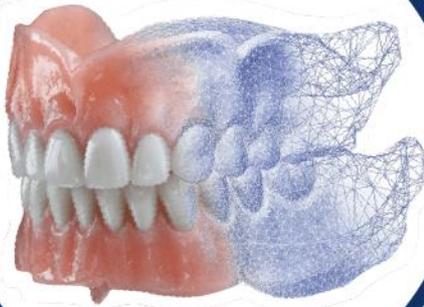




**UNIVERSITI
MALAYA**

Faculty of Dentistry



POSTGRADUATE HANDBOOK

ACADEMIC SESSION 2022/2023



| MDSc | MSc | DrDPH | PhD | MClindent OS | DrSCDent |
| DrOMPPathMed | DrOrth | DrPerio | DrPaedDent |



TABLE OF CONTENT

FOREWORD FROM DEPUTY VICE-CHANCELLOR (ACADEMIC)	3
FOREWORD FROM DEAN	5
FOREWORD FROM DEPUTY DEAN (POSTGRADUATE)	7
MISSION AND VISION	8
ORGANIZATIONAL CHART	9
MANAGEMENT	10
POSTGRADUATE MANAGEMENT OFFICE	12
ACADEMIC CALENDAR	13
LIST OF DEPARTMENTS	16
DEPARTMENT OF RESTORATIVE DENTISTRY	17
DEPARTMENT OF COMMUNITY ORAL HEALTH &	21
CLINICAL PREVENTION	21
DEPARTMENT OF PAEDIATRIC DENTISTRY & ORTHODONTICS	22
DEPARTMENT OF ORAL & CRANIOFACIAL SCIENCES	25
DEPARTMENT OF ORAL AND MAXILLOFACIAL	27
CLINICAL SCIENCES	27
PROGRAMMES OFFERED	30
MASTER OF ORAL SCIENCE	31
MASTER OF CLINICAL DENTISTRY	47
(ORAL AND MAXILLOFACIAL SURGERY)	47
DOCTOR IN PAEDIATRIC DENTISTRY	59
DOCTOR IN SPECIAL CARE DENTISTRY	71
DOCTOR IN	83
ORAL MAXILLOFACIAL PATHOLOGY AND ORAL MEDICINE	83
DOCTOR IN ORTHODONTICS	95
DOCTOR IN PERIODONTOLOGY	109
DOCTOR OF DENTAL PUBLIC HEALTH	122
MASTER OF DENTAL SCIENCE	131
DOCTOR OF PHILOSOPHY	137
RULES AND REGULATIONS	143

FOREWORD FROM DEPUTY VICE-CHANCELLOR (ACADEMIC)



Assalamualaikum Warahmatullahi Wabarakatuh.

Alhamdulillah, we are grateful to Allah S.W.T because, with His abundant grace and permission, thank you for giving me the opportunity to write a few words in the Postgraduate Handbook, Faculty of Dentistry. Congratulations and well done for completing this handbook successfully. Without dedication and commitment, this handbook cannot be completed as planned. Therefore, I would like to express my heartfelt appreciation and gratitude to all of those who contributed to its success.

The preparation of this handbook is seen as one of the symbols of UM's determination to deliver complete information regarding the learning experience at UM. As an institution that aspires to have a significant impact on the educational landscape on a national scale, it is hoped that all postgraduate students will be able to pursue their studies at the Faculty of Dentistry with success in order to achieve mastery of their respective specialised knowledge, which will increase academic excellence and contribute to the growth of both the individual and the nation.

In achieving this goal, hard work, sacrifice and high maturity are the main determining factors of success that every postgraduate student must have. In addition, I would like to draw your attention to the fact that the Universiti Malaya, which is an institution that conducts research of a world-class standard and has a solid foundation in education and training, is actively working to equip its students with challenging ideas, knowledge, and wisdom, as well as the values of global thinking and entrepreneurship. UM is committed to assisting all students, irrespective of their area of study, in realising their full potential, maximising their employability, and becoming agents of change. UM has defined the main characteristics of potential greatness, which are as follows, in order to accomplish this objective:

- To nurture future talent as agents of innovation and change
- To develop a flexible, personalized and interdisciplinary curriculum
- To intensify internationalization and global education



In this regard, let's all carry out the duties and trusts that we are responsible for with full sincerity, whether as educators or students and hopefully, this effort will be blessed by Allah S.W.T and become a righteous charity that we will achieve in the future. God willing.

In this regard, let's all carry out the duties and trusts that we are responsible for with full sincerity, whether as educators or students and hopefully, this effort will be blessed by Allah SWT and become a righteous charity that we will achieve in the future.

Thank you.

Wassalam.

Professor Dr Yatimah Alias
Deputy Vice Chancellor (Academic & International)
Universiti Malaya

FOREWORD FROM DEAN



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 academicians.

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 a Master of Dental Science in 1996. Master in Clinical Dentistry, Master of Orthodontics and Master of Dental Surgery were introduced in 2000. The new 1+3 programme, 1 year Master of Oral Science which leads to 3 years Clinical Doctorate programme in various specialities was started in 2020. These postgraduate courses cover a range of disciplines and are conducted through coursework, mixed mode, clinical 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 specialists 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 centres 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 four-year training programme for the MClin Dent (Child Dental Health) was recognised as being equivalent to 3-years' recognised training in the UK, thus allowing those who have completed the training to sit for the Tri-Collegiate Membership in Paediatric Dentistry. The Master of Orthodontics has been recognized by the Hospital Recognition Committee, The Royal College of England and The Royal College of Surgeons and Physicians 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 such as China, India, Pakistan, Indonesia, Philippines, Thailand, Libya, Iraq, Iran, Brunei, Palestine, Kenya, England, Africa, Yemen, Oman, Bangladesh and Brazil.

Research is an integral part of postgraduate courses and there are currently 7 major research groups, all of them are headed by experienced research leaders. Their research focuses 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 and the Heads are as follows:

RESEARCH GROUP	HEAD
Biomaterials Technology Research Group (BTRG)	Associate Professor Dr. Noor Azlin Yahya
Oral Cancer Research & Coordinating Centre (OCRCC)	Professor Dr. Jennifer Geraldine Doss
Oral & Craniofacial Biology Research Group (OCBRG)	Professor Dr. Ian Charles Paterson
Clinical Craniofacial Dentistry Research Group (CCDRG)	Associate Professor Dr. Wey Mang Chek
Community Oral Health Research Group (COHRG)	Professor Dr. Zamros Yuzadi Mohd Yusof
Regenerative Dentistry Research Group (ReDReG)	Associate Professor Dr. Lim Ghee Seong
Dental Education Research Group (DERG)	Dr. Siti Fauzza Binti Ahmad
Oro-Craniofacial Research & Surgical Group (OCReS)	Associate Prof. Dr. Firdaus Bin Hariri

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

Professor Dr Zamri Radzi
Dean, Faculty of Dentistry

FOREWORD FROM DEPUTY DEAN (POSTGRADUATE)



We from the Faculty of Dentistry Postgraduate Office would like to wish a very warm welcome and to heartily congratulate all of you for successfully securing admission to this prestigious institution. It has been challenging for the past 2 years since the pandemic struck. We are so glad that finally in this 2022/2023 semester, we are able to resume our learning and teaching activities as it were pre-pandemic.

Every one of you have earned your places here, and you should be proud of yourselves. Please do adhere to the Universiti Malaya's rules and regulations, and never indulge in any unlawful activities. I personally encourage you to be independent learners, take active part in extracurricular activities both on and off the campus, and do your very best to excel in every way. We will do our best to create and provide the ultimate learning and research environments for all of you.

We hope that you will strive and work hard to achieve your dreams and goals. It will not be easy, but it will surely be worth it.

Thank you.

Siti Adibah Othman



MISSION AND VISION

UNIVERSITI MALAYA

Vision

A global university impacting the world.

Mission

Pushing the boundaries of knowledge and nurturing aspiring leaders.

Core Values

Passion
Oneness
Integrity
Sincerity
Empathy

Tagline

Serving the nation. Impacting the world.

FACULTY OF DENTISTRY

Vision

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.

Mission

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

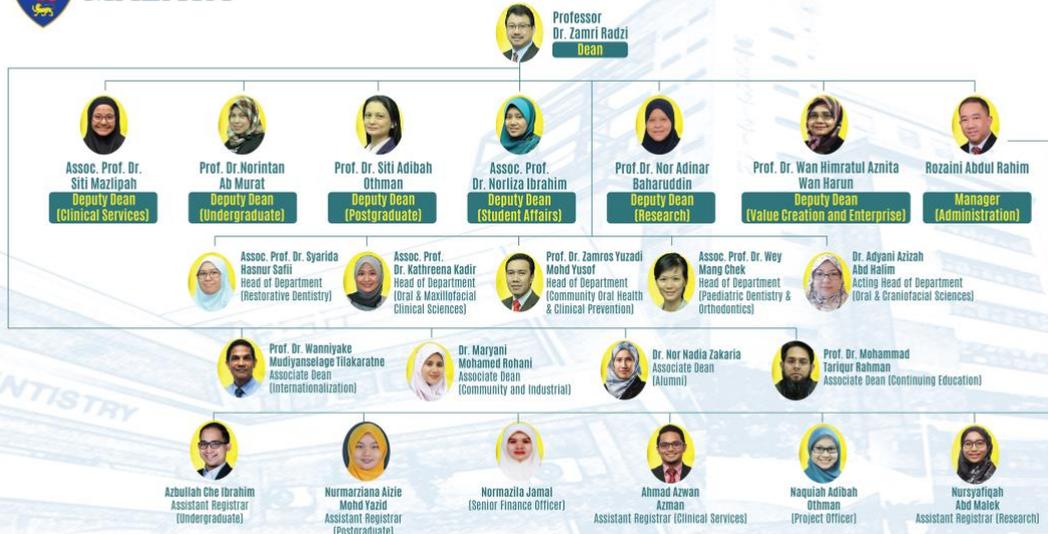
ORGANIZATIONAL CHART

2022-2024



UNIVERSITI
MALAYA

Faculty of Dentistry



MANAGEMENT

Dean	Professor Dr. Zamri Radzi DDS (Indonesia), MDentSci in Orthodontics (Leeds), FFDRCSI (Ireland), MOrthRCS (England), MOrthRCS (Edinburgh), PhD (Oxford)
Deputy Deans:	
Postgraduate	Professor Dr. Siti Adibah Othman BDS (Malaya), DDS in Orthodontics (Bristol), MOrth RCSEd, MOrthRCS (England) <i>Ad Eundem</i>
Undergraduate	Professor Dr. Norintan Ab Murat BDS (Malaya), MSc (London), DDPHRCS (England), PhD (London)
Research	Professor Dr. Nor Adinar Baharuddin BDS (Adelaide), MDS (Malaya), DClinDent in Periodontology (Otago)
Clinical and Services	Associate Professor Dr. Siti Mazlipah Ismail BDS (Malaya), FDSRCS (England)
Student Affair	Associate Professor Dr. Norliza Ibrahim DDS (Indonesia), MSc (Manchester), PhD (Amsterdam)
Value Creation and Enterprise	Professor Dr. Wan Himratul Aznita Wan Harun BSc (Hons) (Malaya), MSc (Distinction) (Malaya), PhD (Malaya)
Manager (Administration)	Mr. Rozaini Bin Abdul Rahim BPM (Hons)(UUM)
Assistant Registrars:	Ms. Nurmarziana Aizie Binti Mohd Yazid B.L.I.S (UiTM)
	Mr. Azbullah Bin Che Ibrahim B.Comp.Sc. (Hons) (Malaya)
	Miss Nursyafiqah Binti Abd Malek B.S.Chem (Malaya)
	Mr. Ahmad Azwan Bin Azman B. Med Sci (Hons)(MSU)
	Ms. Naquiah Adibah Binti Othman BSc (Hons) Biology (UiTM)

Finance Officer

Miss Normazila Binti Jamal
BEc (UPM)



Correspondence Address:

Dean Office
Faculty of Dentistry
Universiti Malaya
50603 Kuala Lumpur
Malaysia

Tel. No.: 6(03) – 7967 4800
Fax No.: 6(03) – 7967 4809 /
7956 1607

Email : dekan_dental@um.edu.my

Deputy Dean (Postgraduate)
Postgraduate Management Office, Level 10,
Dental Specialist & Research Tower
Universiti Malaya, 50603 Kuala Lumpur
Malaysia

Tel. No.: 6(03) – 7967 7462 / 7463 /
6472 / 6473

Email : tdpasca_dental@um.edu.my

POSTGRADUATE MANAGEMENT OFFICE



DEAN
PROF. DR. ZAMRI RADZI



**DEPUTY DEAN
(POSTGRADUATE)**
PROF. DR. SITI ADIBAH OTHMAN



ASSISTANT REGISTRAR
MS. NURMARZIANA AIZIE
MOHD YAZID



SECRETARY
MS. NOOR AMALIENA AZMI



ADMINISTRATIVE ASSISTANT
MS. SUSANTY MARIDAH



ADMINISTRATIVE ASSISTANT
MS. ZURAI DAH MD ZIN



ADMINISTRATIVE ASSISTANT
MS. NORZEE ALI



OPERATION ASSISTANT
MR. JAMALULHAFIZ SAMSURI

ACADEMIC CALENDAR

KALENDAR PENGAJIAN SESI AKADEMIK 2022/2023 (SECARA AM - PERINGKAT IJAZAH SARJANA DAN IJAZAH KEDOKTORAN)			
SEMESTER I			
Kuliah	7 minggu*	17.10.2022	- 04.12.2022
Cuti Pertengahan Semester I	1 minggu	05.12.2022	- 11.12.2022
Kuliah	7 minggu*	12.12.2022	- 29.01.2023
Minggu Ulangkaji	1 minggu*	30.01.2023	- 05.02.2023
Peperiksaan Akhir Semester I	2 minggu*	06.02.2023	- 19.02.2023
Cuti Semester	3 minggu*	20.02.2023	- 12.03.2023
	<u>22 minggu</u>		
SEMESTER II			
Kuliah	6 minggu*	13.03.2023	- 23.04.2023
Cuti Pertengahan Semester II	1 minggu*	24.04.2023	- 30.04.2023
Kuliah	8 minggu*	01.05.2023	- 25.06.2023
Minggu Ulangkaji	1 minggu*	26.06.2023	- 02.07.2023
Peperiksaan Akhir Semester II	2 minggu	03.07.2023	- 16.07.2023
Cuti Semester	1 minggu*	17.07.2023	- 23.07.2023
	<u>19 minggu</u>		
CUTI SEMESTER			
Cuti	9 minggu*	17.07.2023	- 17.09.2023
SEMESTER KHAS			
Kuliah	7 minggu*	24.07.2023	- 10.09.2023
Peperiksaan Akhir Semester Khas	1 minggu	11.09.2023	- 17.09.2023
	<u>8 minggu</u>		

Nota:

(1) *Jadual Pendaftaran Kursus dan Peperiksaan, boleh dirujuk di <https://umsitsguide.um.edu.my/>. Maklumat adalah tertakluk kepada pindaan.*

(*) Kalendar Akademik telah mengambil kira cuti umum dan cuti perayaan. Maklumat cuti adalah tertakluk kepada perubahan.

Maulidur Rasul (9 Oktober 2022)
Deepavali (24 Oktober 2022)
Hari Krismas (25 Disember 2022)
Cuti Tahun Baharu (1 Januari 2023)
Tahun Baharu Cina (22 & 23 Januari 2023)
Hari Wilayah (1 Februari 2023)
Hari Thaipusam (4 Februari 2023)
Nuzul Al-Quran (8 April 2023)

Hari Raya Aidilfitri (22 & 23 April 2023)
Hari Pekerja (1 Mei 2023)
Hari Wesak (4 Mei 2023)
Hari Keputeraan Agong (5 Jun 2023)
Hari Raya Aidiladha (29 Jun 2023)
Awal Muharam (19 Julai 2023)
Hari Kebangsaan (31 Ogos 2023)
Hari Malaysia (16 September 2023)

Dikemaskini pada: 16.6.2022

POSTGRADUATE ACADEMIC CALENDAR: ACADEMIC SESSION 2022/2023
FACULTY OF DENTISTRY, UNIVERSITI MALAYA
MASTER OF ORAL SCIENCE &
YEAR 1 MASTER OF CLINICAL DENTISTRY
(ORAL & MAXILLOFACIAL SURGERY)

Refer to <https://umsitsguide.um.edu.my> for Course Registration

SEMESTER I		
Week of Welcome	1 week	10.10.2022 – 16.10.2022
Classes	9 weeks	17.10.2022 - 18.12.2022
Mid-Semester I Break	2 weeks	19.12.2022 – 01.01.2023
Classes	4 weeks	02.01.2023 – 29.01.2023
Revision week	1 week	30.01.2023 – 05.02.2023
Examinations	2 weeks	06.02.2023 – 19.02.2023
Semester I Break/ *Re-examinations	3 weeks	20.02.2023 – 12.03.2023
	22 weeks	
SEMESTER II		
Classes	6 weeks	13.03.2023 – 23.04.2023
Mid-Semester II Break	1 week	24.04.2023 – 30.04.2023
Classes	18 weeks	01.05.2023 – 03.09.2023
*Examination / Classes	2 weeks	04.09.2023 – 17.09.2023
Semester II Break	3 weeks	18.09.2023 – 08.10.2023
	30 weeks	

**If applicable*

Maulidur Rasul (9 October 2022)
 Deepavali (24 October 2022)
 Hari Krismas (25 Disember 2022)
 Tahun Baharu (1 Januari 2023)
 Tahun Baru Cina (22 & 23 January 2023)
 Hari Wilayah Persekutuan (1 February 2023)
 Hari Thaipusam (4 February 2023)
 Nuzul Al- Quran (8 April 2023)

Hari Raya Aidilfitri (22 & 23 April 2023)
 Hari Pekerja (1 Mei 2023)
 Hari Wesak (4 Mei 2023)
 Hari Keputeraan Agong (5 Jun 2023)
 Hari Raya Aidiladha (29 June 2023)
 Awal Muharram (19 Julai 2023)
 Hari Kebangsaan (31 Ogos 2023)
 Hari Malaysia (16 September 2023)

POSTGRADUATE ACADEMIC CALENDAR: ACADEMIC SESSION 2022/2023
FACULTY OF DENTISTRY, UNIVERSITI MALAYA
YEAR 1 & 2 CLINICAL DOCTORATE,
YEAR 2, 3 & 4 MASTER OF CLINICAL DENTISTRY &
YEAR 4 MASTER OF ORTHODONTICS

Refer to <https://umsitsguide.um.edu.my> for Course Registration

SEMESTER I		
Week of Welcome / Classes	1 week	10.10.2022 – 16.10.2022
Classes	9 weeks	17.10.2022 - 18.12.2022
Mid-Semester I Break	2 weeks	19.12.2022 – 01.01.2023
Classes	8 weeks	02.01.2023 – 26.02.2023
Semester I Break	2 weeks	27.02.2023 – 12.03.2023
	22 weeks	
SEMESTER II		
Classes	6 weeks	13.03.2023– 23.04.2023
Mid-Semester II Break	1 week	24.04.2023 – 30.04.2023
Classes	18 weeks	01.05.2023 – 03.09.2023
*Examination / Classes	2 weeks	04.09.2023 – 17.09.2023
Semester II Break / Completion of work	3 weeks	18.09.2023 – 08.10.2023
	30 weeks	

**If applicable*

Maulidur Rasul (9 October 2022)
 Deepavali (24 October 2022)
 Hari Krismas (25 Disember 2022)
 Tahun Baharu (1 Januari 2023)
 Tahun Baru Cina (22 & 23 January 2023)
 Hari Wilayah Persekutuan (1 February 2023)
 Hari Thaipusam (4 February 2023)
 Nuzul Al- Quran (8 April 2023)

Hari Raya Aidilfitri (22 & 23 April 2023)
 Hari Pekerja (1 Mei 2023)
 Hari Wesak (4 Mei 2023)
 Hari Keputeraan Agong (5 Jun 2023)
 Hari Raya Aidiladha (29 June 2023)
 Awal Muharram (19 Julai 2023)
 Hari Kebangsaan (31 Ogos 2023)
 Hari Malaysia (16 September 2023)



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

Head	Associate Professor Dr. Syarida Hasnur Safii DDS (UKM), MClintDent (London), MRDRCS (Edinburgh), PhD (Otago)
Professor	Professor Dr. Rathna Devi A. Vaithilingam BDS (Malaya), MClintDent (Periodontology) (Malaya) Professor Dr. Nor Adinar Baharuddin BDS (Adelaide), MDS (Malaya), DClintDent in Periodontology (Otago) Professor Dr. Chai Wen Lin BDS (Malaya), MDS (Malaya), FDSRCS (England), FDSRCS (Edinburgh), PhD (Sheffield)
Associate Professors	Associate Professor Dr. Mariam Abdullah BDS (Otago), MClintDent in Endodontology (London) Associate Professor Dr. Zeti Adura Che Ab. Aziz BDS (Otago), MClintDent (Otago) Associate Professor Dr. Eshamsul Sulaiman BDS (Belfast), MFDRC (Ireland), MClintDent (Prosthodontics with Distinction) (London) Associate Professor Dr. Jacob John a/l Chiremel Chandu BDS (Tamil Nadu), MDS (Prosthodontic) (Kuvempu) Associate Professor Dr. Prema Sukumaran BDS (Malaya), MClintDent in Prosthodontics (Distinction) (London), MProRCS (Edinburgh), FDS RCS (Edinburgh) Associate Professor Dr. Norasmatul Akma Ahmad BDS (Malaya), MClintDent in Prosthodontics (Distinction) (London), MRDRCS (Edinburgh) Associate Professor Dr. Azwatee Abdul Aziz BDS (Adelaide), MClintDent in Prosthodontics (London), PhD (Malaya), MDTFEd RCSEd Associate Professor Dr. Nosizana Mohd. Salleh DDS (Tokyo), PhD (Tokyo)



Associate Professor Dr. Noor Azlin Yahya
BDS (Otago), MDenSci (Leeds), DipTrans (DBP)

Associate Professor Dr. Ros Anita Omar
BDS (Malaya), MDS (Malaya), PhD (London)

Associate Professor Dr. Lim Ghee Seong
BDS (Malaya), MCLinDent in Restorative Dentistry (Distinction) (Newcastle), ITF (Prosthodontics) RCS (England)

**Senior
Lecturers**

Dr. Cheah Chia Wei
BDS (Malaya), MCLinDent (Periodontology) (Malaya), PhD (Malaya)

Dr. Muralithran Govindan Kutty
BSc (Hons) (UKM), MSc in Materials Science (Warwick),
PhD in Materials Science & Engineering (Idaho)

Dr. Noor Hayati Azami
BDS (Malaya),
MCLinDent (Restorative Dentistry in Conservative Dentistry) (Malaya)

Dr. Nora Sakina Mohd Noor
BDS (Malaya),
MCLinDent (Restorative Dentistry in Conservative Dentistry) (Malaya)

Dr. Zubaidah Zanul Abidin
DDS (UKM),
MCLinDent (Restorative Dentistry in Prosthetic Dentistry) (Malaya)

Dr. Selva Malar a/p Munusamy
BDS (Malaya), MFDS RCSEd, MSc (Clinical Dentistry) (Fixed &
Removable Prosthodontics) (Manchester)

Lecturers

Dr. Yeoh Oon Take
BDS (Malaya), DCD Prosthodontics (Melbourne),
MRACDS (Prosthodontics) (Australia)

Dr. Mohd Azmi Abdul Razak
BDS (Malaya), MCLinDent (Prosthodontics) (London), MProst RCSEd

Dr. Mohd Zamri Hussin
BDS (Newcastle upon Tyne), MFDS RCS (Edinburgh),
MSc Clin Dent Perio (Distinction) (Manchester)

Dr. Norul Husna Mohamad Hassan
DDS (Tokyo), MCLinDent in Periodontology (London),
EFP CCST in Periodontics & Implant Dentistry



Dr. Noorhayati Raja Mohd

DDS (UKM),
MCLinDent (Restorative Dentistry in Prosthetic Dentistry) (Malaya)

Dr. Nor Shafina Mohamad Nazari

BDS (Otago), MSc Clin Dent (Perio) (Distinction) (Manchester),
MPerio RCSEd

Dr. Mohideen Salihu Farook

BDS (Rajiv Gandhi), MSc (Prosthodontics) (Dundee),
MFD RCS (Ireland), M Prostho RCS (England)

Dr. Hany Mohamed Aly Ahmed

BDS (Egypt), HDD (Endodontics) (Egypt),
PhD (Universiti Sains Malaysia), MDTFEd RCSEd, FPFA (USA),
FADI (USA)

Dr. Muaiyed Mahmoud Ali Buzayan

BDS (Tripoli University),
MCLinDent (Restorative Dentistry in Prosthetic Dentistry) (Malaya)

Dr. Enas Abdalla M. Etajuri

BDS (Tripoli), MSc (Malaya),
MCLinDent (Restorative Dentistry in Prosthetic Dentistry) (Malaya)

Dr. Aeman Elkezza

BDS (Alarab Medical Univ, Libya), MSc (Prosthodontic) (Dundee)

Dr. PL Ranganayakidevi a/p Palianappan

BDS (India), MFDS RCSEd,
MCLinDent (Restorative Dentistry in Prosthetic Dentistry) (Malaya)

Dr. Arief Cahyanto

BDS (Indonesia), DDS (Indonesia), M.Eng. (Indonesia), PhD (Japan)

Dr. Myrna Nurlatifah Zakaria

BDS (Indonesia), DDS (Indonesia),
MCLinDent in Endodontic (Indonesia), PhD (Japan)

**Honorary
Professor**

Professor Dr. Norsiah Yunus

BDS (Glasgow), MSc in Prosthetic Dentistry (Bristol)

**Trainee
Lecturers**

Dr. Nur Diyana binti Mohamed Radzi
BDS (Malaya) MFDS RCSEd

Dr. Sofya binti Zulkifli
BDS (Malaya)

Dr. Mohd Amirul Fahmi bin Che Mohd Fadzilah
BDS (Malaya), MFDS RCSEd

Dr. Anas Hakimee bin Ahmad Ubaidillah
BDS (Malaya)

**Supporting
Administrative
Staff**

Ms. Sauda binti Ibrahim
Ms. Roslina binti Yahya
Ms. Etrie Yanthie binti Syahril
Ms. NurulHuda binti Abdullah
Ms. Nuroulizzati binti Senan
Ms. Nor Mariana binti Abu Samah
Ms. Zarina binti Rashid



Department's Contact Details

Telephone : 03-7967 4814
Fax : 03-7967 7480
Email : ketua_restoratif@um.edu.my

Discipline Conservative Dentistry

Telephone : 03-7967 4806
Fax : 03-7967 4533
Email : ketua_restoratif@um.edu.my

Discipline Periodontology

Telephone : 03-7967 4806
Fax : 03-7967 4533
Email : ketua_restoratif@um.edu.my

Discipline Prosthetic Dentistry

Telephone : 03-7967 4881
Fax : 03-7967 4533
Email : ketua_restoratif@um.edu.my

DEPARTMENT OF COMMUNITY ORAL HEALTH & CLINICAL PREVENTION

Head	Professor Dr. Zamros Yuzadi Mohd. Yusof BDS (QUB), MSc (London), DDPHRSC (England), PhD (Distinction) (Malaya)
Professors	Professor Dr. Roslan Saub BDS (Malaya), MSc (Melbourne), PhD (Toronto) Professor Dr. Jennifer Geraldine Doss BDS (Malaya), MCD (Distinction) (Malaya), PhD (Otago) Professor Dr. Norintan Ab. Murat BDS (Malaya), MSc (London), DDPHRCS (England), PhD (London)
Associate Professor	Associate Professor Dr. Nor Azlida Mohd Nor BDS (Malaya), MSc (London), DDPHRCS (England), PhD (Cardiff)
Senior Lecturer	Dr. Marhazlinda Jamaluddin BDS (Malaya), M.Comm.Med Oral Health (USM)
Trainee Lecturers	Dr. Noor Syahidah Hisamuddin DDS (UKM), MCOH (Distinction) (Malaya) Dr. Elaine Choong Kar Man BDS (Dist) (MAHE), MSc (Distinction) (London) Dr. Aina Najwa Mohd. Khairuddin BDS (Malaya), MScDPH (London) Dr. Abdul Azim Abdul Razak BDS (Malaya) Dr. Nazrin Hakim Nazaruddin BDS (Malaya)
Supporting Administrative Staff	Ms. Intan Liana Mohamad Lias

Department's Contact Details

Telephone : (+60) 3 7967 4805
Fax : (+60) 3 7967 4532
Email : ketuajpm@um.edu.my



DEPARTMENT OF PAEDIATRIC DENTISTRY & ORTHODONTICS

Head	Associate Professor Dr. Wey Mang Chek BDS (Malaya), MOrth (Hong Kong), FDS RCS (England), MOrth RCSEd, FDS RCSEd
Professors	Professor Dr. Sabri Musa BDS (Malaya), MSc in Paediatric Dentistry (London), PhD (Malaya) Professor Dr. Zamri Radzi DDS (Indonesia), MDentSci in Orthodontics (Leeds), FFDRCSI (Ireland), MOrthRCS (England), MOrthRCS (Edinburgh), PhD (Oxford) Professor Dr. Siti Adibah Othman BDS (Malaya), DDS in Orthodontics (Bristol), MOrth RCSEd, MOrthRCS (England) <i>Ad Eundem</i>
Associate Professors	Associate Professor Dr. Wan Nurazreena Wan Hassan BDS (Wales), MScD in Orthodontics (Distinction) (Cardiff), MFDS RCSEd, MOrth RCSEd, FDS RCSEd Associate Professor Dr. Shani Ann Mani BDS (Tamil Nadu MGR), MFDS RCPS (Glasgow), MDS (Pedodontia & Preventive Dentistry) (Panjab) Associate Professor Dr. Lily Azura Shoaib DDS (Tokyo), MClintDent (Paeds) (Edinburgh)
Senior Lecturers	Dr. Roziana Mohd Razi BDS (Malaya), MClintDent (Orthodontics) (Sheffield), MOrth RCSEd Dr. Nor Malina Manan BDS (Malaya), MDS (Paediatric Dentistry) (Hong Kong), AdvDipPaedDent (Hong Kong) Dr. Maryani Mohamed Rohani BDS (Malaya), DClintDent (Special Needs Dentistry) (Melbourne), FiADH
Lecturers	Dr. Nor Nadia Zakaria BDS (Malaya), MOrth (Malaya), MOrthRCS (England) Dr. Tengku Nurfarhana Nadirah Tengku Hamzah BDS (Malaya), MClintDent (Child Dental Health) (Malaya)



Dr. Yasmin Kamarudin

BDS with Honours (UWA), DDS in Orthodontics (Bristol),
MOrth RCSEd

Dr. Saritha Sivarajan

BDS (Malaya), MOrth (Distinction) (Malaya),
MFDS RCSEd, MOrthRCS (England)

Dr. Lau May Nak

BDS (Malaya), MOrth (Distinction) (Malaya), MOrthRCS (England)

Dr. Norhidayah @ Nor Zahidah Mohd Tahir

BDS (Malaya), MOrth (Malaya), MOrthRCS (England)

Dr. Aufa Dahlia Bahar

BDS (London),
MSc ClinDent Orthodontics (Distinction) (Manchester),
MOrth RCSEd

Dr. Nurul Zeety Azizi

BDS (Malaya), DClinDent (Paed Dent) (London)

Dr. Eunice Soh Xinwei

BDS (Malaya), MJDF RCS (England), MOrth (Malaya),
MOrthRCS (England)

Dr. Noorhidayah Zainal Aalam

BDS (Malaya), DPeadDent (Leeds)

Dr. Nabihah Dziaruddin

DDS (UKM), MJDF RCS (Glasgow), MClindent (Paed Dent) (London)

Dr. Nurul Aliaa Ahmad Fauzi

BDS (London), MFDS RCSEd, DDS in Orthodontics (Bristol),
MOrth RCS (England)

Dr. Afiqah Abdul Aziz

BDS (London), MFDS RCS (Edinburgh),
MClindent Orthodontics (London), MOrth RCS (England)

Dr. Jessica Francis

BDS (Malaya), DClinDent (Special Needs Dentistry) (Melbourne),
FiADH

Dr. Aisyah Ahmad Faisal

BDS (Adel.), MFDS MSCD RCSEd,
D.Ch.Dent Special Care Dentistry (I Hons.) (Dubl.)

**Trainee
Lecturer**

Dr. Aliff Syazaryl Aiman bin Azhar
BDS. (Dubl.), BA(Dubl.)

**Supporting
Administrative
Staff**

Mrs. Nur Syuhaidah Jailani
Mrs. Razimah Ab Lazak
Mrs. Siti Hawa Mat Tahir

Department's Contact Details

Telephone : (+60) 3 7967 4802
Fax : (+60) 3 7967 4530
Email : ketua_orthochild@um.edu.my



DEPARTMENT OF ORAL & CRANIOFACIAL SCIENCES

Acting Head	Dr. Adyani Azizah Abd Halim BSc (Hons) (Malaya), MSc (Malaya), PhD (Malaya)
Professor	Professor Dr. Wan Himratul Aznita Wan Harun BSc (Hons) (Malaya), MSc (Distinction) (Malaya), PhD (Malaya) Professor Dr. Ian Charles Paterson BSc (London), PhD (Bath)
Associate Professors	Associate Professor Dr. Yap Lee Fah BSc (Taiwan), MSc (Singapore), PhD (Bristol) Associate Professor Dr. Chen Yeng BSc (Hons) (Malaya), MMedSc (Malaya), PhD (Malaya)
Senior Lecturers	Dr. Syarifah Nur Syed Abdul Rahman BSc (Hons) (Malaya), PhD (Malaya) Dr. Wan Izlina Wan Ibrahim BBiomedSc (Hons) (Malaya), MMedSc (Malaya), PhD (Malaya) Dr. Siti Amalina Inche Zainal Abidin BBiomedSc (UPM), MSc Chem Patho (USM), PhD (Sheffield)
Honorary Professors	Professor Dr. Fathilah Abdul Razak BSc (Hons) (Malaya), MSc (Malaya), PhD (Malaya) Professor Dr. Marina Mohd Bakri BDS (Malaya), MDS (Wales), PhD (Otago)
Trainee Lecturers	Dr. Sharifah Nabilah Syed Mohd Hamdan BDS (Al Azhar) Mr. Jazli Aziz BBiomedSc (IIUM), MBioSc (IIUM)

**Supporting
Administrative
Staff**

Ms. Roziana Zainal



Department's Contact Details

Telephone : 03-7967 4851
Email : ketua_biomulut@um.edu.my



DEPARTMENT OF ORAL AND MAXILLOFACIAL CLINICAL SCIENCES

Head	Associate Professor Dr. Kathreena Kadir BDS (Mal), MClintDent OMFS (Malaya) Fellowship in Oral & Maxillofacial Oncology and Reconstructive Surgery (Shanghai)
Professors	Professor Dr. Ngeow Wei Cheong @ David Ngeow BDS (Malaya), MDSc (Malaya), FFDRCS (Ireland), FDSRCS (England), PhD (Sheffield) Professor Dr. Wanninanyake Mudiyanseilage Tilakaratne BDS (Peradeniya) MS (Colombo), FDSRCS (England), FRCPath (UK), PhD (Niigata)
Associate Professors	Associate Professor Dr. Thomas George Kallarakkal BDS (VMS), MDS (Kerala) Associate Professor Dr. Norliza Ibrahim DDS (Indonesia), MSc (Manchester), PhD (Amsterdam) Associate Professor Dr. Firdaus Hariri BDS (Malaya), MBBS (Malaya), MDS (Hong Kong) Associate Professor Dr. Zuraiza Mohamad Zaini BDS (Malaya), MDSc Oral Path Oral Med (Queensland), MRACDS Oral Med (Aust), PhD (London) Associate Professor Dr. Siti Mazlipah Ismail BDS (Malaya), FDSRCS (England) Associate Professor Dr. Daniel Lim Khim Hock BDS (Malaya), MClintDent OMFS (Malaya)
Senior Lecturers	Dr. Anand Ramanathan BDS (Tamilnadu), MDS (Annamalai) Dr. Zakiah Mat Ripen BDS (Malaya), MClintDent OMFS (Malaya) Dr. Chan Siew Wui DDS (USM), MClintDent OMOP (Malaya)
Lecturers	Dr. Goh Yet Ching BDS (Malaya), MFDS RCSEd, MClintDent OMOP (Malaya)



Dr. Muhammad Kamil Hassan
BDS (Ire), MFDS RCSEd, MSC (Ire), FFDRCSI

Dr. Karthick Sekar
BDS (Ind), MDS (Ind), MFDRCSI (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), MFDS RCSEd, MCLinDent OMFS (Malaya)

Dr. Nur Fauziani Zainul Abidin
BDS (Otago), MCLinDent OMOP (Malaya)

Dr. Amir Hazwan Abdul Rahim
BDS (Lon), MSc (Forenodont) (Leuven)

**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. Phrabakaran 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. Maziahtul Zawani Binti Munshi
BDS (UiTM)

**Supporting
Administrative
Staff**

**Ms. Sainah Kasbollah
Ms. Thamilarasi A/P Thanaperumal
Ms. Aini Nadia Binti Che Ghani**



Department's Contact Details

Telephone : (60)3 7967 4807
Fax : (60)3 7967 4534
Email : ketua_oralsurgery@um.edu.my



PROGRAMMES OFFERED

ACADEMIC SESSION 2022/2023

Clinical Coursework Programmes

Master of Oral Science
Master of Clinical Dentistry (Oral and Maxillofacial Surgery)

Coursework Programmes

-Not offered-

Clinical Doctorate Programmes

Doctor in Paediatric Dentistry
Doctor in Special Care Dentistry
Doctor in Oral Maxillofacial Pathology and Oral Medicine
Doctor in Orthodontics
Doctor in Periodontology

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 Dentistry & Orthodontics

DEPUTY COORDINATOR

Dr. Goh Yet Ching
Department of Oral & Maxillofacial Clinical Sciences

2. COURSE COORDINATOR

● Research Methodology (DSX7001):

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

● Research Project (DSA7002):

- Dr. Nurul Zeety Azizi
Department of Paediatric Dentistry & Orthodontics

● Basic Medical Science (DSA7003):

- Dr. Rabi'ah Al-Adawiyah Rahmat,
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. Kathreena Kadir,
Department of Oral & Maxillofacial Clinical Sciences

● General Dentistry (DSA7006):

- Dr. Nurul Aliaa Ahmad Fauzi
Department of Paediatric Dentistry & Orthodontics



- **Orthodontics (DSA7008):**

- Dr. Roziana Mohd Razi,
Department of Paediatric Dentistry & Orthodontics

- **Prosthodontics (DSA7009):**

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

- **Paediatric Dentistry (DSA7010):**

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

- **Restorative Dentistry (DSA7012):**

- Dr. Nora Sakina Mohd Nor,
Department of Restorative Dentistry

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

- Dr. Aisyah Ahmad Faisal,
Department of Paediatric Dentistry & Orthodontics

- **Applied Oral Pathology (DSA7014):**

- Dr. Goh Yet Ching,
Department of Oral & Maxillofacial Clinical Sciences

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 a prerequisite to the Doctorate Clinical programme. 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 through a 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 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 minimal band 5

5. DURATION OF STUDY

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

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

This course comprises two components: Research Methodology and Biostatistics. Students are introduced to basic principles of a research process which prepare them to develop the ability to conduct independent research. The students also learn fundamental computer skills to search and manage information. Basic concepts in biostatistics are covered and supplemented with demonstration sessions using statistical software which enables students to perform basic analysis and presentation of data. The course also provides opportunities for students to develop interpersonal and soft skills through group assignments.

(b) Programme Core Course:

i) Basic Medical Science

This course encompasses the subjects in basic medical science namely anatomy, oral biology, biochemistry, medical microbiology, pathology, pharmacology, and physiology. At the end of this course the trainees will have a sound knowledge in the various subjects of basic medical science such that they will be able to apply this knowledge in their respective specialty courses.

ii) General Dentistry

This course is an integrated general dentistry that covers a multidisciplinary approach. The course will be taught through lectures, integrated dental knowledge gained from the course will help students as preparation for further training in specialty courses.

iii) Basic Life Support

The basic life support (BLS) course is an important component in medicine and dentistry as it exposes practitioners to medical emergencies which can be fatal to patients. The course will be taught through lectures and demonstrations on how to perform cardiopulmonary resuscitation according to international standards. All students will be given the opportunity to undergo practical and presentation sessions. At the end of the course, students are required to pass and will be awarded the BLS certification.



iv) Outreach Dentistry

Dental outreach services which include a series of community oral health activity with the element of sustainability, involving teamwork of different specialization such as Community Dentistry, Pediatric Dentistry and Orthodontics, Oral and Maxillofacial Surgery, Oral and Maxillofacial Pathology, Oral Medicine, Restorative Dentistry, Periodontology and Prosthodontics.

v) Research Project

This course will explain the significance of the research design and implication in the field of Dentistry and trainees will display skill of data analysis in producing good research report and adhere to legal, ethical, and professional codes of practice.

(c) Programme Clinical Course (Elective):

i) Paediatric Dentistry

The Paediatric Dentistry Elective course of the Master of Oral Science aims to train candidates preparing to pursue a speciality training programme in the field of Paediatric Dentistry and to subsequently enroll in the Doctor in Paediatric Dentistry (DrPaedDent).

The course encompasses varied academic activities to achieve the learning outcomes while ensuring that candidates take responsibility for their learning, which includes developing the foundational clinical skills required for the specialist in paediatric dentistry through modules based on operative techniques, concepts in basic clinical diagnosis and treatment, multidisciplinary clinics, and basic surgical skills with emphasis on effective communication, ethics, professionalism and teamwork

ii) Special Care Dentistry

In this course, students will be able to demonstrate a core knowledge of Oral Science in provision of dental care for patients with special needs. At the end of the course, the students should be able to demonstrate a level of competence in the management of patients commensurate with a general dental practitioner who has a special interest in Special Care Dentistry. The structure of the programme shall prepare the candidates for the Doctor in Special Care Dentistry programme. It shall consist of teaching activities such



as lectures, seminars, journal club, clinical training, and medical posting.

iii) Orthodontics

The structure of the programme shall provide an introduction to the specialty of Orthodontics and prepare the candidates for the Doctor of Orthodontics programme for clinical training in Orthodontic Specialty. This programme shall consist of teaching, basic training, and coursework in Orthodontics.

iv) Restorative Dentistry

The course is designed to include in-training teaching component where students will be introduced to a broad range of oral sciences pertaining to restorative dentistry through seminars, project assignments, problem solving, practical and clinical sessions. Trainees will then apply the knowledge for diagnosis and management of patients with restorative problems. Through role modelling, they will simulate sensitivity when managing patients as well as develop good ethical conduct. Through continuous seminar presentations and journal clubs, trainees will learn to engage in lifelong learning such that there is the application of evidence-based knowledge in diagnosis and management of restorative problems. This system ensures training of the high standards in the area of applied oral sciences in restorative dentistry.

v) Oral Maxillofacial Pathology and Oral Medicine

The course is designed to include an in-training teaching component where trainees will be introduced to clinicopathological characteristics of oral diseases via seminars, project assignments, problem solving, practical and clinical sessions. Trainees will then apply the knowledge in diagnosis and management of patients with oral diseases. Through role modelling, they will simulate sensitivity when managing patients as well as develop good ethical conduct. Continuous seminar presentations and journal clubs will encourage trainees to engage in lifelong learning and ensure practice of evidence-based knowledge during diagnosis and management of oral diseases. This system ensures training of high standards in applied oral pathology.



vi) *Prosthodontics*

This training at pre-specialization level in prosthodontics involves the scientific basis of the theoretical, laboratory and operative techniques, and basic clinical instructions in fixed and removable prosthodontics. Emphasis is also placed on the understanding of relationship of dental materials science, periodontology, endodontology, operative dentistry and other clinical disciplines relevant to general 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 one week before the class begins, within the registration week. Candidates who do not complete the registration within that period are not allowed to follow the course.

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 the field of research shall be done prior to the 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. ASSESSMENT & EXAMINATION

There are different types of assessments for each course. The following table describes the assessment criteria for each course, which is categorized into one of the following:

- I. Faculty core course
- II. Programme core course
- III. Programme elective course

COURSES	ASSESSMENT CRITERIA
Faculty Compulsory Course	
Research Methodology	<p><u>Summative assessment</u></p> <ul style="list-style-type: none">● Oral presentation - 50%● Written Report - 50% <p>To pass the course, the candidate must obtain:</p> <ul style="list-style-type: none">● 65% or more of the marks for each component:<ol style="list-style-type: none">i. Oral Presentationii. Written Report <p><u>Re-assessment</u></p> <p>A candidate who has failed (total score <65%) shall be required to re-submit the assignment for assessment and obtain at least 65% mark, within the same candidature period.</p>

Programme Core Course	
Basic Medical Science	<p><u>Examination</u> Written exam (100%):</p> <p>Component A: Short Answer Question (SAQ) - 50% Component B: One Best Answer (OBA), Extended Matching Question (EMQ) and Multiple Choice Question (MCQ) - 50%</p> <p>To pass the course, the candidate must obtain:</p> <ul style="list-style-type: none"> 65% or more of the total aggregate marks for component A and component B <p><u>Re-assessment</u> A candidate who has failed (total score <65%) shall be required to undergo remedial class and re-examination.</p>
General Dentistry	<p><u>Examination</u> Theory paper Multiple Choice Question (MCQ) paper - 100%</p> <p>To pass the course, the candidate must obtain:</p> <ul style="list-style-type: none"> 65% marks for the theory paper <p><u>Re-assessment</u> A candidate who has not fulfilled the requirement shall be required to undergo remedial class and re-examination.</p>
Basic Life Support	<p><u>Summative Assessment</u> Theory paper – MCQ - 100% Practical test</p> <p>To pass the course, the candidate must:</p> <ul style="list-style-type: none"> achieve 80% or more of the marks for theory paper pass the practical test by correctly demonstrate ALL steps of CPR. (A certificate is awarded upon passing the course)

	<p><u>Re-assessment</u> A candidate who has not passed the assessment shall be required to attend remedial class and resit the whole part (written test and practical exam) of the course.</p>
Outreach Dentistry	<p><u>Summative assessment</u> Continuous assessment Seminar, oral presentations, and reflective learning - 50% Oral Health Program Course Written Report - 50%</p> <p>To satisfy the requirement of the course, the candidate must:</p> <ul style="list-style-type: none"> • obtain 65% or more of the total marks <p><u>Re-assessment</u> A candidate who has not fulfilled the requirement shall be required to re-submit the report.</p>
Research Project	<p><u>Formative Assessment</u> (General research topic will be identified at the early part of the programme with the help of discipline coordinator, however most of the research work is carried out in second half of the term)</p> <ul style="list-style-type: none"> • Evaluation and feedbacks through student-supervisors interaction • Research proposal writing, presentation, and ethics application (where appropriate) <p><u>Summative Assessment (100%)</u></p> <ul style="list-style-type: none"> • Research report - 70% • Viva-voce - 30%
Programme Clinical Course (Elective)	
Orthodontics	<p><u>Continuous assessment (40%)</u></p> <ul style="list-style-type: none"> • Practical (wire bending) - 10% • Clinical work - 10% • Case/seminar presentation - 20% <p><u>Final examination (60%)</u> Written exam:</p> <ul style="list-style-type: none"> • Essay/MEQ - 35% • Clinical examination - 25%

Paediatric Dentistry	<p>Continuous assessment (40%)</p> <ul style="list-style-type: none"> ● Preclinical work - 12% ● Clinical work - 12% ● Seminars/ Assignments - 16% <p>Final examination (60%)</p> <ul style="list-style-type: none"> ● Written exam: essay - 30% ● Clinical viva voce - 30%
Prosthodontics	<p>Continuous assessment (40%)</p> <ul style="list-style-type: none"> ● Assignment - 10% ● Lab work/ clinical logbook - 25% ● Theory paper - 5% <p>Final examination (60%)</p> <ul style="list-style-type: none"> ● Written exam: essay - 35% ● Clinical exam/ viva voce/ MCQ/OBA - 25%
Special Care Dentistry	<p>Continuous assessment (40%)</p> <ul style="list-style-type: none"> ● Seminar assignment - 30% ● Case presentation - 10% <p>Final examination (60%)</p> <ul style="list-style-type: none"> ● Written exam: essay - 30% ● Clinical exam/viva voce - 30%
Applied Oral Pathology	<p>Continuous assessment (40%)</p> <ul style="list-style-type: none"> ● Seminars and clinicopathological conferences - 15% ● Oral Pathology Practical session, Oral Pathology Diagnostic session - 10% ● Assignment writing - 15% <p>Final exam (60%) Written exam</p>
Restorative Dentistry	<p>Continuous assessment (40%)</p> <ul style="list-style-type: none"> ● Assignment - 10% ● Lab work/ clinical logbook - 25% ● Theory paper - 5% <p>Final examination (60%)</p> <ul style="list-style-type: none"> ● Written exam: essay - 35% ● Clinical exam/ viva voce/ MCQ/OBA - 25%

(1) 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 to 6 hours SLT (which is the SLT for BMS examination).

(2) Examination Assessment

Marking Scheme

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

Marks	Grade	Grade Point	Meaning
90.00 -100.00	A+	4.00	High Distinction
80.00 – 89.99	A	4.00	Distinction
75.00 – 79.99	A-	3.70	
70.00 – 74.99	B+	3.30	Pass
65.00 – 69.99	B	3.00	
60.00 – 64.99	B-	2.70	Fail
55.00 -59.99	C+	2.30	
50.00 – 54.99	C	2.00	
45.00 – 49.99	C-	1.70	
40.00 – 44.99	D+	1.30	
35.00 – 39.99	D	1.00	
00.00 – 34.99	F	0.00	

(3) 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 (1) 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 (1) occasion only within the same candidature period

A candidate who has failed the re-examination, shall be permitted on the recommendation of the 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) Research Methodology examination; AND
- (b) Basic Medical Science examination or has obtained the exemption; AND
- (c) General Dentistry examination; AND
- (d) Basic Life Support examination: AND
- (e) Outreach Dentistry examinations; AND
- (f) Final Professional Examination

Part 1: Selected Clinical Course (Elective) as listed below:

- Orthodontics; OR
- Paediatric Dentistry; OR
- Periodontology; OR
- Special Care Dentistry; OR
- Applied Oral Pathology.

Part 2: Research Project; AND

- 
- (g) Satisfy the language requirements set by the university; AND
 - (h) 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 Professional Examination (clinical course and research); AND
- (b) Not failed any courses of the programme; 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.

12. AWARD OF THE DEGREE WITH DISTINCTION

A candidate may be awarded the degree of Master of Oral Science (MOSc) (with Distinction) if he/she has:

- a) passed with at least Distinction in the Research Methodology course and all programme core courses; AND passed with Distinction in the Final Professional examination for the degree of Master of Oral Science (MOSc) as prescribed above; and
- b) not repeated any part of the programme of study leading to the Final Professional examination except on medical or compassionate grounds acceptable to the Faculty.
- c) Not failed any component/subcomponent of the prescribed examinations; and
- d) completed the programme of study in a period not exceeding two (2) ordinary semesters from the initial semester of candidate registration.



MASTER OF CLINICAL DENTISTRY (ORAL AND MAXILLOFACIAL SURGERY)

MODE: BY CLINICAL COURSEWORK

1. PROGRAMME 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 program); 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 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 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

- (a) Programme Learning Outcome

PO1 (Knowledge)	Apply scientific evidence-based knowledge in the diagnosis and management of health problems in the field of Oral and Maxillofacial Surgery in a holistic way.
PO2 (Practical Skills)	Display the ability to perform and articulate specific clinical and surgical procedures.
PO3 (Social Skills and responsibility)	Identify and build rapport with patients and the public in promoting oral and maxillofacial health.
PO4 (Values, Attitudes and Professionalism)	Comply with relevant legal requirements and professional ethics to the practice of Oral and Maxillofacial Surgery and demonstrate good values and attitudes in patient management and other professional activities.
PO5 (Communication, Leadership and teamwork skills)	Communicate effectively with their colleagues, other healthcare professionals, relevant agencies, patients and the community and practice good leadership and effective team working skills in promoting Oral and Maxillofacial health.

PO6 (Problem solving & Scientific skills)	Critically appraise and utilize advances in scientific knowledge for the benefit of patients and the profession.
PO7 (Information management and lifelong learning skills)	Organize updated information by engaging in lifelong learning and continuing professional development to update their knowledge and skills.
PO8 (Managerial and entrepreneurial skills)	Apply entrepreneurship principles and good managerial skills in promoting oral & maxillofacial health.

- (b) 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 four (4) semesters comprising of:
- (i) Teaching, training, and coursework in the specialty; and
 - (ii) Research component leading to the submission of a research report.
- (c) Part III consists 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.
- (c) 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 one week before the class begins, within the registration week. Candidates who do not complete the registration within that period are not allowed to follow the course.

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

8. SUBMISSIONS

- 1) A candidate shall submit his/her research report at least ONE (1) 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 logbook and surgical journal for examination not later than **ONE (1)** month before the Final examination.
 - (c) The logbook and surgical journals must satisfy the board of examiners.
- 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 programme 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:

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

Component	Subcomponent	Allocation of Marks (Maximum)
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
	Grand Total	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:

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



7) Examination Assessment

Marking Scheme

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

Marks	Grade	Grade Point	Meaning
90.00 -100.00	A+	4.00	High Distinction
80.00 – 89.99	A	4.00	Distinction
75.00 – 79.99	A-	3.70	
70.00 – 74.99	B+	3.30	Pass
65.00 – 69.99	B	3.00	
60.00 – 64.99	B-	2.70	
55.00 -59.99	C+	2.30	Fail
50.00 – 54.99	C	2.00	
45.00 – 49.99	C-	1.70	
40.00 – 44.99	D+	1.30	
35.00 – 39.99	D	1.00	
00.00 – 34.99	F	0.00	

- (b) 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 subcomponent (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 (1) 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 75% 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.

DOCTOR IN PAEDIATRIC DENTISTRY

MODE: BY CLINICAL COURSEWORK

1. PROGRAMME OF STUDY

The Doctor in Paediatric Dentistry (DrPaedDent) is a 3-years, full-time programme with 30% research component, designed for dental graduates with a master degree who wish to pursue specialist training in Paediatric Dentistry. The course aims to produce specialists who are clinically competent in the field of Paediatric Dentistry and are able to function as members of the health care delivery system with the highest standards of professional ethics while adapting to the changing needs of the community.

2. ADMISSION REQUIREMENTS

- (1) Bachelor of Dental Surgery or an equivalent degree in Dentistry AND A Master degree in Oral Science AND have at least two (2) years Bachelor degree post registration clinical experience in dentistry, which excludes the training period during the master programme.
- (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) Fulfil the requirements for admission as prescribed by the Faculty; AND
- (5) 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) Obtain a score of 550 for a total based on the paper, a score of 213 for a total based on the computer or a score of 80 for a total based on the internet for the Test of English as a Foreign Language (TOEFL); OR
 - (b) Obtained a minimum score of band 6 or band according to 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 minimal band 5

3. DURATION OF STUDY

This programme shall extend over a minimum period of six (6) semesters and a maximum period of eight (8) semesters.

4. STRUCTURE OF PROGRAMME OF STUDY

(1) Programme Learning Outcomes:

At the end of the Doctor in Paediatric Dentistry programme, the graduates must be able to:

- (i) Apply scientific evidence-based knowledge for problem-solving and patient care in Paediatric Dentistry.
- (ii) Identify and diagnose clinical problems associated with development of permanent and/or primary teeth and related structures, provide appropriate holistic specialist health care, plan follow up care and solve related problems.
- (iii) Identify and work alongside relevant colleagues/agencies/organisations/communities in promoting oral health care of children.
- (iv) Apply legal, ethical, and professional code of practice in the oral care of children and demonstrate good values and attitudes in the management of clinical problems.
- (v) Communicate effectively with colleagues, health care professionals, relevant agencies, patients, and the community at large and exhibit good leadership and teamwork skills in promoting the oral health of children.

- 
- (vi) Critically appraise and utilize advances in scientific knowledge and technology for the benefit of oral health care of children.
 - (vii) Integrate information for lifelong learning and continuing professional development to further improve their knowledge and skills in Paediatric Dentistry.
 - (viii) Apply the principles of social entrepreneurship and good management skills in promoting the oral health of children

(2) This programme shall consist of the following:

(a) Faculty Core course

(i) Research Methodology course (DVX 8001)

This course comprises of mid and advance level of Research Methodology and Biostatistics components. Students are introduced to relevant research methodology and principles in conducting clinical, applied and basic research. Concepts in biostatistics are covered and supplemented with hands-on session using statistical software which enables students to perform relevant analysis, correct interpretation and presentation of data. The course also provides opportunities for students to practice intellectual thinking and scientific writing.

(b) Programme Core Courses

(i) Dissertation (Paediatric Dentistry) (DYC 8002)

Comprising research in the field of Paediatric Dentistry.

(ii) Paediatric Dentistry I (DYC 8003)

Comprising teaching, training and clinical coursework in the speciality of Paediatric Dentistry.

(iii) Paediatric Dentistry II (DYC 8004)

Comprising clinical attachment in the specialty option at local/international tertiary centres under supervision of paediatric dentistry consultants approved by the University and/or Ministry of Health.

- 
- (c) 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 one week before the class begins, within the registration week. Candidates who do not complete the registration within that period are not allowed to follow the course.

6. ACADEMIC SUPERVISION

- (i) 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.
- (ii) The consultant appointed to the candidate at centers of attachment shall submit a report on the candidature clinical progress to the Head of Department at the end of each posting and/or six months' interval for a posting longer than six months.

7. FIELD OF RESEARCH

- (i) The determination of the field of research shall be done prior to the candidate's embarkation on research work.
- (ii) The candidate is required to satisfactorily complete the research proposal presentation and candidature defense during the course of the research project.

8. SUBMISSIONS

- (i) A candidate shall submit his/her research report at least ONE month before the commencement date of Dissertation (Paediatric Dentistry) examination or by the date prescribed by the department.
- (ii) A candidate shall submit his/her case reports at least ONE month before the commencement date of Part I and Final Professional examination or by the date prescribed by the department.
- (iii) 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 Doctor in Paediatric Dentistry (DrPaedDent) by clinical coursework shall be the:
 - a) Part I Professional examination
 - i. The Part I Professional examination shall be held at the end of Year 2 of the programme of study. No candidate shall be permitted to sit for the Part I Professional examination unless he/she has:
 - obtained at least 65% marks of the continuous assessment component of the Part I Professional examination.
 - submitted his/her case reports for examination not later than **ONE** month before the Part I Professional examination.
 - b) Dissertation (Paediatric Dentistry)
 - i. The examination for Dissertation (Paediatric Dentistry) shall be held at the end of Semester 1, Year 3 of the programme of study. No candidate shall be permitted to sit for the Dissertation (Paediatric Dentistry) examination unless he/she has
 - satisfactorily completed the research proposal presentation and candidature defense presentation.
 - submitted his/her Dissertation not later than **ONE** month before the Dissertation (Paediatric Dentistry) examination.
 - c) Final Professional Examination
 - i. The Final Professional examination shall be held at the end of Year 3 of the programme of study. No candidate shall be permitted to proceed to the Final Professional examination unless he has:
 - passed the Part I Professional examination.; and
 - submitted his/her case reports and logbook for examination by the date prescribed by the department prior to the Final Professional examination.

2) Examination Components and Allocation of Marks

a) Part I Professional Examination

The components of the Part I Professional examination and the marks to be allocated to each section shall be as follows:

Component	Subcomponent	Allocation of Marks (Maximum)
Section A	Professional Examination	60%
	a. Written paper	50%
	b. Case presentation	25%
	c. Unseen Case examination	25%
Section B	Continuous assessment	40%
Grand Total		100%

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

b) Dissertation (Paediatric Dentistry) examination

The components of the Dissertation (Paediatric Dentistry) examination shall be as follows:

Component	Assessment
1. Dissertation evaluation	Pass/Fail (refer below for grading)
2. <i>Viva Voce</i>	

Candidates are required to attend the viva voce for the Dissertation. Marks and grades will not be given in the dissertation examination.

Candidate has to satisfy the requirements for this part of the programme.

c) Final Professional Examination

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

Component		Allocation of Marks (Maximum)
Section A	General <i>Viva Voce</i>	50%
Section B	Clinical Case presentation	25%
	Logbook (Clinical Attachment)	25%
Grand Total		100

3) Examination Assessment

Marking Scheme

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

Marks	Grade	Grade Point	Meaning
90.00 -100.00	A+	4.00	High Distinction
80.00 – 89.99	A	4.00	Distinction
75.00 – 79.99	A-	3.70	
70.00 – 74.99	B+	3.30	Pass
65.00 – 69.99	B	3.00	
60.00 – 64.99	B-	2.70	Fail
55.00 -59.99	C+	2.30	
50.00 – 54.99	C	2.00	
45.00 – 49.99	C-	1.70	
40.00 – 44.99	D+	1.30	
35.00 – 39.99	D	1.00	
00.00 – 34.99	F	0.00	



b) For the Part I Professional 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.

c) For the Dissertation (Paediatric Dentistry) Examination:

The committee of examiners shall consider the examiner reports for dissertation, candidate dissertation and *viva voce* examination according to **University of Malaya Rules and Regulations (Doctorate Degree) 2019** to recommend whether the candidate

- i) will be awarded a distinction
- ii) has achieved sufficient academic merit to be awarded a Degree without the need to make amendments/corrections.
- iii) has achieved sufficient academic merit to be awarded a pass to the course subject to the candidate making minor corrections in a period not exceeding three (3) months and confirmed by the supervisor.
- iv) has achieved sufficient academic merit to be awarded a pass to the course subject to the candidate making major corrections in a period not exceeding six (6) months and confirmed by the supervisor and internal examiner.
- v) is required to do further research and submit a dissertation for re-examination within six (6) to twelve (12) months.
- vi) does not achieve academic merit and recommends to the committee of examiners that the candidate has failed in dissertation examination and is not allowed to submit a dissertation for re-examination.



4) Requirements for Passing an Examination

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

a) Part I Professional Examination

65% or more of the marks for Section A and Section B and 65% or more of the aggregate combined marks for Section A and Section B of the Part I Professional examination.

b) Dissertation (Paediatric Dentistry) Examination

- i) is awarded a distinction
- ii) has achieved sufficient academic merit to be awarded a pass to the course without the need to make amendments/corrections.
- iii) has achieved sufficient academic merit to be awarded a pass to the course subject to the candidate making minor corrections in a period not exceeding three (3) months and confirmed by the supervisor.
- iv) has achieved sufficient academic merit to be awarded a pass to the course subject to the candidate making major corrections in a period not exceeding six (6) months and confirmed by the supervisor and internal examiner.

c) Final Professional Examination

65% or more of the marks for Section A and Section B and 65% or more of the aggregate combined marks for Section A and Section B of the Final Professional examination.

5) Repeating an Examination

a) Part I Professional Re-Examination

- (i) A candidate who has failed the Part I professional examination shall be required to repeat the Part I professional examination 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) In a Part I Professional Re-examination, the candidate is required to re-sit only the first professional examination and shall be deemed to have passed the continuous assessment with a highest grade B after attaining at least 65% marks in Section B.

(iii) A candidate who fails the Part I Professional examination twice consecutively shall be terminated from the Doctor in Paediatric Dentistry (DrPaedDent) degree programme and be refused re-admission to the programme.

b) Dissertation (Paediatric Dentistry) Re-Examination

(i) A candidate's dissertation 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 dissertation for re-examination.

(ii) A candidate who failed to submit his/her dissertation by the end of a prescribed period for corrections or re-examination or whose dissertation after re-submission, fails to satisfy the Committee of Examiners, shall be deemed to have failed the re-examination in the dissertation.

c) Final Professional Re-Examination

(i) A candidate who has failed the final professional examination shall be required to re-sit the final professional examination.

(ii) A candidate who has failed the final professional re-examination twice consecutively shall be terminated from the Doctor in Paediatric Dentistry (DrPaedDent) degree programme and be refused readmission to the programme except in special circumstances on the recommendation of the Faculty of Dentistry and with the approval of the Senate.

(iii) 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 Professional examination or the Final Professional examination if he/she 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 Doctor in Paediatric Dentistry (DrPaedDent) if he/she has:

- a) passed the Part I Professional examination, Dissertation (Paediatric Dentistry) and Final Professional examination for the degree of Doctor in Paediatric Dentistry (DrPaedDent) as prescribed above; and
- b) satisfactorily fulfilled the requirements of the Research Methodology course.

13. AWARD OF THE DEGREE WITH DISTINCTION

A candidate may be awarded the degree of Doctor in Paediatric Dentistry (DrPaedDent) (with Distinction) if he/she has:

- a) passed with Distinction in the Part I Professional examination, Dissertation (Paediatric Dentistry) and Final Professional examination for the degree of Doctor in Paediatric Dentistry (DrPaedDent) as prescribed above; and
- b) not repeated the Part I Professional examination, Dissertation (Paediatric Dentistry) examination or the Final Professional examination or any part of the programme of study leading to Part I Professional examination, the Dissertation (Paediatric Dentistry) examination or the Final Professional examination except on medical or compassionate grounds acceptable to the Faculty.
- c) Not failed any component of the prescribed examinations; and
- d) completed the programme of study in a period not exceeding six (6) ordinary semesters from the initial semester of candidate registration.

DOCTOR IN SPECIAL CARE DENTISTRY

MODE: BY CLINICAL COURSEWORK

1. PROGRAMME OF STUDY

The Doctor in Special Care Dentistry (DrSCDent) is a three-year full-time programme for a specialist training in Special Care Dentistry (SCD). The programme aims to produce specialists in the discipline of SCD who are knowledgeable, clinically, and technically competent to practice at an advanced level, socially responsible, are able to function effectively as members of the healthcare delivery system and who adhere to the highest standards of professional ethics and conduct. The programme is designed to facilitate the advanced development of clinical, academic and research skills necessary for a student to further a career in academia, research, or specialty practice.

2. ADMISSION REQUIREMENTS

- (a) Minimum requirement:
 - (i) Obtained recognized bachelor's degree or an equivalent degree in Dentistry with Master of Oral Sciences with elective on Special Care Dentistry from Universiti Malaya or equivalent
 - (ii) and have at least two (2) years post registration clinical experience in dentistry
- (b) Registered with the Malaysian Dental Council (MDC) and holds a current Annual Practising Certificate (APC) or registered with a dental regulatory body in another country and eligible to be granted a Temporary Practising Certificate (TPC) by the MDC.
- (c) Other requirements:
 - (i) Pass the interview (exemption may be given for candidates who have obtained the degree from the Master of Oral Science, UM)
 - (ii) Fulfil the requirements for admission as prescribed by the Faculty.

- 
- (d) English Language Requirement for Malaysian and non-Malaysian candidates with foreign dental degree (any ONE of the followings):
- (i) Score a minimum of 550 (written paper), score 213 (computer test) or score of 80 (internet test) in the Test of English as a Foreign Language (TOEFL);
 - (ii) Obtain at least Band 6 in the International English Language System (IELTS);
 - (iii) Pearson Test of Academic English (PTE Academic) with minimum score of 42;
 - (iv) English Language subject at A-level with Grade C and above
 - (v) Cambridge English: First (FCE) grade C and above
 - (vi) Cambridge English: Advance (CAE) Grade C and above
 - (vii) Cambridge English: Proficiency (CPE) Grade C and above
 - (viii) Malaysian University English Test (MUET) with minimal band 4

3. DURATION OF STUDY

This programme shall extend over a minimum period of six (6) semesters / 3 years and a maximum period of eight (8) semesters/ 4 years.

4. STRUCTURE OF PROGRAMME OF STUDY

(a) Programme Learning Outcome

At the end of the Doctor in Special Care Dentistry programme, the graduates must be able to:

- (i) Synthesise knowledge of evidenced-based patient care and research methods, ensuring mastery of clinical and research skills in Special Care Dentistry.
- (ii) Adapt clinical and research skills for current evidence-based treatment approaches in the management of patients with special needs.
- (iii) Communicate with peers, other health professionals and local communities for provision of oral health services in Special Care Dentistry.

- 
- (iv) Adhere to legal, ethical and professional code of practice in research and patient care in the field of Special Care Dentistry.
- (v) Exhibit teamwork, leadership and communication skills.
- (vi) Critically appraise and utilize advances in scientific knowledge and technology in decision-making pertaining to evidence-based patient care, design and execute research and disseminate its output in the specialty Special Care Dentistry.
- (vii) Practice lifelong learning and evaluation of new information for evidence-based clinical practice in solving problems at the patient and community level.
- (b) This programme shall consist of TWO main components:
- (i) Faculty Core Course, namely:
- Research Methodology (DVX 8001)
- This course comprises of mid and advance level of Research Methodology and Biostatistics components. Students are introduced to research methodology and principles in conducting clinical, applied, and basic research. Concepts in biostatistics will be covered and supplemented with hands-on session using statistical software which enables students to perform relevant analysis, correct interpretation, and presentation of data. The course also provides opportunities for students to practice intellectual thinking and scientific writing.
- (ii) The Programme Core Course consists of the following:
- Dissertation (Special Care Dentistry) (DYD 8002)
- This course encompasses all aspects of research from development of a research proposal to submission of a research write-up in the form of dissertation. An experienced supervisor in research will supervise the trainee in the specialty of Special Care Dentistry. The candidate will be able to develop a research proposal and present it for evaluation. The candidate will also be able to write the ethics and grant applications (where necessary) and submit it to the relevant agencies for approval in Year 1. The candidate will be able to write-up a literature review in their relevant topics by the end of 1st Year and conduct research work independently in the Year 2 in accordance with ethics and morals in research. By the end of the second year, candidates will be able to submit



their thesis (maximum 80,000 words) for critical evaluation by internal and external examiners and to defend their research output. In due process candidates may be able to send their research for publication in local/international journal.

- Special Care Dentistry I (DYD 8003)

This is a progressive course starting from year one to year two. There will be a series of lectures and seminars that will cover topics in disability, including legal, ethical, cultural and social aspects underpinning SCD, dental management of human diseases of medically compromised patients, oral pathology, oral medicine, cancer and patients with sensory, behavioural and cognitive impairments. The candidate will be able to manage patients who are undergoing dental treatment under general anaesthesia, inhalation sedation using nitrous oxide and behaviour therapy while providing dental treatments. The candidate would be able to apply knowledge of medical problems while providing oral health care in the management of patients with complex medical conditions such as those undergoing chemotherapy, radiotherapy, immunotherapy, and organ transplant. The candidate would be able to monitor appropriate, individual health care plans to prevent and minimise the effects of oral disease for special needs patients in a community, clinic, hospital, and domiciliary settings. The candidate will also be posted to the hospital departments, i.e. anaesthesiology, haematology, accident & emergency and oncology units. During 1st year, the candidate will be assessed on the assignments, clinical work, and written test by the end of the 1st year. The candidate will attend the Professional Examination Part 1 by the end of this course during the 2nd year.

- Special Care Dentistry II (DYD 8004)

The course will be delivered in the 3rd year through specialty attachment for work experiential learning. The candidate will be able to practice and update their professional skills in managing SCD patients. The course will encourage candidates to become a life-long learner, capable of reflecting and continuing self-directed learning in the practice of SCD. The candidate will attend the Final Professional Examination by the end of this course.

- (c) 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 one week before the class begins, within the registration week. Candidates who do not complete the registration within that period are not allowed to follow the course.

6. ACADEMIC SUPERVISION

- a) 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.
- b) Student supervision in clinical and research are supported by experts from Special Care Dentistry and other dental disciplines such as Paediatric Dentistry, Restorative, Oral & Maxillofacial Surgery, etc. as well as other medical specialties.
- c) 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.
- d) 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.

7. FIELD OF RESEARCH

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

8. SUBMISSIONS

- a) A candidate shall submit his/her research report at least ONE month before the commencement date of Part II examination.
- b) 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 Doctor in Special Care Dentistry by clinical coursework shall be the:
 - a) Professional Examination Part I
 - b) Final Professional Examination
 - c) Research dissertation component
- 2) No candidate shall be permitted to sit for the Part I examination unless he/she has satisfactorily completed four (4) case presentations, and four (4) field visit presentations and reports.
- 3) No candidate shall be permitted to sit for the Final Professional examination unless he/she has passed the Part I examination.
- 4) The Part I examination shall be held at the end of the semester 4. The Final Part shall be held at the end of the semester 6.
- 5) Examination components and allocation of marks:
 - (a) Professional Examination Part I
 - (i) The components of the Part I examination and the marks to be allocated to each section shall be as follows:

Section	Component	Allocation of marks (Weightage, %)
A: Theory & clinical components (60%)	i. Written paper	50
	ii. Viva voce of clinical cases	50
Total		100
B: Continuous assessment (40%)	i. Year 1 assessments	40
	ii. Clinical work assessment	20
	iii. Clinical audit presentation	20
	iv. Assignments	10
	v. Logbook	10
Total		100

Re-assessment for audit:

- A candidate who has not achieved 65% marks in audit report shall be required to re-submit the audit report and must obtain a pass before sitting for the Part 1 Professional Exam.

(b) Final Professional Examination

(i) The marks to be allocated to each component shall be as follows:

Section A: *Clinical Management (60%)

Components	Weightage
i. Viva-Voce	80%
ii. Clinical case reports	20%
TOTAL	100%

**Candidates must attain at least 65% for component in section A.*

Section B: *Continuous Assessment (40%)

Components	Weightage
i. Logbook	100%
TOTAL	100%

**Candidates must attain at least 65% in section B.*

Requirement to sit for the Final Professional examination:

- The candidate must have passed the Part I Professional Examination.
- To pass the Final Professional Examination, the candidate must obtain;
 - 65% or more of the marks for each of section A and section B; and
 - 65% or more of the aggregate combined marks for section A and section B

Re-examination:

- A candidate who has not achieved the above requirement shall be required to repeat the whole course DYD 8004 and re-sit the Final Professional Examination and obtain at least 65% marks, provided has not exceeded the maximum candidature period.
- Continuous assessments marks shall be determined based on the clinical schedule and other assessment activities assigned to the repeat candidate which will be set by the Department.

- 
- A candidate who failed the Final Professional twice consecutively or has exceeded the maximum candidature period will be deemed as failed out.

Appeal:

Refer to the University of Malaya (Degree of Doctorate) Rules and Regulations 2019.

(c) Research dissertation component

The method of assessment for research dissertation component of a Doctor in Special Care Dentistry by Coursework is as follows:

- a) through examination of the dissertation and a *viva voce*
- b) The committee of examiners shall consider the examiner reports for dissertation, candidate dissertation and *viva voce* examination according to **University of Malaya Rules and Regulations (Doctorate Degree) 2019** to recommend whether the candidate
 - i) will be awarded a distinction
 - ii) has achieved sufficient academic merit to be awarded a pass to the course without the need to make amendments/corrections.
 - iii) has achieved sufficient academic merit to be awarded a pass to the course subject to the candidate making minor corrections in a period not exceeding three (3) months and confirmed by the supervisor.
 - iv) has achieved sufficient academic merit to be awarded a pass to the course subject to the candidate making major corrections in a period not exceeding six (6) months and confirmed by the supervisor and internal examiner.
 - v) is required to do further research and submit a dissertation for re-examination within six (6) to twelve (12) months.
 - vi) does not achieve academic merit and recommends to the committee of examiners that the candidate has failed in dissertation examination and is not allowed to submit a dissertation for re-examination.

- 
- c) Mark and grade will not be given in the examination of a dissertation.
 - d) The candidate shall be required to attend a *viva voce* with respect to his dissertation. The Committee of Examiners has the authority to determine the method of conducting a *viva voce* of the dissertation of a candidate. The Committee of Examiners may, if necessary, invite a teacher at the University who has the experience and expertise related to the field of research of the candidate to attend the meeting of the Committee of Examiners and the *viva voce* examination of the candidate concerned.

6) Examination Assessment

Marking Scheme

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

Marks	Grade	Grade Point	Meaning
90.00 -100.00	A+	4.00	High Distinction
80.00 – 89.99	A	4.00	Distinction
75.00 – 79.99	A-	3.70	
70.00 – 74.99	B+	3.30	Pass
65.00 – 69.99	B	3.00	
60.00 – 64.99	B-	2.70	Fail
55.00 -59.99	C+	2.30	
50.00 – 54.99	C	2.00	
45.00 – 49.99	C-	1.70	
40.00 – 44.99	D+	1.30	
35.00 – 39.99	D	1.00	
00.00 – 34.99	F	0.00	



(b) Grading system for research component:

1. Awarded a Distinction
2. Awarded a pass with no amendment/correction required
3. Awarded a pass with minor correction, and for resubmission with verification by supervisor/s
4. Awarded a pass with major correction, and for resubmission with verification from supervisor/s and internal examiner
5. Resubmission of dissertation with further work as recommended by examiners for re-examination
6. Failed the dissertation examination and the work is not acceptable for resubmission for re-examination

7) 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 section A and section B; and,
- 65% or more of the aggregate combined marks for section A and section B.
- Obtain at least 65% passing marks on clinical audit

(b) Final Part Examination

- 65% or more of the marks for each of section A and section B; and
- 65% or more of the aggregate combined marks for section A and section B.

8) Repeating an Examination

(a) Part I Re-Examination

- (i) A candidate who has not achieved the above requirement shall be required to repeat the Part I Examination in the next academic year.
- (ii) Continuous assessment marks shall be determined based on the clinical schedule and other assessment activities assigned to the repeat candidate which will be set by the department.

- 
- (iii) Candidates must attain at least 65% in Section A and B respectively, and 65% of the aggregate combined marks for section A and B to obtain a pass.

Appeal

Refer to the University of Malaya (Degree of Doctorate) Rules and Regulations 2019.

(b) Final Part Re-Examination

- (i) A candidate who has not achieved the above requirement shall be required to repeat the whole course DYD 8004 and re-sit the Final Professional Examination and obtain at least 65% marks, provided has not exceeded the maximum candidature period.
- (ii) Continuous assessments marks shall be determined based on the clinical schedule and other assessment activities assigned to the repeat candidate which will be set by the Department.
- (iii) A candidate who failed the Final Professional twice consecutively or has exceeded the maximum candidature period will be deemed as failed out.

(c) Dissertation Re-Examination

- (i) A candidate's research dissertation 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.
- (ii) A candidate who failed to submit his/her research dissertation by the end of a prescribed period for re-examination or whose research dissertation after re-submission, fails to satisfy the Committee of Examiners, shall be deemed to have failed the re-examination in the research dissertation, unless in certain circumstances an extension of not more than three (3) months to the specified period has been approved by the Dean of the Faculty. Any appeal after this extended period is subject to the approval of the Senate on the recommendation of the Committee of Examiners.

10. AWARD OF PASS WITH DISTINCTION FOR THE EXAMINATION

A candidate may be awarded a pass with Distinction in the Part I examination and Final Part of examination if he/she has:

- (a) Obtained 90% or more of the aggregate combined marks of the components and at least 75% 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 Doctor in Special Care Dentistry if he/she has:

- (a) passed the Part I and Final Examinations in Doctor in Special Care Dentistry as prescribed above; and
- (b) satisfactorily fulfilled the requirements of courses; Research Methodology and Dissertation (Special Care Dentistry)

12. AWARD OF THE DEGREE WITH DISTINCTION

A candidate may be awarded the Doctor in Special Care Dentistry (with Distinction) if he/she has:

- (a) Passed with Distinction in the Part I and Final examinations for the Special Care Dentistry I and II courses as prescribed above; and
- (b) Not repeated the Part I examination, Final examination or any part of the programme of study leading to Part I examination and the Final Professional examination except on medical or compassionate grounds acceptable to the Faculty.



DOCTOR IN ORAL MAXILLOFACIAL PATHOLOGY AND ORAL MEDICINE

MODE: BY CLINICAL COURSEWORK

1. PROGRAMME OF STUDY

The Doctor in Oral Maxillofacial Pathology and Oral Medicine (DrOMPathMed) is a 3-year, full-time programme with 30% research component, designed for dental graduates with a master degree who wish to pursue specialist training in Oral Maxillofacial Pathology and Oral Medicine. The programme aims to produce Oral Maxillofacial Pathology and Oral Medicine specialists who adhere to the highest standards of professional ethics, are knowledgeable, competent in clinico-pathological diagnosis, have social responsibility, and are adaptable to the changing needs of the community.

2. ADMISSION REQUIREMENTS

- (1) Bachelor of Dental Surgery or an equivalent degree in Dentistry AND A Master degree in Oral Science or equivalent Master degree from local and foreign universities AND have at least two (2) years Bachelor degree post registration clinical experience in dentistry, which excludes the training period during the master programme.
- (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 (exemption may be given for candidates who have obtained the degree of Master of Oral Science, University of Malaya); AND
- (5) Fulfil the requirements for admission as prescribed by the Faculty; AND
- (6) Fulfils English Language Competency Requirement for Malaysian and non-Malaysian citizens who obtain qualifications from University or Higher Education Institute outside Malaysia (any ONE of the following):

- 
- (a) Obtain a score of 550 for a total based on the paper, a score of 213 for a total based on the computer or a score of 80 for a total based on the internet for the Test of English as a Foreign Language (TOEFL); OR
 - (b) Obtain a minimum score of band 6 or band according to programme standard in the International English Language System (IELTS); OR
 - (c) Pearson Test of Academic English (PTE Academic) with a 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 eight (8) semesters.

4. STRUCTURE OF PROGRAMME OF STUDY

(1) Programme Learning Outcomes:

At the end of the Doctor in Oral Maxillofacial Pathology and Oral Medicine programme, the graduates must be able to:

- (i) Synthesize knowledge towards diagnosis, evidenced-based patient care and original research in the specialty of Oral Maxillofacial Pathology and Oral Medicine.
- (ii) Adapt practical and clinical skills to carry out investigations required for diagnosis and management of patients with Oral and Maxillofacial disorders.
- (iii) Provide comprehensive and holistic specialist healthcare relating to the specialty of Oral Maxillofacial Pathology and Oral Medicine.

- 
- (iv) Conduct research independently adhering to legal, ethical and professional code of practice in the specialty of Oral Maxillofacial Pathology and Oral Medicine.
 - (v) Display leadership skills through effective communication with colleagues, other healthcare professionals, relevant agencies and patients.
 - (vi) Apply advances in scientific knowledge and technology in decision-making pertaining to evidence-based patient care, and research in the specialty of Oral Maxillofacial Pathology and Oral Medicine.
 - (vii) Integrate information for lifelong learning in solving problems at the patient and community level.
 - (viii) Practice independently as part of an effective management of clinical specialist practice in the field of Oral Maxillofacial Pathology and Oral Medicine.
- (2) This programme shall consist of the following:
- (a) Faculty Core course
 - (i) Research Methodology course (DVX 8001)

This course comprises of mid and advanced level of Research Methodology and Biostatistics components. Students are introduced to relevant research methodology and principles in conducting clinical, applied and basic research. Concepts in biostatistics are covered and supplemented with hands-on session using statistical software which enables students to perform relevant analysis, correct interpretation and presentation of data. The course also provides opportunities for students to practice intellectual thinking and scientific writing.
 - (b) Programme Core Courses
 - (i) Dissertation (Oral Maxillofacial Pathology & Oral Medicine) (DYA 8002)

Comprising research in the field of Oral Maxillofacial Pathology & Oral Medicine.



(ii) Oral Maxillofacial Pathology & Oral Medicine I (DYA 8003)

Comprising teaching, training and clinical coursework in the specialty of Oral Maxillofacial Pathology & Oral Medicine.

(iii) Oral Maxillofacial Pathology & Oral Medicine II (DYA 8004)

Comprising attachments in clinical and laboratory units in the specialty at local/international tertiary centres under supervision of Oral Maxillofacial Pathology & Oral Medicine consultants approved by the University and/or Ministry of Health.

- (c) 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 one week before the classes begin, within the registration week. Candidates who do not complete the registration within that period are not allowed to follow the course.

6. ACADEMIC SUPERVISION

- (i) 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.
- (ii) The consultant appointed to the candidate at centers of attachment shall submit a report on the candidate's progress to the Head of Department at the end of each posting.

7. FIELD OF RESEARCH

- (i) The determination of the field of research shall be done prior to the candidate's embarkation on research work.
- (ii) The candidate is required to satisfactorily complete the research proposal presentation and candidature defense during the course of the research project.



8. SUBMISSIONS

- (i) A candidate shall submit his/her research report at least ONE month before the commencement date of Dissertation (Oral Maxillofacial Pathology & Oral Medicine) examination or by the date prescribed by the department.
- (ii) A candidate shall submit his/her case reports at least ONE month before the commencement date of the First and Second Professional examinations or by the date prescribed by the department.
- (iii) 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 Doctor in Oral Maxillofacial Pathology & Oral Medicine (DrOMPPathMed) by clinical coursework shall be the:
 - a) Professional examination I
 - i. The Professional examination I shall be held at the end of Year 2 of the programme of study. No candidate shall be permitted to sit for the Professional examination I unless he/she has:
 - satisfied the clinical requirement set by the Department.
 - obtained at least 65% marks for the continuous assessment component of the Professional examination I.
 - b) Dissertation (Oral Maxillofacial Pathology & Oral Medicine)
 - i. The examination for Dissertation (Oral Maxillofacial Pathology & Oral Medicine) shall be held at the end of Semester 1, Year 3 of the programme of study. No candidate shall be permitted to sit for the Dissertation (Oral Maxillofacial Pathology & Oral Medicine) examination unless he/she has
 - satisfactorily completed the research proposal presentation and candidature defense presentation.
 - submitted his/her Dissertation not later than **ONE** month before the Dissertation (Oral Maxillofacial Pathology & Oral Medicine) examination.



c) Professional Examination II

ii. The Professional examination II shall be held at the end of Year 3 of the programme of study. No candidate shall be permitted to proceed to the Professional examination II unless he/she has:

- passed the Professional examination I.; and
- submitted his/her case reports and logbook for examination by the date prescribed by the department prior to the Professional examination II.

2) Examination Components and Allocation of Marks

a) Professional Examination I

The components of the Professional examination I and the marks to be allocated to each section shall be as follows:

Component	Subcomponent	Allocation of Marks (Maximum)
Section A	Professional Examination	60%
	a) Theory	40%
	b) Clinical (including voice)	30%
	c) Practical (may include viva-voce)	30%
Section B	Continuous assessment	40%
Grand Total		100%

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

b) Dissertation (Oral Maxillofacial Pathology & Oral Medicine) examination

The components of the Dissertation (Oral Maxillofacial Pathology & Oral Medicine) examination shall be as follows:

Component	Assessment
Dissertation evaluation	Pass/Fail (refer below for grading)
<i>Viva Voce</i>	

Candidates are required to attend the viva voce for the Dissertation.

Marks and grades will not be given in the dissertation examination.

Candidates have to satisfy the requirements for this part of the programme.

c) Final Professional Examination

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

	Component	Allocation of Marks (Maximum)
Section A	Viva voce (clinical and practical)	60%
Section B	Continuous assessment	40%
Grand Total		100

3) Examination Assessment

Marking Scheme

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

Marks	Grade	Grade Point	Meaning
90.00 -100.00	A+	4.00	High Distinction
80.00 – 89.99	A	4.00	Distinction
75.00 – 79.99	A-	3.70	
70.00 – 74.99	B+	3.30	Pass
65.00 – 69.99	B	3.00	
60.00 – 64.99	B-	2.70	Fail
55.00 -59.99	C+	2.30	
50.00 – 54.99	C	2.00	
45.00 – 49.99	C-	1.70	
40.00 – 44.99	D+	1.30	
35.00 – 39.99	D	1.00	
00.00 – 34.99	F	0.00	

- b) For the Professional 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.

- c) For the Dissertation (Oral Maxillofacial Pathology & Oral Medicine) Examination:

The committee of examiners shall consider the examiner reports for dissertation, candidate dissertation and *viva voce* examination according to **University of Malaya Rules and Regulations (Doctorate Degree) 2019** to recommend whether the candidate

- 
- i) will be awarded a distinction
 - ii) has achieved sufficient academic merit to be awarded a pass to the course without the need to make amendments/corrections.
 - iii) has achieved sufficient academic merit to be awarded a pass to the course subject to the candidate making minor corrections in a period not exceeding three (3) months and confirmed by the supervisor.
 - iv) has achieved sufficient academic merit to be awarded a pass to the course subject to the candidate making major corrections in a period not exceeding six (6) months and confirmed by the supervisor and internal examiner.
 - v) is required to do further research and submit a dissertation for re-examination within six (6) to twelve (12) months.
 - vi) does not achieve academic merit and recommends to the committee of examiners that the candidate has failed in dissertation examination and is not allowed to submit a dissertation for re-examination.

4) Requirements for Passing an Examination

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

a) Professional Examination I

65% or more of the marks for Section A and Section B and 65% or more of the aggregate combined marks for Section A and Section B of the Professional I examination.

b) Dissertation (Oral Maxillofacial Pathology & Oral Medicine) Examination

- i) is awarded a distinction
- ii) has achieved sufficient academic merit to be awarded a pass to the course without the need to make amendments/corrections.

- 
- iii) has achieved sufficient academic merit to be awarded a pass to the course subject to the candidate making minor corrections in a period not exceeding three (3) months and confirmed by the supervisor.
 - iv) has achieved sufficient academic merit to be awarded a pass to the course subject to the candidate making major corrections in a period not exceeding six (6) months and confirmed by the supervisor and internal examiner.

(c) Final Professional Examination

65% or more of the marks for Section A and Section B and 65% or more of the aggregate combined marks for Section A and Section B of the Professional examination II.

5) Repeating an Examination

a) Professional examination I Re-Examination

- (i) A candidate who has failed the professional examination I shall be required to repeat the professional examination I 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) In a Professional examination I Re-examination, the candidate is required to re-sit only the Professional examination I and shall be deemed to have passed the continuous assessment with a highest grade B after attaining at least 65% marks in Section B.
- (iii) A candidate who fails the Professional examination I twice consecutively shall be terminated from the Doctor in Oral Maxillofacial Pathology & Oral Medicine (DrOMPPathMed) degree programme and be refused re-admission to the programme.

b) Dissertation (Oral Maxillofacial Pathology & Oral Medicine) Re-Examination

- (i) A candidate's dissertation that is deemed unsatisfactory 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 dissertation for re-examination.

(ii) A candidate who failed to submit his/her dissertation by the end of a prescribed period for corrections or re-examination or whose dissertation after re-submission, fails to satisfy the Committee of Examiners, shall be deemed to have failed the re-examination in the dissertation.

c) Professional examination II Re-Examination

(i) A candidate who has failed the Professional examination II shall be required to re-sit the Professional examination II.

(ii) A candidate who has failed the Professional examination II re-examination twice consecutively shall be terminated from the Doctor in Oral Maxillofacial Pathology & Oral Medicine (DrOMPPathMed) degree programme and be refused readmission to the programme except in special circumstances on the recommendation of the Faculty of Dentistry and with the approval of the Senate.

(iii) A candidate who has passed the re-examination for the examinations mentioned above shall be deemed to have passed the prescribed examinations.

11. AWARD OF PASS WITH DISTINCTION FOR THE EXAMINATION

A candidate may be awarded a pass with Distinction in the Professional examination I or the Professional examination II if he/she has:

- a) obtained 90% or more of the aggregate combined marks of the components and at least 75% 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.

12. AWARD OF THE DEGREE

A candidate may be awarded the degree of Doctor in Oral Maxillofacial Pathology & Oral Medicine (DrOMPPathMed) if he/she has:

- a) passed the Professional examination I, Dissertation (Oral Maxillofacial Pathology & Oral Medicine) and Professional examination II for the degree of Doctor in Oral Maxillofacial Pathology & Oral Medicine (DrOMPPathMed) as prescribed above; and
- b) satisfactorily fulfilled the requirements of the Research Methodology course.

14. AWARD OF THE DEGREE WITH DISTINCTION

A candidate may be awarded the degree of Doctor in Oral Maxillofacial Pathology & Oral Medicine (DrOMPPathMed) (with Distinction) if he/she has:

- a) passed with Distinction in the Professional examination I, Dissertation (Oral Maxillofacial Pathology & Oral Medicine) and Professional examination II for the degree of Doctor in Oral Maxillofacial Pathology & Oral Medicine (DrOMPPathMed) as prescribed above; and
- b) not repeated the Professional examination I, Dissertation (Oral Maxillofacial Pathology & Oral Medicine) examination or the Professional examination II or any part of the programme of study leading to Professional examination I, the Dissertation (Oral Maxillofacial Pathology & Oral Medicine) examination or the Professional examination II except on medical or compassionate grounds acceptable to the Faculty.
- c) not failed any component of the prescribed examinations; and
- d) completed the programme of study in a period not exceeding six (6) ordinary semesters from the initial semester of candidate registration.

DOCTOR IN ORTHODONTICS

MODE: BY CLINICAL COURSEWORK

1. PROGRAMME OF STUDY

The Doctor in Orthodontics (DrOrth) is a 3-year, full-time programme with 30% research component, designed for dental graduates with a master degree who wish to pursue specialist training in Orthodontics. The course aims to produce specialists in the discipline of Orthodontics who are knowledgeable, clinically and technically competent to practice Orthodontics at an advanced level, socially responsible and are able to function effectively as members of the healthcare delivery system and who adhere to the highest standards of professional ethics and conduct.

2. ADMISSION REQUIREMENTS

1. Minimum requirement:

- a) Obtained recognised bachelor's degree or an equivalent degree in Dentistry with Master of Oral Sciences with elective on Orthodontics from University of Malaya or equivalent
- b) and have at least two (2) years post registration clinical experience in dentistry

2. Registered with the Malaysian Dental Council (MDC) and holds a current Annual Practising Certificate (APC) or registered with dental regulatory body in another country and eligible to be granted a Temporary Practising Certificate (TPC) by the MDC.

3. Other requirements:

- a) Pass the interview (exemption may be given for candidates who have obtained the degree from the Master of Oral Science, UM)
- b) Fulfil the requirements for admission as prescribed by the Faculty.

4. English Language Requirement for Malaysian and non-Malaysian candidates with foreign dental degree (any ONE of the followings):

- i. Score a minimum of 550 (written paper), score 213 (computer test) or score of 80 (internet test) in the Test of English as a Foreign Language (TOEFL);

- 
- ii. Obtain at least Band 6 in the International English Language System (IELTS);
 - iii. Pearson Test of Academic English (PTE Academic) with minimum score of 42;
 - iv. English Language subject at A-level with Grade C and above
 - v. Cambridge English: First (FCE) grade C and above
 - vi. Cambridge English: Advance (CAE) Grade C and above
 - vii. Cambridge English: Proficiency (CPE) Grade C and above
 - viii. Malaysian University English Test (MUET) with minimal band 4
5. *Bahasa Malaysia* Requirement for Malaysian and non-Malaysian candidates with foreign dental degree (any ONE of the followings):
- i. pass in Bahasa Malaysia or Bahasa Melayu at the Sijil Pelajaran Malaysia level;
 - ii. level III in the Sijil Bahasa Malaysia or Bahasa Melayu Universiti or at an equivalent level; or
 - iii. pass the Bahasa Malaysia or Bahasa Melayu exemption assessment as set by the University; or
 - iv. pass the Bahasa Malaysia or Bahasa Melayu exemption assessment as set by the University, for non-citizen candidates.
 - v. The *Bahasa Malaysia* or *Bahasa Melayu* requirement may be waived for a candidate who has pursued a programme of study and has been conferred a degree from a Local and Private Institute of Higher Learning where the medium of instruction used was the national language.

3. DURATION OF STUDY

This programme shall extend over a minimum period of six (6) semesters and a maximum period of eight (8) semesters.

4. STRUCTURE OF PROGRAMME OF STUDY

(1) Programme Learning Outcomes:

At the end of the Doctor in Orthodontics programme, the graduates must be able to:

- (i) Integrate scientific evidence-based knowledge in managing and solving problem in Orthodontics.
- (ii) Manage clinical problems related to orthodontic leading to planning and execute the treatment prescribed.
- (iii) Perform rapport with the dental team and partnerships with relevant industry and the community in promoting oral health and orthodontic treatment.
- (iv) Integrate the relevant legal requirements and professional ethics to the practice of Orthodontics by demonstrating good values and attitudes in patient management and other professional activities.
- (v) Communicate effectively with colleagues, other healthcare professionals, relevant agencies, patients and the community; and practice good leadership and effective team working skills in promoting oral health.
- (vi) Critically appraise and utilize advances in scientific knowledge and technology in decision-making pertaining to evidence-based patient care, design and execute research and disseminate its output in the specialty of Orthodontics.
- (vii) Integrate information for lifelong learning working towards clinical reasoning and professional skills in solving problems at the patient and community level.

(2) This programme shall consist of the following:

(a) Faculty Core course

(i) Research Methodology course (DVX 8001)

This course comprises of mid and advance level of Research Methodology and Biostatistics components. Students will be trained in research methodology and principles in conducting clinical and basic research. Research Methods will include issues on field, clinical and



laboratory studies. Concepts in biostatistics will be covered and supplemented with hands-on session using statistical software. The students will be taught statistical methods commonly employed to enable them to perform analysis, correct interpretation and presentation of data. Students will be trained in the application of information technology for research purposes.

(b) Programme Core Courses

(i) Dissertation (Orthodontic) (DYH 8002)

This course encompasses all aspects of research from development of a research proposal to submission of a research write-up in the form of research dissertation. An experienced supervisor in research will supervise the trainee in the speciality of Orthodontics. They will be able to independently conduct research work in the 1st year to 3rd year in accordance to ethics and moral in research. At the early of semester 1 of the final year, they will be able to submit their research write up for critical evaluation by internal and external examiners and able to defend their research output. In due process they may be able to send their research for publication in either local or international journal.

(ii) Orthodontic (DYH 8003)

Clinical training will start with seminars, clinical session, journal club and multidisciplinary combined clinics in the Year I and continues up to Year III. This speciality training in orthodontic involves theoretical and clinical instructions in orthodontic treatment and their scientific basis. Laboratory techniques and procedures are included to complement the clinical management of patients. Emphasis is also placed on the relationship of oral and maxillofacial surgery, periodontology, prosthodontics, endodontic, paediatric dentistry and other relevant clinical disciplines to orthodontics. The course will also involve clinical audit to enhance the quality of care for the patients.

Training is also aimed to provide adequate knowledge and experience in designing and conducting a research project to demonstrate the application of scientific methods to a problem relevant to orthodontics. The students are required to undergo clinical attachment or clinical observerships for about 8 to 9 weeks at recognised orthodontic centres abroad such as the United Kingdom in the second semester of 2nd year. In summary this programme is designed to prepare a higher clinical doctorate programme in orthodontics for the dental graduates.



This course is also designed to prepare students for the Membership in Orthodontics of the Royal Colleges of Surgeons in United Kingdom.

- (c) 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 one week before the class begins, within the registration week. Candidates who do not complete the registration within that period are not allowed to follow the course.

6. ACADEMIC SUPERVISION

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.

7. FIELD OF RESEARCH

- (i) The determination of the field of research shall be done prior to the candidate's embarkation on research work.
- (ii) The candidate is required to satisfactorily complete the research proposal presentation and candidature defense during the course of the research project.

8. SUBMISSIONS

- (i) A candidate shall submit his/her research report at least ONE month before the commencement date of Dissertation (Orthodontics) examination or by the date prescribed by the department.
- (ii) A candidate shall submit his/her case reports at least ONE month before the commencement date of the Final Professional examination or by the date prescribed by the department.
- (iii) A candidate shall submit his/her logbook by the date prescribed by the department prior to the examination.



9. EXAMINATION

1) The examinations leading to the degree of Doctor in Orthodontics (DrOrth) by clinical coursework shall be the:

a) Research Methodology (DVX8001)

The Research Methodology examination shall be held at the end of Semester 1, Year 1 of the programme of study.

b) Dissertation (Orthodontics) DYH8002

- The examination for Dissertation (Orthodontics) shall be held at the end of Semester 1, Year 3 of the programme of study. No candidate shall be permitted to sit for the Dissertation (Orthodontics) examination unless he/she has:
- satisfactorily completed the (i) research proposal presentation, and (ii) candidature defense presentation.
- submitted his/her Dissertation not later than **ONE** month before the Dissertation (Orthodontics) examination.

c) Final Professional Examination

- i. The Final Professional examination shall be held at the end of Year 3 of the programme of study. No candidate shall be permitted to proceed to the Final Professional examination unless he has:
 - attain at least 65% in Component A (Continuous Assessment) before a candidate is allowed to sit for Component B of the Final Professional Examination.
 - submitted his/her case reports and logbook for examination by the date prescribed by the department prior to the Final Professional examination.



2) Examination Components and Allocation of Marks

a) Research Methodology (DVX8001)

The components of the research methodology course and the marks to be allocated to each component shall be as follows:

Component	Subcomponent	Weightage
A	Assignment report	50%
B	Examination	50%

To pass the course, the candidate must obtain 65% or more of the marks for each component.

b) Dissertation (Orthodontics) (DYH8002)

The components of the Dissertation (Orthodontics) examination shall be as follows:

Component	Assessment
Dissertation evaluation	Pass/Fail (refer below for grading)
<i>Viva Voce</i>	

Candidates are required to satisfy the requirements of the Faculty/University for this part of the programme and attend the viva voce for the Dissertation.

c) Final Professional Examination (DYH8003)

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

Component	Subcomponent	Methods	Allocation of Marks (Maximum)
A	Continuous assessment (<u>Year I</u>)	i. OSCE (10%) ii. Written test (10%)	20%
	Continuous assessment (<u>Year II</u>)	Written test (10%)	10%
	Continuous assessment (<u>Year III</u>)	Structural clinical reasoning (10%)	10%
	Total		40%
B	Theory paper		20%
	Clinical/Practical	OSCE	10%
		Clinical case history	10%
		Structural clinical reasoning	10%
		General viva	10%
	Total		60%
Grand Total			100%

3) Examination Assessment

Marking Scheme

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

Marks	Grade	Grade Point	Meaning
90.00 -100.00	A+	4.00	High Distinction
80.00 – 89.99	A	4.00	Distinction
75.00 – 79.99	A-	3.70	
70.00 – 74.99	B+	3.30	Pass
65.00 – 69.99	B	3.00	
60.00 – 64.99	B-	2.70	Fail
55.00 -59.99	C+	2.30	
50.00 – 54.99	C	2.00	
45.00 – 49.99	C-	1.70	
40.00 – 44.99	D+	1.30	
35.00 – 39.99	D	1.00	
00.00 – 34.99	F	0.00	

- b) For the Dissertation (Orthodontics) Examination:

The committee of examiners shall consider the examiner reports for dissertation, candidate dissertation and *viva voce* examination according to **University of Malaya Rules and Regulations (Doctorate Degree) 2019** to recommend whether the candidate

- i) will be awarded a distinction
- ii) has achieved sufficient academic merit to be awarded a pass to the course without the need to make amendments/corrections.
- iii) has achieved sufficient academic merit to be awarded a pass to the course subject to the candidate making minor corrections in



a period not exceeding three (3) months and confirmed by the supervisor.

- iv) has achieved sufficient academic merit to be awarded a pass to the course subject to the candidate making major corrections in a period not exceeding six (6) months and confirmed by the supervisor and internal examiner.
- v) is required to do further research and submit a dissertation for re-examination within six (6) to twelve (12) months.
- vi) does not achieve academic merit and recommends to the committee of examiners that the candidate has failed in dissertation examination and is not allowed to submit a dissertation for re-examination.

4) Requirements for Passing an Examination

a) Research Methodology (DVX8001)

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

At least 65% marks for each of the component (A and B); and 65% or more of the aggregate marks for both component A and component B.

b) Dissertation (Orthodontics) (DYH8002)

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

- i) has achieved sufficient academic merit to be awarded a distinction; or a pass without the need to make amendments/corrections; or a pass subject to the candidate making minor/major corrections in a period not exceeding the time stipulated by the committee of examiners and confirmed by the supervisor(s) and internal examiner (where required) (see above); AND
- ii) presented the research finding at least once in any research conference; AND
- iii) has submitted a manuscript in a peer reviewed publication (indexed as determined by the Faculty/University).



(c) Final Professional Examination (DYH8003)

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

- i) at least 65% in Component A (Continuous Assessment).
- ii) at least 65% for each of the component B, that is subcomponent 1 and subcomponent 2 separately. The aggregate mark for subcomponent 1 and subcomponent 2 must be at least 65%.

5) Repeating an Examination

a) Research Methodology (DVX8001) Re-Examination

A candidate who has not achieved the requirement shall be required to re-sit the examination and obtain at least 65% mark, within the same candidature period.

b) Dissertation (Orthodontics) (DYH8002) Re-Examination

- (i) A candidate's dissertation that is deemed unsatisfactorily by the Committee of Examiners may be referred for further work over periods 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 dissertation for re-examination.
- (ii) A candidate who failed to submit his/her dissertation by the end of a prescribed period for re-examination or whose dissertation failed to satisfy the Committee of Examiners after re-submission, shall be deemed to have failed the re-examination in the Research (Orthodontics).
- (iii) A candidate shall not be permitted to submit the dissertation for re-examination on more than two occasions.
- (iv) A candidate who fails the Dissertation re-examination on the second occasion shall be deemed to have failed the Dissertation 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.

- 
- (v) A candidate can still sit for the Final Professional Examination of the Orthodontics course if he/she has not passed this Dissertation course, however he/she cannot graduate.
- c) Final Professional (DYH8003) Re-Examination
- (i) A candidate who has failed any of the subcomponents of Component A of the Final Professional Examination may be granted a provisional pass in the subcomponent that he has passed and be required to re-sit on at most two occasions, only the subcomponent that he 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. A candidate who failed Component A (that is failed any or all of the subcomponents) is not allowed to take Component B of the Final Professional Examination.
- (ii) A candidate who has failed Component B (that is failed either subcomponent 1 or subcomponent 2 or both) of the Final Professional Examination may be permitted for 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. The candidate who failed must be re-examined for both subcomponent 1 and subcomponent 2 of Component B in one seating.
- (iii) The Final Professional Re-examination shall be assessed and graded in the same manner as prescribed for the main Final Professional Examination. The candidate is not required to re-sit Component A if deemed to have passed this component (must achieved at least 65%). The marks of the Final Professional Re-examination will only be based on Component B.
- (iv) A candidate who fails the Final Professional Re-examination on the second occasion shall be deemed to have failed the Final Professional 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.



12. AWARD OF PASS WITH DISTINCTION FOR THE EXAMINATION

A candidate may be awarded a pass with Distinction in the Final Professional examination if he/she has:

- a) obtained 90% or more of the aggregate marks of the components and at least 75% or more of the marks of each component in the prescribed examinations;
- b) not failed any component/subcomponent 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.

13. AWARD OF THE DEGREE

A candidate may be awarded the degree of Doctor in Orthodontics (DrOrth) if he/she has:

- a) Satisfactorily fulfilled the requirements for course in Research Methodology
- b) Satisfied the Board of Examiners for the Dissertation (Orthodontics)
- c) Passed the Final Professional Examination for the degree of Doctor in Orthodontics

AND achieved the other Requirements below:

- a) Presented research finding at least once in any research conference.
- b) Submitted at least one (1) manuscript/article related to the research to journal indexed by Web of Science (WoS); or Scopus citation database.
- c) Satisfactory completion of a Clinical Audit related to Orthodontics.
- d) Satisfactory completion of Clinical Attachment as prescribed by the Committee of the Discipline and approved by the Dean.

15. AWARD OF THE DEGREE WITH DISTINCTION

A candidate may be awarded the degree of Doctor in Orthodontics (DrOrth) (with Distinction) if he/she has:

- e) passed with at least Distinction in the Research Methodology course; AND awarded a distinction in the Dissertation (Orthodontics) course; AND passed with Distinction in the Final Professional examination for the degree of Doctor in Orthodontics (DrOrth) as prescribed above; and
- f) not repeated the Research Methodology examination, Dissertation (Orthodontics) examination or the Final Professional examination or any part of the programme of study leading to the Dissertation (Orthodontics) examination or the Final Professional examination except on medical or compassionate grounds acceptable to the Faculty.
- g) Not failed any component/subcomponent of the prescribed examinations; and
- h) completed the programme of study in a period not exceeding six (6) ordinary semesters from the initial semester of candidate registration.

DOCTOR IN PERIODONTOLOGY

MODE: BY CLINICAL COURSEWORK

1. PROGRAMME OF STUDY

The Doctor in Periodontology (DrPerio) is a 3-year full time programme that offers specialty training in the field of periodontology. This programme is a new standard specialist training as agreed by the Joint Technical Committee for Evaluation for Dental Specialty Programme (JTCEDSP) and the Malaysian Qualifying Agency (MQA). The programme has been carefully arranged and structured, for a specified duration of time and volume of learning by coursework, to prepare the candidates with adequate clinical knowledge and skills in the field of periodontology. This programme will train local and foreign general dental practitioners to become periodontists who are competent and able to function as dental specialists. This vision can be achieved through research, innovation, publication and teaching of international standard. The programme will also advance knowledge, teaching and learning in periodontology through quality research and education for the nation and for humanity.

2. ADMISSION REQUIREMENTS

- (1) Bachelor of Dental Surgery or an equivalent degree in Dentistry AND A Master degree in Oral Science or equivalent Master degree from local and foreign universities AND have at least two (2) years Bachelor degree post registration clinical experience in dentistry, which excludes the training period during the master programme.
- (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 (exemption may be given for candidates who have obtained the degree from the Master of Oral Science, University of Malaya); 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) Obtain a score of 550 for a total based on the paper, a score of 213 for a total based on the computer or a score of 80 for a total based on the internet for the Test of English as a Foreign Language (TOEFL);
OR
 - (b) Obtained a minimum score of band 6 or band according to 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 minimal band 5

3. DURATION OF STUDY

This programme shall extend over a minimum period of six (6) semesters and a maximum period of eight (8) semesters.

4. STRUCTURE OF PROGRAMME OF STUDY

(1) Programme Learning Outcomes:

At the end of the programme, graduates are able to:

- (a) Synthesize knowledge in the field of periodontology.
- (b) Adapt evidence based clinical procedures towards proficient patient management in the field of periodontology.
- (c) Conduct research independently.
- (d) Provide expert advise in the discipline of periodontology to society.

- 
- (e) Adhere to laws, ethics and professional code of practice.
 - (f) Display leadership qualities expertise through communication and teamwork with peers and stake holders.
 - (g) Generate solutions to problems using scientific and critical thinking skills in the field of periodontology.
 - (h) Exhibit attributes of independent lifelong learners.
 - (i) Display skills in clinical governance.
- (2) This programme shall consist of the following:
- (a) Faculty Core course
 - (i) Research Methodology course (DVX 8001)

This course comprises of mid and advance level of Research Methodology and Biostatistics components. Students are introduced to relevant research methodology and principles in conducting clinical, applied and basic research. Concepts in biostatistics are covered and supplemented with hands-on session using statistical software which enables students to perform relevant analysis, correct interpretation and presentation of data. The course also provides opportunities for students to practice intellectual thinking and scientific writing.

(b) Programme Core Courses

- (i) Dissertation (Periodontology) (DYF 8002)

The learning strategies include writing research proposal, completing ethical and grant application, conducting research and writing the dissertation. Formative assessment includes continual monitoring of research progress via research presentation and progress report by the appointed supervisors.

- (ii) Periodontology I (DYF 8003) and Periodontology II (DYF 8004)

The learning strategies include a combination of conventional and non-conventional teaching and learning activities such as simulation, lecture, seminar, clinical session, journal club, assignment and assignment presentation, case report and case presentation, undergraduate clinical supervision and clinical audit.

- 
- (c) 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 one week before the class begins, within the registration week. Candidates who do not complete the registration within that period are not allowed to follow the course.

6. ACADEMIC SUPERVISION

- (i) 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.
- (ii) The consultant appointed to the candidate at centers of attachment shall submit a report on the candidature clinical progress to the Head of Department at the end of each posting and/or six months' interval for a posting longer than six months.

7. FIELD OF RESEARCH

- (i) The determination of the field of research shall be done prior to the candidate's embarkation on research work.
- (ii) The candidate is required to satisfactorily complete the research proposal presentation and candidature defense during the course of the research project.

8. SUBMISSIONS

- (i) A candidate shall submit his/her research report at least ONE month before the commencement date of Dissertation (Periodontology) examination or by the date prescribed by the department.
- (ii) A candidate shall submit his/her case reports at least ONE month before the commencement date of Part I and Final Professional examination or by the date prescribed by the department.
- (iii) 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 Doctor in Periodontology (DrPerio) by clinical coursework shall be the:

a) Part I Professional examination

The Part I Professional examination shall be held at the end of Year 2 of the programme of study. No candidate shall be permitted to sit for the Part I Professional examination unless he/she has:

- obtained at least 65% marks of the continuous assessment component of the Part I Professional examination.
- submitted his/her case reports for examination not later than **ONE** month before the Part I Professional examination.

b) Dissertation (Periodontology)

The examination for Dissertation (Periodontology) shall be held at the end of Semester 1, Year 3 of the programme of study. No candidate shall be permitted to sit for the Dissertation (Periodontology) examination unless he/she has

- satisfactorily completed the research proposal presentation and candidature defense presentation.
- submitted his/her Dissertation not later than **ONE** month before the Dissertation (Periodontology Dentistry) examination.

c) Final Professional Examination

The Final Professional examination shall be held at the end of Year 3 of the programme of study. No candidate shall be permitted to proceed to the Final Professional examination unless he has:

- passed the Part I Professional examination.; and
- obtained at least 65% marks of the continuous assessment (Section A) component of the Final Professional examination.
- submitted his/her case reports and logbook for examination by the date prescribed by the department prior to the Final Professional examination.

2) Examination Components and Allocation of Marks

a) Part I Professional Examination

The components of the Part I Professional examination and the marks to be allocated to each section shall be as follows:

Component	Subcomponent	Allocation of Marks (Maximum)
Section A	Continuous assessment (a) Case Presentation – 25% (b) Assignment – 25% (c) Theory/Written – 25% (d) Year 1, Summative Assessment – 25%	40%
Section B	Professional Examination (a) Theory/Written – 50% (b) Clinical Exam & Clinical Case Report – 25% (c) Viva Voce – 25%	60%
Grand Total		100%

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

b) Dissertation (Periodontology) examination

The components of the Dissertation (Periodontology) examination shall be as follows:

Component	Assessment
Dissertation evaluation	Pass/Fail (refer below for grading)
<i>Viva Voce</i>	

Candidates are required to attend the viva voce for the Dissertation. Marks and grades will not be given in the dissertation examination.

Candidate has to satisfy the requirements for this part of the programme.

c) Final Professional Examination

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

Component	Subcomponent	Allocation of Marks (Maximum)
Section A	Continuous assessment (a) Case Presentation – 20% (b) Assignment – 40% (c) Theory/Written – 40%	40%
Section B	Professional Examination (a) Theory/Written – 50% (b) Clinical Exam & Case Report – 25% (c) Viva Voce – 25%	60%
Grand Total		100%

3) Examination Assessment

Marking Scheme

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

Marks	Grade	Grade Point	Meaning
90.00 -100.00	A+	4.00	High Distinction
80.00 – 89.99	A	4.00	Distinction
75.00 – 79.99	A-	3.70	
70.00 – 74.99	B+	3.30	Pass
65.00 – 69.99	B	3.00	
60.00 – 64.99	B-	2.70	Fail
55.00 -59.99	C+	2.30	
50.00 – 54.99	C	2.00	
45.00 – 49.99	C-	1.70	
40.00 – 44.99	D+	1.30	
35.00 – 39.99	D	1.00	
00.00 – 34.99	F	0.00	



b) For the Part I Professional 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.

c) For the Dissertation (Periodontology) Examination:

The committee of examiners shall consider the examiner reports for dissertation, candidate dissertation and *viva voce* examination according to **University of Malaya Rules and Regulations (Doctorate Degree) 2019** to recommend whether the candidate

- i) will be awarded a distinction
- ii) has achieved sufficient academic merit to be awarded a pass to the course without the need to make amendments/corrections.
- iii) has achieved sufficient academic merit to be awarded a pass to the course subject to the candidate making minor corrections in a period not exceeding three (3) months and confirmed by the supervisor.
- iv) has achieved sufficient academic merit to be awarded a pass to the course subject to the candidate making major corrections in a period not exceeding six (6) months and confirmed by the supervisor and internal examiner.
- v) is required to do further research and submit a dissertation for re-examination within six (6) to twelve (12) months.
- vi) does not achieve academic merit and recommends to the committee of examiners that the candidate has failed in dissertation examination and is not allowed to submit a dissertation for re-examination.



4) Requirements for Passing an Examination

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

a) Part I Professional Examination

Candidate must attain at least 65% in Sections A and B respectively, and 65% of the aggregate combined marks for Sections A and B to obtain a pass.

b) Dissertation (Periodontology) Examination

- i) is awarded a distinction
- ii) has achieved sufficient academic merit to be awarded a pass to the course without the need to make amendments/corrections.
- iii) has achieved sufficient academic merit to be awarded a pass to the course subject to the candidate making minor corrections in a period not exceeding three (3) months and confirmed by the supervisor.
- iv) has achieved sufficient academic merit to be awarded a pass to the course subject to the candidate making major corrections in a period not exceeding six (6) months and confirmed by the supervisor and internal examiner.

(c) Final Professional Examination

Candidate must attain at least 65% in Sections A and B respectively, and 65% of the aggregate combined marks for Sections A and B to obtain a pass.

5) Repeating an Examination

a) Part I Professional Re-Examination

- (i) Candidate who has not achieved the above requirement shall be required to repeat the Part I Professional Examination in the next academic year.



(ii) Continuous assessment marks shall be determined based on the clinical schedule and other assessment activities assigned to the repeat candidate which will be set by the department.

(iii) Candidate must attain at least 65% in Sections A and B respectively, and 65% of the aggregate combined marks for section A and B to obtain a pass.

b) Dissertation (Periodontology) Re-Examination

(i) A candidate's dissertation 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 dissertation for re-examination.

(ii) A candidate who failed to submit his/her dissertation by the end of a prescribed period for corrections or re-examination or whose dissertation after re-submission, fails to satisfy the Committee of Examiners, shall be deemed to have failed the re-examination in the dissertation.

c) Final Professional Re-Examination

(i) Candidate who has not achieved the above requirements shall be required to repeat the Final Professional Examination, provided has not exceeded the maximum candidature period.

(ii) Continuous assessment marks shall be determined based on the clinical schedule and other assessment activities assign to the repeat candidate which will be set by the department.

(iii) A candidate who failed the Final Professional Examination and has exceeded the maximum candidature period will be deemed as failed out.



10. AWARD OF PASS WITH DISTINCTION FOR THE EXAMINATION

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

- a) obtained 90% or more of the aggregate combined marks of the components and at least 75% 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 Doctor in Periodontology (DrPerio) if he/she has:

- a) passed the Part I Professional examination, Dissertation (Periodontology) and Final Professional examination for the degree of Doctor in Periodontology (DrPerio) as prescribed above; and
- b) satisfactorily fulfilled the requirements of the Research Methodology course.

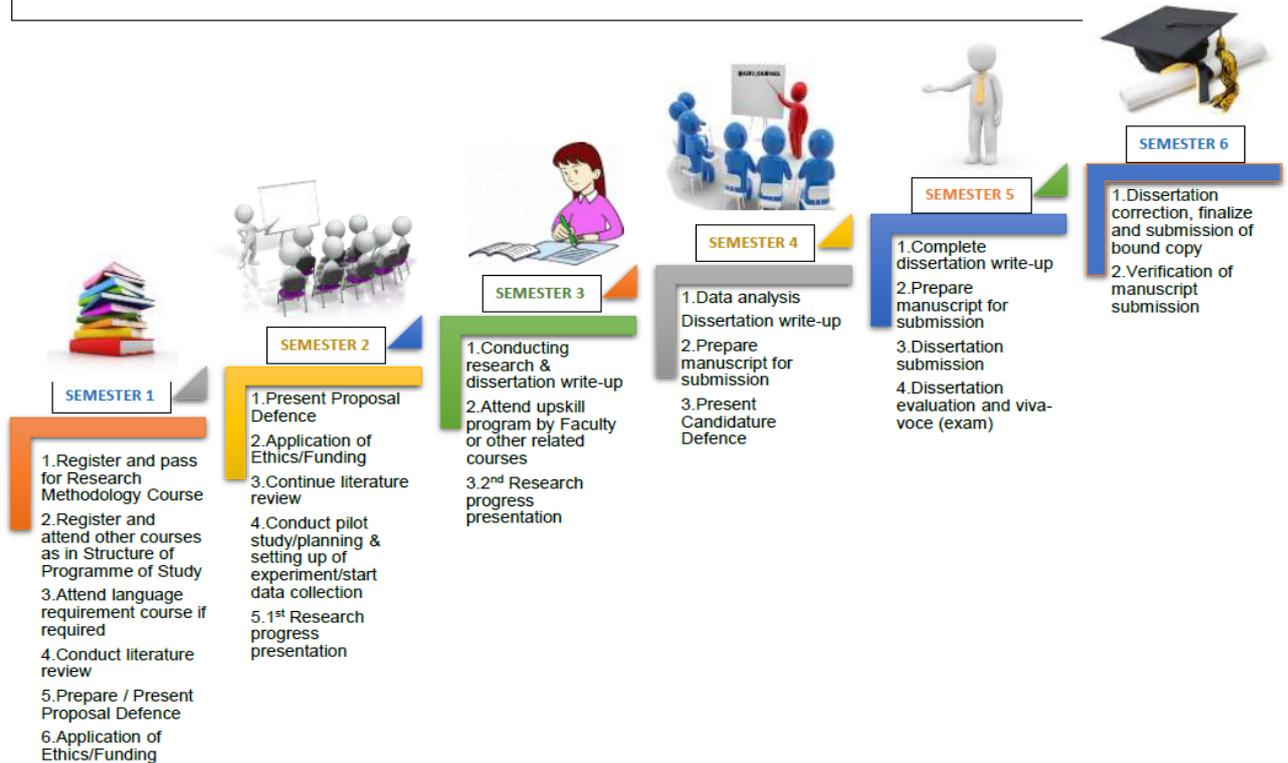
12. AWARD OF THE DEGREE WITH DISTINCTION

A candidate may be awarded the degree of Doctor in Periodontology (DrPerio) (with Distinction) if he/she has:

- a) passed with Distinction in the Part I Professional examination, Dissertation (Periodontology) and Final Professional examination for the degree of Doctor in Periodontology (DrPerio) as prescribed above; and
- b) not repeated the Part I Professional examination, Dissertation (Periodontology) examination or the Final Professional examination or any part of the programme of study leading to Part I Professional examination, the Dissertation (Periodontology) examination or the Final Professional examination except on medical or compassionate grounds acceptable to the Faculty.
- c) Not failed any component of the prescribed examinations; and
- d) completed the programme of study in a period not exceeding six (6) ordinary semesters from the initial semester of candidate registration.

GRADUATE ON TIME (GOT) DISSERTATION SCHEDULE FOR CLINICAL DOCTORATE CANDIDATES

Major Administrative and Regulatory Milestones for Clinical Doctorate Programme



Prepared by | PGO FODUM - 21.6.2022

DOCTOR OF DENTAL PUBLIC HEALTH

MODE: BY MIX MODE

1. PROGRAMME CLASSIFICATION

The Doctorate's Degree programme is a three-year full-time programme by coursework and research with a total of 86 credits; Component I: coursework (19 credits) and Internship (7 credits) as well as Component II: research (60 credits). The coursework is taught in Semester 1 and 2 in Year 1; the research component begins in Semester 2, Year 1 and extends into Semester 5, Year 3 of the programme and the Internship course is conducted in Semester 6, Year 3.

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) Candidates 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:

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) 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 courses, 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 respectively.
 - (b) Elective Course: Candidates are required to take a 3-credit elective course 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 a GPA of 3.0 in the respective semester.
- (2) The details of each of the courses are described in the student's handbook provided by the Department. The following are the programme learning outcomes for the Doctor in Dental Public Health programme:



(3) Programme Learning Outcomes:

- PLO1 - Synthesize knowledge in the field of dental public health to propose various approaches to solving community oral health problems.
- PLO2 - Conduct research to diagnose oral health problems at the individual and community levels as well as to propose and evaluate relevant clinical and community intervention plans.
- PLO3 - Demonstrate the ability to build smart partnerships with agencies / organizations / communities in promoting oral health.
- PLO4 - Adhere to law and professional ethics in dental public health practice as well as demonstrate good attitudes and values in managing community oral health problems.
- PLO5 - Display good leadership quality through strategic communication with colleagues, other healthcare professionals, relevant agencies, patients and the community; and practice effective teamwork in promoting oral health.
- PLO6 - Critically appraise and utilize advances in scientific knowledge and technology for the benefit of the community's oral health.
- PLO7 - Demonstrate the ability to source, collate, manage, summarize and interpret public health information from diverse resources and possess a positive attitude towards lifelong learning.
- PLO8 - Apply managerial skills to the practice of dental public health.

5. COURSE REGISTRATION

Registration of courses shall be completed one week before the class begins, within the registration week. Candidates who do not complete the registration within that period are not allowed to follow the course.

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

8. SUBMISSION OF RESEARCH DISSERTATION

The thesis shall be written in English.

9. EXAMINATION OF CORE AND ELECTIVE COURSES

- 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 (Doctorate Degree) 2017.**
- 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 affective aspects. The assessments include the following:

Continuous assessments

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

- (i) Question & Answer sessions
- (ii) Quizzes
- (iii) Assignments
- (iv) Logbook
- (v) Clinical Case Reports
- (vi) Clinical Audit
- (vii) Community Project Report
- (viii) Seminar (oral) Presentations
- (ix) Field supervisors' assessment



Each core course in the Doctor of Dental Public Health programme has its own weightage each of two types of assessments as shown below.

DWJ 8001 – ADVANCED RESEARCH METHODOLOGY IN HEALTH SYSTEMS

- Continuous Assessment contributes 100% (assignments, oral presentations and proposal presentations)
- Final result will either be PASS or FAIL with GRADES

DWJ 8003 – EVIDENCE BASED PUBLIC HEALTH FOR DENTISTRY

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

DWJ 8004 – COMMUNITY DENTISTRY AND CLINICAL PREVENTION

- Continuous Assessment contributes 100% (clinical preventive logbook, clinical audit and community project report)
- Final result will either be PASS or FAIL with GRADES

DWJ 8005 – INTERNSHIP

- Continuous Assessment contributes 100% (logbook, field supervisors' assessment, oral presentations)
- Final result will either be PASS or FAIL with GRADES

MWA 8005 - HEALTH POLICY AND LEADERSHIP

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

Elective Courses from the Department Social Preventive Department

MWA 8007 – Human Resource Planning and Management (HRPM)

MWA 8015 – Nutrition and Lactation Management (NLM)

MWA 8029 - Statistical Computing (SC)

MWA 8001 – Advanced Research Methods (ARM)

MWA 8014 – Lifetime in Health (LH)

MWA 8023 – Occupational Safety Health in Management System (OSHMS)

MWA 8027 – Epidemiology of Non-Communicable Diseases (ENCD)

MWA 8028 – Analysis of Rates and Ratios (ARR)

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

a) Grading Scheme

Marks	Grade	Grade Point	Meaning
90.00 -100.00	A+	4.00	High Distinction
80.00 – 89.99	A	4.00	Distinction
75.00 – 79.99	A-	3.70	
70.00 – 74.99	B+	3.30	Pass
65.00 – 69.99	B	3.00	
60.00 – 64.99	B-	2.70	Fail
55.00 -59.99	C+	2.30	
50.00 – 54.99	C	2.00	
45.00 – 49.99	C-	1.70	
40.00 – 44.99	D+	1.30	
35.00 – 39.99	D	1.00	
00.00 – 34.99	F	0.00	

b) Minimum Requirements of Study

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

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

c) 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.

d) Failed and Terminated

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

- (i) 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;
- (ii) He/she has obtained a GPA of less than 3.00 but more than 2.00 for three consecutive normal semesters.
- (iii) 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. EXAMINATION OF THESIS

- (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 Degree) 2019.

11. 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 Rules and Regulations (Doctorate Degree) 2019**.
 - (d) Has shown proof of **at least one accepted manuscript** in SCOPUS/ISI indexed journals.

12. 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;
- (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.

13. 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. PROGRAMME COORDINATOR

Associate Professor Dr. Chen Yeng
Department of Oral & Craniofacial Sciences

2. COURSE COORDINATOR

● Research Methodology (DMX7001):

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

3. PROGRAMME 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.

4. ADMISSION REQUIREMENTS

The Minimum Qualifications for Admission:

- (1) Bachelor of Dental Surgery or equivalent; or
- (2) Bachelor's Degree with honours in any field of Science for candidates who choose a non-clinical field;
- (3) Preference is given to candidates with a CGPA of at least 3.0 or above; or;
- (4) Bachelor of CGPA 2.7 to 2.99 may be considered if it meets at least one of the following criteria:
 - (a) Have at least three (3) years working experience in a related field; or
 - (b) Produce publications in related fields; or
 - (c) Is a scholarship recipient; or
 - (d) Is a graduate of the University of Malaya or;
- (5) Bachelor of CGPA 2.5 to 2.69 may be considered if it meets at least two (2) of the criteria in (a) to (d) above.
- (6) Other qualifications approved by the Senate from time to time.



Other Requirement:

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

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 550 (paper based test); or score of 213 (computer based test) or score of 80 (internet test) in the Test of English as a Foreign Language (TOEFL); OR
- (b) Obtained a minimum score of band 5.5 or band according to 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 minimal band 4

5. DURATION OF STUDY

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

6. 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).



7. 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.

8. 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.

9. 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.



10. SUBMISSIONS

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

11. 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.

12. 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.



13. AWARD OF THE DEGREE

For the purposes of graduation, a candidate

- (a) must attain a pass in his/her dissertation examination;
- (b) must pass the viva voce and other tests that are prescribed;
- (c) is required to publish one (1) article indexed by Thomson Reuters Web of Science Expanded (WoS) prior to graduation;
- (d) fulfil other requirements as prescribed by the Faculty for his/her Master of Dental Science programme; and
- (e) fulfil the language requirements for his/her Master of Dental Science programme.

14. 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
1.	<ul style="list-style-type: none"> ● Attend Research Methodology Course ● Attend Bahasa Melayu course* ● Attend English language course** ● Familiarization with and use of EndNote, Turnitin, editing software, data analysis and research tools ● Attend GOT seminar ● Conduct Literature Review ● Proposal Defence 	<ul style="list-style-type: none"> ● Completed Research Methodology course ● Fulfilment of language requirements ● Presented research proposal
2.	<ul style="list-style-type: none"> ● Expand research proposal to drafts of chapter 1, 2 & 3 ● Conduct pilot study/ planning & setting up of experiment/ start data collection ● Begin data analysis ● Attend at least 2 courses in Upskill Program ● Prepare and present Candidature Defence ● Prepare for Publication 1 	<ul style="list-style-type: none"> ● Completed outline of dissertation ● Submission of Publication 1 ● Completed Candidature Defence
3.	<ul style="list-style-type: none"> ● Finalise chapters 1, 2 & 3 ● Finalise data analysis ● Begin chapter 4 & 5 ● Attend at least 1 course in Upskill Program ● Submit 3 Month's Notice 	<ul style="list-style-type: none"> ● Completed chapters 1, 2 & 3 ● Draft of chapters 4 & 5
4.	<ul style="list-style-type: none"> ● Attend Thesis Bootcamp ● Finalize and submit dissertation ● Committee of Examiners meeting 	<ul style="list-style-type: none"> ● Submission of dissertation ● Outcome of Committee of Examiners meeting.

Notes:

Monitoring Panel

1. Chairman & 1 member who is an expert in the field and a supervisor. A fourth member is allowed to be appointed if necessary.
2. The same panel should follow through the proposal presentation and Candidature Defence
3. It is strongly recommended that one member is appointed as internal examiner.
4. The main responsibilities of the panel should include the following:-
 - (a) Advise the student to improve the research proposal.
 - (b) Monitor the progress of the student
 - (c) 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. PROGRAMME 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 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 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 (Doctorate Degree) Rules and Regulations 2019.
- (2) A candidate has to attend and pass the programme compulsory course, Research Methodology (DYX8001).

5. INITIAL REGISTRATION

A candidate of a PhD'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 for each semester.
 - (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 a 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) candidates must show proof of acceptance for publication of two (2) article in journals indexed by Thomson Reuters Web of Science (WOS) (according to the criteria set in the publication guidelines), prior to graduation.
- (d) fulfil other requirements as prescribed by the Faculty for his/her Doctor of Philosophy programme; and
- (e) 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/she 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"> ● Attend Research Methodology Course ● Attend Bahasa Melayu course* ● Attend English language course** ● Familiarization with and use of EndNote, Turnitin, editing software, data analysis and research tools ● Conduct Literature Review ● Proposal Defence 	<ul style="list-style-type: none"> ● Completed Research Methodology course ● Fulfilment of language requirements ● Presented research proposal 	
2.	<ul style="list-style-type: none"> ● Complete Literature Review ● Conduct pilot study/ planning & setting up of experiment/ start data collection ● Attend at least 3 courses in Upskill Program (including GOT seminar) ● Prepare for Candidature Defence 	<ul style="list-style-type: none"> ● Literature Review ● Thesis Plan/Outline of Thesis ● Submission of Publication 1 (review paper / experimental design) 	<ul style="list-style-type: none"> ● Candidates are strongly advised to use reference management software Eg: Mendeley, Bibtex, EndNote
3.	<ul style="list-style-type: none"> ● Investigation and development of the proposed solutions. ● Data analysis ● Candidature Defence report writing ● Attend at least 2 courses in Upskill Program ● Candidature Defence 	<ul style="list-style-type: none"> ● Completed Candidature Defence 	<ul style="list-style-type: none"> ● Candidature Defence report should include data collection, findings, thesis outline
4.	<ul style="list-style-type: none"> ● Experimentation and/or data analysis ● Thesis write-up (Chapter 1, 2 & 3) ● Preparation of manuscripts for submission of publication ● Attend at least 2 courses in Upskill Program 	<ul style="list-style-type: none"> ● Submission of Publication 2 ● Completed drafts of three chapters 	
5.	<ul style="list-style-type: none"> ● Thesis write-up (complete remaining chapters) ● Presentation of Thesis Seminar ● Submit 3 Months' Notice for thesis submission ● Attend Thesis Bootcamp 	<ul style="list-style-type: none"> ● Completed thesis draft ● Presented Thesis Seminar 	
6.	<ul style="list-style-type: none"> ● Finalize and submit thesis ● Prepare for viva voce 	<ul style="list-style-type: none"> ● Submission of thesis ● Viva voce 	



Notes:
Monitoring Panel

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

1. [\(Doctoral Degree\) Regulations 2019 - *Second Amendment Year 2021*](#)
2. [\(Doctoral Degree\) Rules 2019 - *Second Amendment Year 2021*](#)
3. [\(Master Degree\) Regulations 2019 - *Second Amendment Year 2021*](#)
4. [\(Master Degree\) Rules 2019 - *Second Amendment Year 2021*](#)



*Thank!
You!*