR
- (e) Cambridge English: First (FCE) grade C and above; OR
- (f) Cambridge English: Advance (CAE) Grade C and above; OR
- (g) Cambridge English: Proficiency (CPE) Grade C and above; OR
- (h) Malaysian University English Test (MUET) with minimal band 5

### **3. DURATION OF STUDY**

This programme shall extend over a minimum period of eight (8) semesters and a maximum period of twelve (12) semesters.

### **4. STRUCTURE OF PROGRAMME OF STUDY**

- (1) This programme shall consist of THREE parts:
  - (a) Part I: comprising instruction in courses over a period of two (2) semesters.
    - (i) Basic Medical Science
    - (ii) General Dentistry;
    - (iii) Information and Communication Technology (ICT), Research Methodology and Biostatistics;
  - (b) Part II over a period of five (5) semesters comprising of:
    - (i) Teaching, training and coursework in the specialty; and
    - (ii) Research component leading to the submission of research report.
  - (c) Part III comprising of clinical attachment in the specialty option, in the Faculty of Dentistry, University of Malaya or clinical training centre recognized by the University over a period of two (2) semesters.
- (2) The scope of the programme is given in the Course Proforma and Course Information as given by the department carrying out the specialty programme.

## **5. COURSE REGISTRATION**

Registration of courses shall be completed by second lecture week of a semester.

## **6. ACADEMIC SUPERVISION**

- (1) The appointment of a supervisor shall be done at a point when a candidate's field of research is approved. Where necessary, the appointment of co-supervisor(s) may be required for the research component.
- (2) The supervisor and co-supervisor for the clinical training shall submit a report on the candidature progress to the Head of Department at the end of each semester.
- (3) The consultant appointed to the candidate shall also submit a report on the candidature clinical progress to the Head of Department at the end of each posting and six months' interval for a posting longer than six months.

## **7. FIELD OF RESEARCH**

The determination of field of research shall be done prior to candidate's embarkation on research work.

## **8. SUBMISSIONS**

- (1) A candidate shall submit his/her research report at least ONE month before the commencement date of Part II examination.
- (2) A candidate shall submit his/her logbook by the date prescribed by the department prior to the examination.

## **9. EXAMINATION**

- (1) The examination leading to the degree of Master of Clinical Dentistry (Oral Maxillofacial Surgery) by clinical coursework shall be the:
  - (a) Part I examination;
  - (b) Part II examination; and
  - (c) Final examination.
- (2) No candidate shall be permitted to sit for the Part I examination unless he/she has attended to the satisfaction of the Faculty, the lectures extending over a period of six months, in Basic Medical Sciences.

(3) No candidate shall be permitted to sit for the Part II examination unless he/she has:

(a) passed or been exempted from the Part I examination. A candidate may be exempted from the Part I examination if he/she has passed:

(i) the examination for Membership of either:

Membership of the Joint Dental Faculty Royal College of Surgeons of England [MJDF RCS (England)]; or

Membership of the Faculty of Dental Surgery Royal College of Surgeons of Edinburgh [MFDS RCS (Edinburgh)]; or

Membership of the Faculty of Dental Surgery Royal College Physician and Surgeons of Glasgow [MFDS RCPS (Glasgow)]; or

Membership of the Faculty of Dentistry Royal College of Surgeons in Ireland (MFD RCS (Ireland));

**OR**

(ii) the examination of any other colleges that may be approved by the Senate on the recommendation of the Faculty from time to time;

**OR**

(iii) the examination of the Basic Medical Sciences of the University of Malaya.

**AND**

(b) submitted his/her research report not later than **ONE** month before the Part II examination.

**AND**

(c) obtained at least 60% marks of the continuous assessment component of the Part II examination.

(4) No candidate shall be permitted to proceed to the Final examination unless he has:

(a) passed the Part II examination; and

- (b) submitted his/her log book for examination not later than **ONE** month before the Final examination.
- (5) The Part I examination shall be held at the end of the Part I programme of study. The Part II examination shall be held at the end of the Part II programme of study. The Final examination shall be held at the end of the Part III program of study.
- (6) Examination Components and Allocation of Marks
- (a) Part I Examination
- (i) The components of the Part I examination and the marks to be allocated to each component shall be as follows:

<b>Component</b>	<b>Subcomponent</b>	<b>Allocation of Marks (Maximum)</b>
Component A	Paper I – Multiple Choice Questions (MCQ)	50
Component B	Paper II – Short Answer Questions (SAQ)	50
	<b>Grand Total</b>	100

- (ii) Candidate has to satisfy the requirements for other courses registered for this part of the programme.
- (b) Part II Examination
- (i) The components of the Part II examination and the marks to be allocated to each component shall be as follows:

<b>Component</b>	<b>Subcomponent</b>	<b>Allocation of Marks (Maximum)</b>
Component A	Continuous Assessment	60
Component B	i. Written paper	70
	ii. Clinical/practical and viva voce	70
Component C	Research report and viva voce	100
	<b>Grand Total</b>	300

(ii) Candidate has to satisfy the requirements for other courses registered for this part of the programme.

(c) Final Examination

The components of the Final examination and the marks to be allocated to each component shall be as follows:

<b>Component</b>	<b>Allocation of Marks (Maximum)</b>
(i) Logbook and Continuous Assessment	60
(ii) Practical+ /Clinical+ /Viva voce	40
<b>Grand Total</b>	100

(7) Examination Assessment

Marking Scheme

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

(b)

Marks	Grade	Meaning
90-100	A+	High Distinction
80-89	A	Distinction
75-79	A-	
70-74	B+	Pass
65-69	B	
60-64	B-	Fail
55-59	C+	
50-54	C	
45-49	C-	
40-44	D+	
35-39	D	
00-34	F	

(c) Fractions during calculation of the final mark shall be rounded to the nearest digit.

(d) For the Part I examination:

- (i) candidates who obtained 60-64 marks must attend the viva voce conducted by the related examiner(s); and
- (ii) if the candidate shows satisfactory performance, the marks will be raised to 65 upon recommendation by the examiners.

(8) Requirements for Passing an Examination

A candidate shall be deemed to have passed the examinations prescribed below if he has obtained:

(a) Part I Examination

65% or more of the marks for each of the Component A and Component B of the Part I examination.

(b) Part II Examination

- (i) 65% or more of the aggregate combined marks for Component A, Component B and Component C of the Part II examination;

- (ii) 60% or more of the marks for each of the sub Component (i) and (ii) of Component B of the Final examination; and
- (iii) 65% or more of the marks for Component C of the Final examination.

(c) Final Examination

65% or more of the aggregate combined marks for components of this examination.

(9) Repeating an Examination

(a) Part I Re-Examination

- (i) A candidate who has failed the Part I examination may be permitted a repeat examination on one occasion only after repeating such parts of the course over a period of time as determined by the Committee of Examiners and approved by the Faculty.
- (ii) The Part I Re-examination shall consist of the same components and shall be assessed and graded in the same manner as prescribed for the main Part I examination.
- (iii) A candidate who fails the Part I Re-examination shall be deemed to have failed the Part I examination but shall be permitted, on the recommendation of the Committee of Examiners and with approval of the Faculty of Dentistry, to repeat the Part I of the programme of study.
- (iv) A candidate who fails the Part I examination after repeating his/her programme of study shall be terminated from the Master of Clinical Dentistry (Oral and Maxillofacial Surgery) degree programme and be refused re-admission to the programme.

(b) Part II Re-Examination

- (i) (A) A candidate who has failed **Component B and Component C** of the Part II examination may be permitted a re-examination on two occasions after repeating such parts of the course over



a period of time as may be determined by the Committee of Examiners and approved by the Faculty.

- (B) A candidate who has failed either **Component B** or **Component C** of the Part II examination may be granted a provisional pass in the component that he/she has passed and be required to re-sit on two occasions, only the component that he/she has failed after repeating such parts of the course over a period of time as may be determined by the Committee of Examiners and approved by the Faculty.
  - (ii) The Part II **re-examination** shall be assessed and graded in the same manner as prescribed for the main Part II Examination.
  - (iii) A candidate's research report that is deemed unsatisfactorily by the Committee of Examiners may be referred for further work over a period of time to be determined by the Committee of Examiners except that such periods of time as determined, shall not exceed one year on any one occasion. At the end of the prescribed period the candidate shall be required to **re-submit** the research report for re-examination.
  - (iv) A candidate who failed to submit his/her research report by the end of a prescribed period for re-examination or whose research report after re-submission, fails to satisfy the Committee of Examiners, shall be deemed to have failed the re-examination in the research report.
  - (v) A candidate shall not be permitted to submit the research report for re-examination on more than two occasions.
  - (vi) A candidate who fails the Part II re-examination on the second occasion shall be deemed to have failed the Part II examination and shall not be permitted to repeat the programme of study except in special circumstances on the recommendation of the Faculty of Dentistry and with the approval of Senate.
- (c) Final Re-Examination
- (i) A candidate who has failed the Final examination may be permitted a repeat examination on one occasion only after repeating such parts of the course over a period of ONE year except in special

circumstances on the recommendation of the Faculty of Dentistry and such period of time as determined, shall not exceed one year.

- (ii) A candidate who has failed the Final re-examination shall be deemed to have failed the Final examination and shall not be permitted to repeat the programme of study except in special circumstances on the recommendation of the Faculty of Dentistry and with the approval of the Senate.
- (d) A candidate who has passed the re-examination for the examinations mentioned above shall be deemed to have passed the prescribed examinations.

## **10. AWARD OF PASS WITH DISTINCTION FOR THE EXAMINATION**

A candidate may be awarded a pass with Distinction in the Part I examination, Part II examination or the Final examination if he has:

- (a) Obtained 90% or more of the aggregate combined marks of the components and at least 65% or more of the marks of each component in the prescribed examinations;
- (b) Not failed any component of the prescribed examinations; and;
- (c) Not repeated the prescribed examinations, any component of the prescribed examinations or any part of the programme of study leading to the prescribed examinations, except on medical or compassionate grounds acceptable to the Faculty.

## **11. AWARD OF THE DEGREE**

A candidate may be awarded the degree of Master of Clinical Dentistry (Oral Maxillofacial Surgery) if he has:

- (a) passed the Part I, Part II and Final Examination for the degree of Master of Clinical Dentistry (Oral Maxillofacial Surgery) as prescribed above; and
- (b) satisfactorily fulfilled the requirements for courses in Information and Communication Technology (ICT); Research Methodology and Biostatistics; and General Dentistry.

## **12. AWARD OF THE DEGREE WITH DISTINCTION**

A candidate may be awarded the degree of Master of Clinical Dentistry (Oral Maxillofacial Surgery) (with Distinction) if he has:

- (a) passed with distinction in the Part II examination and Final examination for the degree of Master of Clinical Dentistry (Oral Maxillofacial Surgery) as prescribed above; and
- (b) Not repeated the Part I examination, Part II examination or the Final examination or any part of the programme of study leading to Part I examination, the Part II examination or the Final examination except on medical or compassionate grounds acceptable to the Faculty.

# MASTER OF COMMUNITY ORAL HEALTH

## MODE: BY COURSEWORK

### 1. PROGRAMME CLASSIFICATION

This master's degree programme by coursework is 42 credits; 33 credits (80%) coursework and 9 credits (20%) research component. This is a one year fulltime course comprising 2 semesters and one special semester. The maximum period of candidature is 8 semester and 4 special semesters.

### 2. ADMISSION REQUIREMENTS

- (1) A Bachelor's degree or an equivalent degree in Dentistry from local and foreign universities; priority is for candidates with a CGPA at least 3.0 and above or its equivalent, and have at least two (2) years post-registration clinical experience in dentistry; AND
- (2) Registered with the Malaysian Dental Council (MDC) and holds current Annual Practicing Certificate (APC) or registered with the dental regulatory body in another country and eligible to be granted a Temporary Practicing Certificate (TPC) by MDC; AND
- (3) Satisfy health and other requirements as required by University of Malaya; AND
- (4) Pass the interview (this is to assess the suitability of candidates under the master clinical programme); AND
- (5) Fulfil the requirements for admission as prescribed by the Faculty/ Department from time to time; AND
- (6) Fulfil English Competency Requirement for Malaysian and non-Malaysian citizens who obtain qualifications from University or Higher Education Institute outside Malaysia (any ONE of the followings):
  - (a) Obtained a minimum score of 600 (Paper-based test); or a score of 250 (Computer-based test) or a score of 100 (internet test) in the Test of English as a Foreign Language (TOEFL); OR

- (b) Obtained a minimum score of band 6 or band according to the programme standard in the International English Language System (IELTS); OR
- (c) Pearson Test of Academic English (PTE Academic) with minimum score of 42; OR
- (d) English Language subject at A-level with Grade C and above; OR
- (e) Cambridge English: First (FCE) grade C and above; OR
- (f) Cambridge English: Advance (CAE) Grade C and above; OR
- (g) Cambridge English: Proficiency (CPE) Grade C and above; OR
- (h) Malaysian University English Test (MUET) with minimum band 5

### **3. DURATION OF STUDY**

This programme shall extend over a minimum period of two (2) semesters + one (1) special semester, and a maximum period of eight (8) semesters + four (4) special semesters.

### **4. STRUCTURE OF PROGRAMME OF STUDY**

- (1) This programme comprises nine (9) core courses, two (2) elective courses, and a research project.
  - (a) Core Courses: Six (6) courses to be successfully completed and passed in the first semester, and three (3) courses to be successfully completed and passed in the second semester.
  - (b) Elective Courses: Two (2) elective courses are to be taken with the Master of Public Health candidates of Department of Social and Preventive Medicine, Faculty of Medicine, UM. These elective courses are to be successfully completed and passed in the second semester.
  - (c) Research Project: The research project is taken in the first semester up to the second semester.
- (2) The details of each of this programme's courses are given in the Course Proforma and Course Information as given by the Department.

## 5. COURSE REGISTRATION

Registration of courses shall be completed by second lecture week of a semester.

## 6. RESEARCH SUPERVISION

- (1) The appointment of a supervisor shall be done at a point a candidate's field of research is approved.
- (2) Where necessary, the appointment of co-supervisor(s) and/or consultant(s) may be done.

## 7. FIELD OF RESEARCH

The determination of field of research shall be done prior to a candidate's embarkation on research work.

## 8. SUBMISSIONS

- (1) A candidate shall submit his/her research report at least ONE month before the commencement of the examination date.
- (2) Notice for the submission of the research report will be given when the candidate submits the title of the research project for approval.

## 9. EXAMINATION

- (1) The assessment for the examination for the coursework component shall be based on the following grading scheme stipulated in the following regulation: **University of Malaya Rules and Regulations (Master's Degree) 2019.**
- (2) Candidates' assessment methods consist of formative and summative components and are described below. These assessments represent the integrated assessment of the candidates' cognitive, psychomotor and effective aspects. The assessments include the following:

### Continuous assessments

These are on-going assessments for all the courses which comprise

- (i) Question & Answer sessions
- (ii) Quizzes

- (iii) Continuous feedback by supervisor based on candidate's progress with regards to time; skills development, independent work and direction of research
- (iv) Assignments
- (v) Report
- (vi) Practical
- (vii) Presentations

### Research Project Assessments

The research project assessment consists of two components which are:

- (i) Research report
- (ii) Viva-voce

Each course in the Master or Community Oral Health programme has its own weightage of each of these two types of assessments as shown below.

#### DQD 7001 – RESEARCH METHODOLOGY IN HEALTH SYSTEMS

- Continuous Assessment contributes 50% (assignments)
- Final examination contributes 50%
- Final result will either be PASS or FAIL with GRADES

#### DQD 7002 – RESEARCH PROJECT

- Final examination contributes 100% (research report and viva voce)
- Final result will either be PASS or FAIL with GRADES

#### DQD 7003 – FUNDAMENTALS OF DENTAL PUBLIC HEALTH AND PRIMARY HEALTH CARE

- Continuous Assessment contributes 50%(assignments)
- Final examination contributes 50%
- Final result will either be PASS or FAIL with GRADES

#### DQD 7004 – SOCIAL AND BEHAVIOURAL SCIENCE IN DENTISTRY

- Continuous Assessment contributes 50% (case study report and oral presentation)
- Final examination contributes 50%
- Final result will either be PASS or FAIL with GRADES

#### DQD 7005 – HEALTH PROMOTION

- Continuous Assessment contributes 50% (assignments, oral presentation, class test)
- Final examination contributes 50%
- Final result will either be PASS or FAIL with GRADES

#### DQD 7006 – EPIDEMIOLOGY OF ORAL CONDITIONS

- Continuous Assessment contributes 50% (assignments)
- Final examination contributes 50%
- Final result will either be PASS or FAIL with GRADES

#### DQD 7007 – PREVENTIVE DENTISTRY

- Continuous Assessment contributes 50% (assignments)
- Final examination contributes 50%
- Final result will either be PASS or FAIL with GRADES

#### DQD 7008 – JURISPRUDENCE AND PROFESSIONAL ETHICS

- Continuous Assessment contributes 50% (assignments)
- Final examination contributes 50%
- Final result will either be PASS or FAIL with GRADES

#### DQD 7009 – ADMINISTRATION IN DENTAL PUBLIC HEALTH AND UPDATES IN DENTISTRY

- Continuous Assessment contributes 100% (Test, assignments and seminar presentation)
- Final result will either be PASS or FAIL with GRADES

#### DQD 7010 – COMPARATIVE STUDY OF THE ORAL HEALTH CARE DELIVERY SYSTEMS

- Continuous Assessment contributes 100% (field visit & outbound written report and Seminar Presentation)
- Final result will either be PASS or FAIL with GRADES

#### Elective Courses from the Department Social Preventive Department

MQB 7006 – Principles of Biostatistics,

MQB 7029 – Management in Health,



MQB 7010 – Epidemiology of Diseases in Malaysia,  
 MQB 7026 – Public Health Nutrition,  
 MQB 7012 – Producing Better Evidence,  
 MQB 7014 – Health Economics,  
 MQB 7027 – Qualitative Inquiry in Public Health,  
 MQB 7016 – Women, Child and Adolescent Health,  
 MQB 7035 – Occupational Health,  
 MQB 7028 – Health Risk Assessment,  
 MQB 7033 – Social Determinants of Health,  
 MQB 7037 – Medical Surveillance and Fitness for Work.

- Continuous assessment and final examination contribute 100%
- Final result will either be PASS or FAIL with GRADES

Note: For further information of Elective Courses from Social Preventive Medicine Department, please refer to Master of Public Health (MPH) student handbook.

### (3) Grading Scheme

Marks	Grade	Grade Point	Meaning
90-100	A+	4.0	High Distinction
80-89	A	4.0	Distinction
75-79	A-	3.7	
70-74	B+	3.3	Pass
65-69	B	3.0	
60-64	B-	2.7	Fail
55-59	C+	2.3	
50-54	C	2.0	
45-49	C-	1.7	
40-44	D+	1.5	
35-39	D	1.0	
00-34	F	0.0	

### (4) Minimum Requirements of Study

To fulfil the minimum requirements of study at the University, the candidate:

- (a) must obtain a GPA and CGPA of not less than 3.00 in every semester until the completion of his/her studies.

- (b) the Faculty shall determine before the first semester in any academic session and inform the candidate early, the courses for which it is compulsory to pass with specific minimum grades.
- (c) for any courses for which it is compulsory to pass with a specific minimum grade, a candidate shall repeat any course with a grade less than the minimum grade so as to obtain the required minimum grade within the maximum period of his/her candidature. A candidate who obtains a grade less than the minimum pass grade after three attempts for a course for which it is required to obtain shall be terminated from his/her programme of study.

(5) Academic Probationary Period

Any candidate with a GPA below 3.00 in any semester shall be given Probation and placed under an Academic Probationary Period in the following normal semester. The Period shall continue until the candidate has achieved a GPA of 3.00.

When a candidate has been placed under an Academic Probationary Period in any semester, the Dean of the Faculty shall issue a warning to the candidate and inform him/her of the status of his/her progress. The warning must contain a clear statement of what is deemed as satisfactory progress and what the candidate is required to do to achieve it.

(6) Failed and Terminated

A candidate may be terminated from his/her programme of study if:

- (a) He/she does not achieve, after three attempts, at least the minimum pass grade for the course for which the Faculty has made compulsory to obtain in order to pass;
- (b) He/she has obtained a GPA of less than 3.00 but more than 2.00 for three consecutive normal semesters.
- (c) He/she has obtained a GPA of less than 2.00 in two consecutive normal semesters.

Any candidate readmitted after having failed and terminated and obtains an academic performance which is less than satisfactory and is deemed as failed and terminated under these regulations, may be terminated from his/her programme of study.

## **10. AWARD OF THE DEGREE**

A candidate may be awarded the degree of Master of Community Oral Health if he has:

- (a) achieved a final CGPA of 3.0 and above; and
- (b) complete 42 credits as prescribed for the programme; and
- (c) fulfil the language requirements prescribed for the programme; and
- (d) fulfil other requirements of the Faculty and/or University.

## **11. AWARD OF THE DEGREE WITH DISTINCTION**

A candidate may be awarded the degree of Master of Community Oral Health (with Distinction) if he has:

- (a) achieved a final CGPA of 3.7 and above; and
- (b) never failed any course;
- (c) never repeated any course for the purpose of improving his/her grade for the course throughout the duration of the programme; and
- (d) completed his/her study within the designated period.

# DOCTOR OF DENTAL PUBLIC HEALTH

MODE: BY MIX MODE

## 1. PROGRAMME CLASSIFICATION

The Doctorate's Degree programme is a three-year fulltime programme by coursework and research with a total of 86 credits; Component I: coursework (26 credits) and Component II: research (64 credits). The coursework is taught in Semester 1 and 2 in Year 1 with the Internship course is conducted in Semester 6, Year 3. The research component begins in Semester 2, Year 1 and extends into Semester 6, Year 3 of the programme.

## 2. ADMISSION REQUIREMENTS

- (1) Master of Community Oral Health, University of Malaya with a minimum CGPA of 3.0, or equivalent recognized qualifications approved by the Senate.
- (2) Master in Dental Public Health other than Master of Community Oral Health, University Malaya must have a Bachelor of Dental Surgery qualification or other equivalent qualification.
- (3) Candidate with a qualification other than Master of Community Oral Health, University of Malaya must pass any other requirements set by the faculty from time to time.

- (4) English Language Requirements:

Fulfil English Competency Requirement for Malaysian and non-Malaysian citizens who obtain qualifications from University or Higher Education Institute outside Malaysia (any ONE of the followings):

- (a) Obtained a minimum score of 600 (Paper Based Test); or score of 250 (computer based-test) or score of 100 (internet test) in the Test of English as a Foreign Language (TOEFL); OR
- (b) Obtain a band 6 for each component of the International English Language Testing System (IELTS); OR
- (c) Pearson Test of Academic English (PTE Academic) with minimum score of 42; OR

- (d) English Language subject at A-level with Grade C and above; OR
- (e) Cambridge English: First (FCE) grade C and above; OR
- (f) Cambridge English: Advance (CAE) Grade C and above; OR
- (g) Cambridge English: Proficiency (CPE) Grade C and above; OR
- (h) Malaysian University English Test (MUET) with minimal band 5

### **3. DURATION OF STUDY**

This programme shall extend over a minimum period of six (6) semesters and a maximum period of twelve (12) semesters.

### **4. STRUCTURE OF PROGRAMME OF STUDY**

- (1) This programme comprises five (5) core courses, three (3) credits for elective course, and a research project.
  - (a) Core Courses: Three (3) faculty's core courses, one (1) core course from the Department of Social and Preventive Medicine, UM and an internship training have to be completed and passed with a GPA of at least 3.0 each in Semester 1 and 2, Year 1 and Semester 6, Year 3.
  - (b) Elective Course: Candidates are required to take 3 credits elective course which are offered by the Department of Community Oral Health and Clinical Prevention or the Department of Social and Preventive Medicine, Faculty of Medicine, UM. The elective course has to be successfully completed and passed with GPA of 3.0 of the semester.
- (2) The details of each of the course are described in the student's handbook provided by the Department.

### **5. COURSE REGISTRATION**

Registration of courses shall be completed by second lecture week of a semester.

### **6. RESEARCH SUPERVISION**

- (1) The research component is regulated by the Supervision Policy for Postgraduate Candidates of the University of Malaya 2020.

- (2) The appointment of a supervisor and co-supervisor(s) shall be done at a point a candidate's field of research is approved.
- (3) Where necessary, the appointment of a consultant(s) may be done.
- (4) The supervisor and co-supervisor(s) shall be appointed at the time specified in the relevant Schedule to these Regulations for the particular programme of study. The consultant shall be appointed at the same time as the appointment of the supervisor or such other time as agreed by the Dean who shall then forward it to the Faculty.
- (5) A candidate whose progress is not satisfactory may have his/her candidature terminated by the Senate.

## **7. FIELD OF RESEARCH**

The determination of field of research shall be done prior to a candidate's embarkation on the research work.

## **8. SUBMISSION OF RESEARCH DISSERTATION**

- (1) The thesis shall be written in English.

## **9. EXAMINATION**

- (1) The assessment of the dissertation shall be done by ONE (1) internal and ONE (1) external examiner through examination of the thesis and viva voce. Marks and grades will not be given in the thesis examination.
- (2) The examiners may award the following to the candidate:
  - (a) Excellent thesis subject to the rules set out in the Regulation;
  - (b) A pass without having to make amendments / corrections;
  - (c) A minor correction to be done within a period not exceeding THREE (3) months and certified by the Supervisor;
  - (d) A major correction to be done not exceeding SIX (6) months and endorsed by the Supervisor and Internal Examiner;

- (e) Requirement to conduct further research and submit thesis for re-examination within SIX (6) to TWELVE (12) months from the date of the Senate;
  - (f) Has not achieved academic merit in the thesis examination of a Doctoral Degree and is recommended to the Senate a Master degree;
  - (g) Does not reach academic merits and recommend to the Senate that the candidate has failed in the examination of the thesis and is not allowed to submit the thesis for the re-examination.
- (3) The assessment for the examination for the coursework component shall be based on the following grading scheme stipulated in the following regulation: University of Malaya Rules and Regulations (Doctorate's Degree) 2019.

## **10. AWARD OF THE DEGREE**

For the purposes of graduation, a candidate must:

- (1) Fulfil the requirements of the coursework component:
  - (a) Achieve a final CGPA of 3.0 and above in the coursework component;
  - (b) Complete the number of credit hours as indicated in this programme. From the total number of credit hours that is required for graduation, at least two thirds of the total number of credit hours that have been obtained must be from courses conducted by the University; and
  - (c) Fulfil requirements, if any, of the Faculty with which he is registered for the programme of study.
- (2) Fulfil the requirements of the research component:
  - (a) Achieve a pass in the thesis following a viva voce and corrections if any;
  - (b) Fulfil other requirements, if any, as may be determined by the Faculty with which he is registered for his/her programme of study;
  - (c) Fulfil the language requirements as may be determined for the programme of study as stipulated in the University of Malaya (Degree of Doctor of Philosophy) Rules and Regulations 2017.

- (d) Has shown proof of **at least one accepted manuscript** in SCOPUS/ISI indexed journals.

## **11. AWARD OF PASS WITH DISTINCTION FOR THE THESIS**

A thesis may be awarded a Pass with Distinction if:

- (a) it is recommended for a Pass with Distinction in the reports of the examiners(s);
- (b) it is recommended for a Pass with Distinction by the Committee of Examiners;
- (c) it is completed and submitted by the candidate for examination during a period not exceeding eight semesters from the initial date of registration of the candidate; and
- (d) it has not been submitted for re-examination.

## **12. AWARD OF THE DEGREE WITH DISTINCTION**

A candidate may be awarded the degree of Doctor of Philosophy (with Distinction) if he has:

- (a) fulfilled the requirements for graduation mentioned; and
- (b) submitted a thesis that is recommended for a Pass with Distinction by the Committee of Examiners.



# MASTER OF DENTAL SCIENCE

## MODE: BY RESEARCH

### 1. PROGRAM OF STUDY

The Master of Dental Science programme offered is a research programme in which the research component comprises 100% of the whole programme of study.

### 2. ADMISSION REQUIREMENTS

- (1) The Minimum Qualifications for Admission:

A Bachelor's Degree with honours in Dentistry and any Science discipline.

- (2) Other Requirement:

A candidate may be required to pass an assessment for admission which has been decided by the Faculty.

- (3) English Language Requirements:

Fulfil English Competency Requirement for Malaysian and non-Malaysian citizens who obtain qualifications from University or Higher Education Institute outside Malaysia (any ONE of the followings):

- (a) Obtained a minimum score of 600 (Paper Based Test); or score of 250 (computer based-test) or score of 100 (internet test) in the Test of English as a Foreign Language (TOEFL); OR
- (b) Obtained a minimum score of band 6 or band according to program standard in the International English Language System (IELTS); OR
- (c) Pearson Test of Academic English (PTE Academic) with minimum score of 42; OR
- (d) English Language subject at A-level with Grade C and above; OR
- (e) Cambridge English: First (FCE) grade C and above; OR
- (f) Cambridge English: Advance (CAE) Grade C and above; OR

(g) Cambridge English: Proficiency (CPE) Grade C and above; OR

(h) Malaysian University English Test (MUET) with minimal band 5

### **3. DURATION OF STUDY**

This programme shall extend over a minimum period of two (2) semesters and a maximum period of eight (8) semesters.

### **4. STRUCTURE OF PROGRAMME OF STUDY**

- (1) This programme is a research programme leading to the submission of a dissertation and the format is as provided in the University of Malaya (Master's Degree) Rules and Regulations 2019.
- (2) A candidate has to attend and pass the programme compulsory course, Research Methodology (DMX7001).

### **5. INITIAL REGISTRATION**

A candidate of a Master's programme of study by Research may register initially for the said programme of study at any time latest by fourteenth lecture week in the semester applied and the full fees will be imposed for the semester in which registration is done. The candidate is required to register in the following semester if the offer is accepted after fourteenth lecture week in a semester.

### **6. RESEARCH SUPERVISION**

- (1) Research programmes are regulated by the Supervision Policy of Postgraduate Candidate, University of Malaya 2020.
- (2) The appointment of a supervisor shall be done at a point a candidate's field of research is approved.
- (3) Where necessary, the appointment of co-supervisor(s) and/or consultant(s) may be done.
- (4) The supervisor and co-supervisor shall be appointed at the time specified in the relevant Schedule to these Regulations for the particular programme of study. The consultant shall be appointed at the same time as the appointment of the supervisor or such other time to the Dean who shall then forward it to the Faculty.

- (5) The supervisor, co-supervisor and consultant appointed for a candidate of Master of Dental Science programme shall submit a periodic progress on the candidate each semester to the Dean who shall then forward it to the Faculty.
- (6) A candidate whose progress is not satisfactory may have his/her candidature terminated by the Senate.

## **7. FIELD OF RESEARCH**

- (1) The Faculty shall approve the field of research for a dissertation of a candidate as specified in the relevant Schedule to these regulations for the particular programme of study.
- (2) The title of a dissertation shall be submitted to the Faculty for approval when the candidate gives notice for submission of his/her dissertation under the regulation of these Regulations.

## **8. SUBMISSIONS**

- (1) The dissertation shall be written in English.
- (2) A candidate shall give at least three months' notice in writing to the Registrar of his/her intention to submit his/her dissertation for examination.

## **9. EXAMINATION**

A dissertation shall be examined, assessed and

- (a) awarded a Pass with Distinction, Pass, or Fail; OR
- (b) referred for corrections without re-examination; OR
- (c) referred for future work and be submitted for re-examination.

Marks, grade and credit shall not be awarded in the examination of a dissertation.

## **10. AWARD OF PASS WITH DISTINCTION FOR THE EXAMINATION**

A dissertation may be awarded a Pass with Distinction if:

- (a) it is recommended for a Pass with Distinction in the reports of the examiners(s);

- (b) it is recommended for a Pass with Distinction by the Committee of Examiners;
- (c) it is completed and submitted by the candidate for examination during a period not exceeding four semesters from the initial date of registration of the candidate; and
- (d) it has not been submitted for re-examination.

## **11. AWARD OF THE DEGREE**

For the purposes of graduation, a candidate must

- (a) attain a pass in his/her dissertation examination;
- (b) is conducted or required, pass the viva voce and other tests that are prescribed;
- (c) fulfil other requirements as prescribed by the Faculty for his/her Master of Dental Science programme; and
- (d) fulfil the language requirements for his/her Master of Dental Science programme

## **12. AWARD OF THE DEGREE WITH DISTINCTION**

A candidate may be awarded the degree of Master of Dental Science (with Distinction) if he has:

- (a) fulfil the requirements for graduation mentioned; and
- (b) submitted a dissertation that is recommended for a Pass with Distinction by the Committee of Examiners.

## GRADUATE ON TIME (GOT) SCHEDULE FOR MASTERS BY RESEARCH CANDIDATES

Semester	Activities	Output/Milestone	Comments
1.	<ul style="list-style-type: none"> <li>Attend Research Methodology Course</li> <li>Attend Bahasa Melayu course*</li> <li>Attend English language course**</li> <li>Familiarization with and use of EndNote, Turnitin, editing software, data analysis and research tools</li> <li>Attend GOT seminar</li> <li>Conduct Literature Review</li> <li>Proposal Defence</li> </ul>	<ul style="list-style-type: none"> <li>Completed Research Methodology course</li> <li>Fulfilment of language requirements</li> <li>Presented research proposal</li> </ul>	
2.	<ul style="list-style-type: none"> <li>Expand research proposal to drafts of chapter 1, 2 &amp; 3</li> <li>Conduct pilot study/ planning &amp; setting up of experiment/ start data collection</li> <li>Begin data analysis</li> <li>Attend at least 2 courses in Upskill Program</li> <li>Prepare and present Candidature Defence</li> <li>Prepare for Publication 1</li> </ul>	<ul style="list-style-type: none"> <li>Completed outline of dissertation</li> <li>Submission of Publication 1</li> <li>Completed Candidature Defence</li> </ul>	
3.	<ul style="list-style-type: none"> <li>Finalise chapters 1, 2 &amp; 3</li> <li>Finalise data analysis</li> <li>Begin chapter 4 &amp; 5</li> <li>Attend at least 1 courses in Upskill Program</li> <li>Submit 3 Months Notice</li> </ul>	<ul style="list-style-type: none"> <li>Completed chapters 1, 2 &amp; 3</li> <li>Draft of chapters 4 &amp; 5</li> </ul>	
4.	<ul style="list-style-type: none"> <li>Attend Thesis Bootcamp</li> <li>Finalize and submit dissertation</li> <li>Committee of Examiners meeting</li> </ul>	<ul style="list-style-type: none"> <li>Submission of dissertation</li> <li>Outcome of Committee of Examiners meeting.</li> </ul>	

### Notes:

#### Monitoring Panel

- Chairman & 1 member who is an expert in the field and a supervisor. A fourth member is allowed to be appointed if necessary.
- The same panel should follow through the proposal presentation and Candidature Defence
- It is strongly recommended that one member is appointed as internal examiner.
- The main responsibilities of the panel should include the following:-
  - Advise the student to improve the research proposal.
  - Monitor the progress of the student
  - Improve the thesis plan.

\*Applicable to all international candidates.

\*\*Applicable to international candidates who are writing their dissertation in languages other than English.

# DOCTOR OF PHILOSOPHY

## MODE : BY RESEARCH

### 1. PROGRAM CLASSIFICATION

The Doctor of Philosophy programme offered is a research programme in which the research component comprises 100% of the whole programme of study.

### 2. ADMISSION REQUIREMENTS

(1) The minimum qualifications for admission:

- (a) A Master's Degree with Honours/Distinction in Dentistry, Medicine or any Science discipline; OR
- (b) A Bachelor's Degree with Honours in Dentistry and any science discipline; AND
- (c) Evidence of adequate training and ability to undertake the degree programme of study.

Admission by a person who possesses a Bachelor's degree with distinction (CGPA 3.7 and above or equivalent), subject to monitoring of the candidate's progress and a presentation of candidate's research progress in one semester at a seminar within two semesters from the date of initial registration.

(2) English Language Requirements:

Fulfils English Competency Requirement for Malaysian and non-Malaysian citizens who obtain qualifications from University or Higher Education Institute outside Malaysia (any ONE of the followings):

- (a) Obtained a minimum score of 600 (Paper Based Test); or score of 250 (computer based-test) or score of 100 (internet test) in the Test of English as a Foreign Language (TOEFL); OR
- (b) Obtained a minimum score of band 6 or band according to program standard in the International English Language System (IELTS); OR

- (c) Pearson Test of Academic English (PTE Academic) with minimum score of 42; OR
- (d) English Language subject at A-level with Grade C and above; OR
- (e) Cambridge English: First (FCE) grade C and above; OR
- (f) Cambridge English: Advance (CAE) Grade C and above; OR
- (g) Cambridge English: Proficiency (CPE) Grade C and above; OR
- (h) Malaysian University English Test (MUET) with minimal band 5

### **3. DURATION OF STUDY**

This programme of study shall extend over a minimum period of four (4) semesters and a maximum period of twelve (12) semesters.

### **4. STRUCTURE OF PROGRAMME OF STUDY**

- (1) This programme is a research programme leading to the submission of a dissertation and the format is as provided in the University of Malaya (Master's Degree) Rules and Regulations 2019.
- (2) A candidate has to attend and pass the programme compulsory course, Research Methodology (DVX8001).

### **5. INITIAL REGISTRATION**

A candidate of a Master's programme of study by Research may register initially for the said programme of study at any time latest by fourteenth lecture week in the semester applied and the full fees will be imposed for the semester in which registration is done. The candidate is required to register in the following semester if the offer is accepted after fourteenth lecture week in a semester.

### **6. RESEARCH SUPERVISION**

- (1) Research programmes are regulated by the Supervision Policy of Postgraduate Candidate, University of Malaya 2020.
- (2) The appointment of a supervisor shall be done at a point a candidate's field of research is approved.

- (3) Where necessary, the appointment of co-supervisor(s) and/or consultant(s) may be done.
- (4) The supervisor and co-supervisor shall be appointed at the time specified in the relevant Schedule to these Regulations for the particular programme of study. The consultant shall be appointed at the same time as the appointment of the supervisor or such other time to the Dean who shall then forward it to the Faculty.
- (5) The supervisor, co-supervisor and consultant appointed for a candidate of Doctor of Philosophy programme shall submit a periodic progress on the candidate each semester to the Dean who shall then forward it to the Faculty.
- (6) A candidate whose progress is not satisfactory may have his/her candidature terminated by the Senate.

## **7. FIELD OF RESEARCH**

- (1) The Faculty shall approve the field of research for a thesis of a candidate as specified in the relevant Schedule to these regulations for the particular programme of study.
- (2) The title of a thesis shall be submitted to the Faculty for approval when the candidate gives notice for submission of his/her thesis under the regulation of these Regulations.

## **8. SUBMISSIONS**

- (1) The thesis shall be written in English.
- (2) A candidate shall give at least three months' notice in writing to the Registrar of his/her intention to submit his/her thesis for examination.

## **9. EXAMINATION**

A thesis shall be examined, assessed and

- (a) awarded a Pass with Distinction, Pass, or Fail; OR
- (b) referred for corrections without re-examination; OR
- (c) referred for future work and be submitted for re-examination.



Marks, grade and credit shall not be awarded in the examination of a thesis.

#### **10. AWARD OF PASS WITH DISTINCTION FOR THE EXAMINATION**

A thesis may be awarded a Pass with Distinction if:

- (a) it is recommended for a Pass with Distinction in the reports of the examiners(s);
- (b) it is recommended for a Pass with Distinction by the Committee of Examiners;
- (c) it is completed and submitted by the candidate for examination during a period not exceeding six semesters from the initial date of registration of the candidate; and
- (d) it has not been submitted for re-examination.

#### **11. AWARD OF THE DEGREE**

For the purposes of graduation, a candidate must

- (a) attain a pass in his/her thesis examination;
- (b) pass the viva voce;
- (c) fulfil other requirements as prescribed by the Faculty for his/her Doctor of Philosophy programme; and
- (d) fulfil the language requirements for his/her Doctor of Philosophy programme

#### **12. AWARD OF THE DEGREE WITH DISTINCTION**

A candidate may be awarded the degree of Doctor of Philosophy (with Distinction) if he has:

- (a) fulfil the requirements for graduation mentioned; and
- (b) submitted a thesis that is recommended for a Pass with Distinction by the Committee of Examiners.

**GRADUATE ON TIME SCHEDULE**  
**MAJOR ADMINISTRATIVE AND REGULATORY MILESTONES FOR PHD CANDIDATES**  
**(CONVENTIONAL PHD)**  
**(SCIENCES)**

Semester	Activities	Output/Milestone	Comments
1.	<ul style="list-style-type: none"> <li>Attend Research Methodology Course</li> <li>Attend Bahasa Melayu course*</li> <li>Attend English language course**</li> <li>Familiarization with and use of EndNote, Turnitin, editing software, data analysis and research tools</li> <li>Conduct Literature Review</li> <li>Proposal Defence</li> </ul>	<ul style="list-style-type: none"> <li>Completed Research Methodology course</li> <li>Fulfilment of language requirements</li> <li>Presented research proposal</li> </ul>	
2.	<ul style="list-style-type: none"> <li>Complete Literature Review</li> <li>Conduct pilot study/ planning &amp; setting up of experiment/ start data collection</li> <li>Attend at least 3 courses in Upskill Program (including GOT seminar)</li> <li>Prepare for Candidature Defence</li> </ul>	<ul style="list-style-type: none"> <li>Literature Review</li> <li>Thesis Plan/Outline of Thesis</li> <li>Submission of Publication 1 (review paper / experimental design)</li> </ul>	<ul style="list-style-type: none"> <li>Candidates are strongly advised to use reference management software Eg: Mendeley, Bibtex, EndNote</li> </ul>
3.	<ul style="list-style-type: none"> <li>Investigation and development of the proposed solutions.</li> <li>Data analysis</li> <li>Candidature Defence report writing</li> <li>Attend at least 2 courses in Upskill Program</li> <li>Candidature Defence</li> </ul>	<ul style="list-style-type: none"> <li>Completed Candidature Defence</li> </ul>	<ul style="list-style-type: none"> <li>Candidature Defence report should include data collection, findings, thesis outline</li> </ul>
4.	<ul style="list-style-type: none"> <li>Experimentation and/or data analysis</li> <li>Thesis write-up (Chapter 1, 2 &amp; 3)</li> <li>Preparation of manuscripts for submission of publication</li> <li>Attend at least 2 courses in Upskill Program</li> </ul>	<ul style="list-style-type: none"> <li>Submission of Publication 2</li> <li>Completed drafts of three chapters</li> </ul>	
5.	<ul style="list-style-type: none"> <li>Thesis write-up (complete remaining chapters)</li> <li>Presentation of Thesis Seminar</li> <li>Submit 3 Months Notice for thesis submission</li> <li>Attend Thesis Bootcamp</li> </ul>	<ul style="list-style-type: none"> <li>Completed thesis draft</li> <li>Presented Thesis Seminar</li> </ul>	
6.	<ul style="list-style-type: none"> <li>Finalize and submit thesis</li> <li>Prepare for viva voce</li> </ul>	<ul style="list-style-type: none"> <li>Submission of thesis</li> <li>Viva voce</li> </ul>	

**Notes:**

**Monitoring Panel**

- Chairman & 1 member who is an expert in the field and a supervisor. A fourth member is allowed to be appointed if necessary.
- The same panel should follow through the proposal presentation (seminar 1, Candidature Defence and thesis seminar (seminar 2)).
- It is strongly recommended that one member is appointed as internal examiner.
- The main responsibilities of the panel should include the following:-
  - Advise the student to improve the research proposal.
  - Monitor the progress of the student
  - Improve the thesis plan.

\*Applicable to all international candidates.

\*\*Applicable to international candidates who are writing their theses in languages other than English.

## **RULES AND REGULATIONS**

**(DOCTORAL DEGREE) RULES 2019**

**(DOCTORAL DEGREE) REGULATIONS 2019**

**(MASTER'S DEGREE) RULES 2019**

**(MASTER'S DEGREE) REGULATIONS 2019**