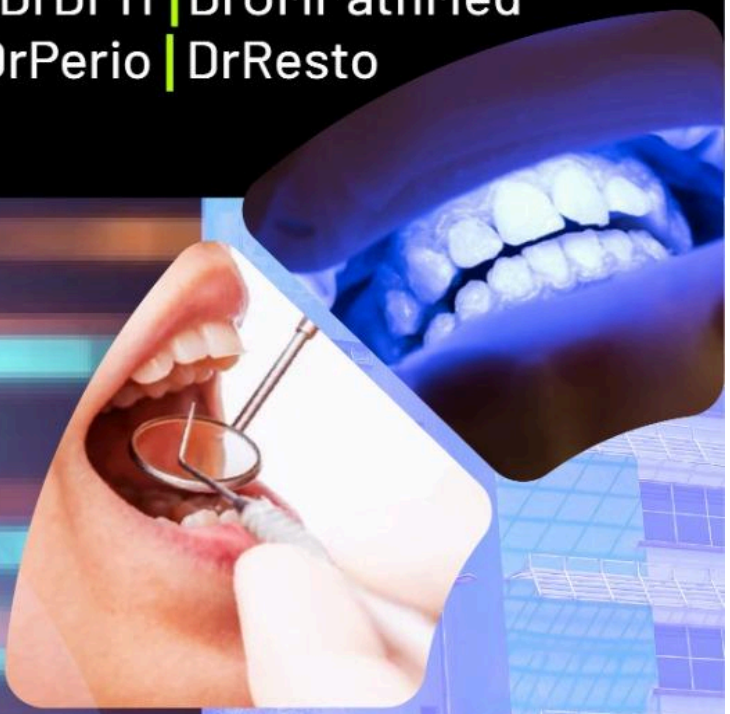
UNIVERSITI MALAYA

POSTGRADUATE HANDBOOK

ACADEMIC SESSION 2026/2027

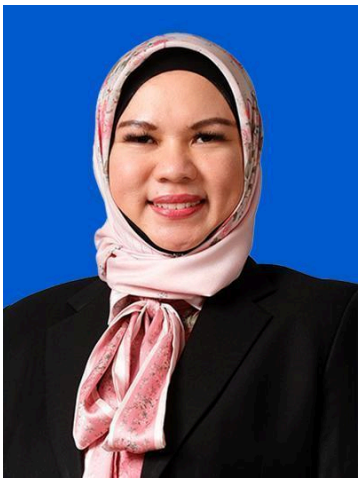
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DrOrth | DrProstho | DrPerio | DrResto





FOREWORD FROM DEPUTY VICE-CHANCELLOR 3
(ACADEMIC & INTERNATIONAL) 3
FOREWORD FROM DEAN 4
FOREWORD FROM DEPUTY DEAN (POSTGRADUATE) 5
MISSION AND VISION 6
ORGANIZATIONAL CHART 7
MANAGEMENT 8
POSTGRADUATE MANAGEMENT OFFICE 10
ACADEMIC CALENDAR 11
LIST OF DEPARTMENTS 14
DEPARTMENT OF RESTORATIVE DENTISTRY 15
DEPARTMENT OF COMMUNITY ORAL HEALTH & 20
CLINICAL PREVENTION 20
DEPARTMENT OF ORTHODONTICS, PAEDIATRIC & SPECIAL CARE DENTISTRY 22
DEPARTMENT OF ORAL AND MAXILLOFACIAL 26
CLINICAL SCIENCES 26
DEPARTMENT OF ORAL & CRANIOFACIAL SCIENCES 29
PROGRAMMES OFFERED 31
PROGRAMMES NOT OFFERED FOR 2026/2027 INTAKE 31
MASTER OF ORAL SCIENCE 32
MASTER OF COMMUNITY ORAL HEALTH 54
DOCTOR IN DENTAL PUBLIC HEALTH 63
DOCTOR IN ORAL MAXILLOFACIAL PATHOLOGY AND ORAL MEDICINE 76
DOCTOR IN ORTHODONTICS 88
DOCTOR IN PROSTHODONTICS 100
DOCTOR IN PERIODONTOLOGY 111
DOCTOR IN RESTORATIVE DENTISTRY 125
MASTER OF DENTAL SCIENCE 138
DOCTOR OF PHILOSOPHY 146
RULES AND REGULATIONS 155

FOREWORD FROM DEPUTY VICE-CHANCELLOR (ACADEMIC & INTERNATIONAL)



Assalamualaikum Warahmatullahi Wabarakatuh.

Alhamdulillah, with the mercy and blessings of Allah S.W.T, it is my privilege to extend a few words for the latest edition of the Postgraduate Handbook of the Faculty of Dentistry. I would like to congratulate the editorial team and all contributors for their tireless effort and dedication in producing this handbook, which will serve as a valuable guide for our postgraduate students in their academic journey.

The Faculty of Dentistry at Universiti Malaya has long been a beacon of excellence, committed to advancing knowledge, research, and clinical expertise in dentistry and oral health sciences. This handbook reflects our continuous effort to provide clear guidance, structured learning, and supportive resources to ensure that every postgraduate student may fully realise their potential in both academic and professional spheres.

Our university upholds the conviction that postgraduate education is more than an academic pursuit; it is a platform to nurture leaders, innovators, and thinkers who will contribute significantly to the advancement of healthcare and society at large. At the Faculty of Dentistry, we encourage our students to cultivate critical thinking, perseverance, and integrity—qualities that will not only enrich personal growth but also contribute meaningfully to the progress of our nation and the wider global community.

In line with Universiti Malaya's vision, we remain dedicated to:

Empowering students with knowledge, creativity, and global perspectives

Promoting interdisciplinary and cutting-edge research for impactful discoveries

Strengthening our role as a hub for international collaboration and academic excellence

I urge all postgraduate students to embrace the opportunities and challenges that lie ahead with an open mind and a strong heart. May your journey here be filled with meaningful experiences, valuable insights, and enduring achievements. With sincerity and dedication from both educators and students, and with the blessings of Allah S.W.T, we pray that this collective effort will bring lasting benefit and become a source of continuous good.

Thank you.

Professor Dr. Hasniza Zaman Huri
Deputy Vice Chancellor (Academic & International)
Universiti Malaya

FOREWORD FROM DEAN



Assalamualaikum Warahmatullahi Wabarakatuh and Greetings.

Dear Postgraduate Students,

It gives me great pleasure to welcome you to the Faculty of Dentistry, Universiti Malaya (UM), as you embark on this important stage of your academic and professional journey. Entering postgraduate study is both a significant achievement and a bold step forward, and we are honoured that you have chosen to pursue this path with us.

This new chapter in your life will challenge you in many ways—through rigorous academic study, advanced clinical training, and opportunities for innovative research. It will also reward you, as you deepen your expertise and contribute to the advancement of oral health care and scientific knowledge. Dentistry today stands at the crossroads of tradition and innovation, and as future specialists, researchers, and leaders, you have an important role to play in shaping its direction.

The Faculty of Dentistry, Universiti Malaya, continues to strengthen its commitment to excellence in postgraduate education and professional training. We are particularly proud of our recent achievement in obtaining accreditation by the Royal College of Surgeons of England (RCS England), reflecting our commitment to maintaining high standards in education, clinical training, and professional development. This achievement further strengthens our position as a leading centre for postgraduate dental education and provides our students with an environment that is benchmarked against internationally recognised standards.

The handbook you hold is designed to be a practical companion throughout your postgraduate journey. Within it, you will find essential information on our programmes, facilities, and resources, along with the expectations and responsibilities that come with being part of our Faculty. I encourage you to use it not only as a guide but also as a reminder of the standards of excellence and professionalism we strive for at UM.

As you progress through your studies, remember that postgraduate education is not a solitary pursuit. Collaboration, collegiality, and mutual support are key to your growth. Engage actively with your mentors, peers, and the wider academic community. The networks and relationships you cultivate here will extend far beyond your time at Universiti Malaya and will enrich both your professional and personal life.

Above all, embrace this opportunity with curiosity and resilience. Push the boundaries of your knowledge, hone your clinical and research skills, and allow yourself to grow into the best version of the professional you aspire to be. The experiences you gain here will not only shape your career but also have a lasting impact on the patients and communities you will serve in the years to come.

On behalf of the Faculty, I welcome you warmly and look forward to witnessing your achievements. May your time with us be filled with discovery, growth, and success.

With best wishes for an inspiring and rewarding journey ahead.

Professor Dr. Firdaus Hariri
Dean, Faculty of Dentistry
Universiti Malaya

FOREWORD FROM DEPUTY DEAN (POSTGRADUATE)



Assalamualaikum Warahmatullahi Wabarakatuh and Greetings.

On behalf of the Faculty of Dentistry Postgraduate Office, I am delighted to extend my warmest congratulations and welcome to all new postgraduate students. Securing a place at Universiti Malaya is a significant achievement, and you should take pride in joining one of the leading institutions in dental education and research.

As you begin this new chapter, you will find that postgraduate study demands perseverance, discipline, and independence. The journey ahead will be both rewarding and challenging, but remember that you are not alone. The Faculty is committed to providing an environment that supports academic excellence, innovative research, and holistic personal development. We encourage you to engage actively with your supervisors, peers, and the wider university community in order to make the most of the opportunities available.

In addition to academic success, I urge you to embrace qualities of professionalism, integrity, and responsibility. Uphold the values of Universiti Malaya, contribute positively to your surroundings, and conduct yourself in a manner that reflects the honour of being part of this institution.

I believe that with hard work, determination, and the right attitude, you will be able to achieve your aspirations and make meaningful contributions to the advancement of knowledge and the betterment of society.
Welcome once again to the Faculty of Dentistry, and I wish you all the very best in your postgraduate journey.

Thank you.

Professor Dr. Wan Nurazreena Wan Hassan
Deputy Dean (Postgraduate)
Faculty of Dentistry
Universiti Malaya

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



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



MANAGEMENT

Dean	**Professor Dr. Firdaus Hariri** BDS (Malaya), MBBS (Malaya), MDS (HKU), MSc. (IMU), FDS RCS (England)
Deputy Deans:	
Postgraduate	**Professor Dr. Wan Nurazreena Wan Hassan** BDS (Wales), MScD in Orthodontics (Distinction) (Cardiff), MFDS RCSEd, MOrth RCSEd, FDS RCSEd
Undergraduate	**Associate Professor Dr. Norasmatul Akma Ahmad** BDS (Malaya), MClinDent in Prosthodontics (Distinction) (London), MRDRCS (Edinburgh), PhD (Malaya)
Research	**Associate Professor Dr. Zuraiza Mohamad Zaini** BDS (Malaya), MDSc Oral Path Oral Med (Queensland), MRACDS Oral Med (Aust), PhD (London)
Clinical Services	**Professor Dr. Syarida Hasnur Safii** DDS (UKM), MClinDent (London), MRDRCS (Edinburgh), PhD (Otago)
Student Affair	**Associate Professor Dr. Kathreena Kadir** BDS (Malaya), MClinDent (OMFS)(Malaya) Fellowship in Oral & Maxillofacial Oncology and Reconstructive Surgery (Shanghai)
Development	**Associate Professor Dr. Noor Hayati Azami** BDS (Malaya), MClinDent (Restorative Dentistry in Conservative Dentistry) (Malaya), FDS *ad eundem* RCS England

Faculty Manager	**Mr. Mahadi Sibon** LLB (Hons) (Birmingham), Pg Dip (Medical Law) (Northumbria), LLM (UM)
Assistant Registrars	**Mrs. Naquiah Adibah Othman** BSc (Hons) Biology (UiTM)
	Miss Nursyafiqah Abd Malek B.S.Chem (Malaya)
	Mrs. Siti Norliyana Ramlee Bachelor of Administrative Science (Hons.) (BAS) (UiTM)
	Mr. Muhammad Izzat Izzuddin Hamdan BA (Hons) International Relations (UM)
	Miss Nur Amalina Dayana Abd Aziz B.Ed (TESL) (UM), M.Ed (English Language Education) (UM)
	Mrs. Nur Zulaikha Zaki B.Ed TESL (Hons)(Malaya), M.Ed. Mgt (Malaya)
Finance Officer	**Mrs. Normaisarah Salim** B.Acc (Hons) (UiTM)
	Mr. Fauzan Abdillah B.Acc (Hons) (UM)

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

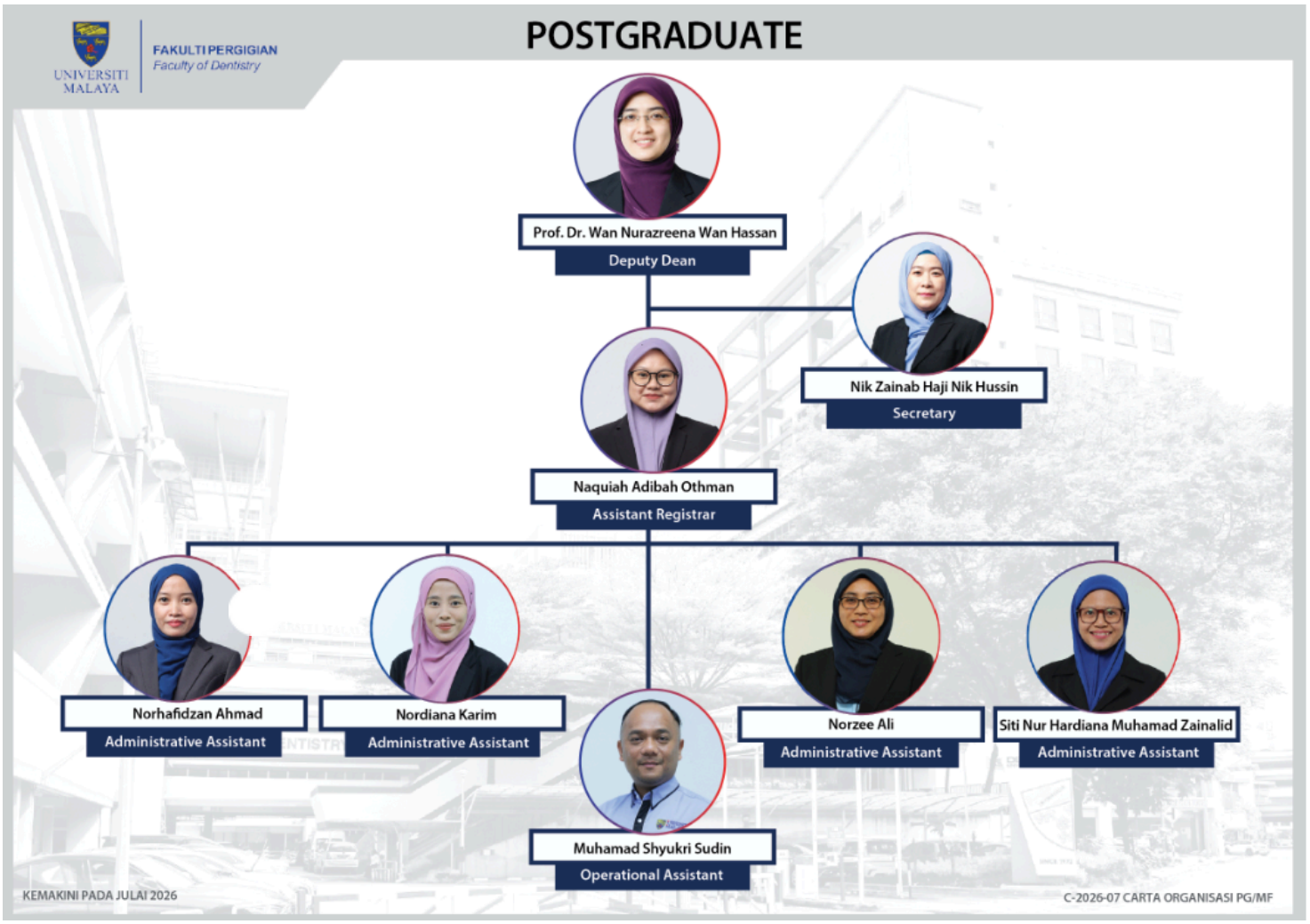
Email : dekan_dental@um.edu.my

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 : pgo_dental@um.edu.my

POSTGRADUATE MANAGEMENT OFFICE



ACADEMIC CALENDAR

ACADEMIC CALENDAR 2026/2027 ACADEMIC SESSION
MASTER OF ORAL SCIENCE
FACULTY OF DENTISTRY

SEMESTER I					
Orientation *(Week of Welcome) - WOW*	1	week	26.09.2026	-	04.10.2026
Lecture	11	weeks*	05.10.2026	-	20.12.2026
Mid Semester I Break	2	weeks	21.12.2026	-	03.01.2027
Lecture	3	weeks*	04.01.2027	-	24.01.2027
Revision Week / Semester I Final Examination	3	weeks*	25.01.2027		14.02.2027
Semester Break	1	week	15.02.2027	-	21.02.2027
Lecture	1	week	22.02.2027	-	28.02.2027
	22	weeks			
SEMESTER II					
Lecture	1	week	01.03.2027	-	07.03.2027
Mid Semester II Break	1	week	08.03.2027	-	14.03.2027
Lecture	20	weeks*	15.03.2027	-	01.08.2027
Revision Week	1	week	01.08.2027	-	08.08.2027
Semester II Final Examination / Lecture	3	week*	09.08.2027	-	29.08.2027
Semester II Break	3	week*	30.08.2027	-	19.09.2027
	29	weeks			

Note:
(1) Total number of Teaching & Learning weeks (including Orientation Week, Revision Week and Examination): 44 weeks
(*) The Academic Calendar takes into account public holidays and festive holidays. Holiday information is subject to change.

*Hybrid classes are subject to the respective Programme Coordinators' planning.

Deepavali	08 November 2026 (Sunday)	*Hybrid Class on 6 November 2026 (Friday)
Christmas Day	25 December 2026 (Friday)	*Hybrid Class on 24 December 2026 (Thursday)
New Year	01 January 2027 (Friday)	
Thaipusam	22 January 2027 (Monday)	
Federal Territory Day	01 February 2027 (Monday)	
Chinese New Year	06 & 07 February 2027 (Saturday & Sunday)	
Nuzul Al-Quran	24 Februayi 2027 (Wednesday)	
Eidul Fitri	10 & 11 March 2027 (Wednesday & Thursday)	*Hybrid Class on 1 - 12 March 2027 (Monday - Friday)
Labour Day	01 May 2027 (Saturday)	
Eidul Adha	17 May 2027 (Monday)	
Wesak Day	20 May 2027 (Thursday)	
Kaamatan Festival	30 May 2027 (Sunday)	*Hybrid Class on 31 May 2027 (Monday)
Gawai Day	01 Jun 2027 (Tuesday)	*Hybrid Class on 31 May 2027 (Monday)
Awal Muharram	06 Jun 2027 (Sunday)	
The Yang di-Pertuan Agong's Birthday	07 Jun 2027 (Monday)	
Maulidur Rasul	15 August 2027 (Sunday)	
National Day	31 August 2027 (Tuesday)	
Malaysia Day	16 September 2027 (Thursday)	

Senate March 2026

ACADEMIC CALENDAR FOR POSTGRADUATE PROGRAMMES, SESSION 2025/2026
YEARS 1, 2 & 3 CLINICAL DOCTORAL PROGRAMMES, AND
YEARS 2, 3 & 4 MASTER OF CLINICAL DENTISTRY
(ORAL AND MAXILLOFACIAL SURGERY)
FACULTY OF DENTISTRY

SEMESTER I					
Orientation *(Week of Welcome)* / Lecture	1	week	26.09.2026	-	04.10.2026
Lecture	11	week*	05.10.2026	-	20.12.2026
Mid Semester I Break	2	week	21.12.2026	-	03.01.2027
Lecture	5	week*	04.01.2027	-	07.02.2027
Semester Break	1	week*	08.02.2027	-	14.02.2027
Lecture	2	week	15.02.2027	-	28.02.2027
	22	**week**			
SEMESTER II					
Lecture	1	week	01.03.2027	-	07.03.2027
Mid Semester II	1	week	08.03.2027	-	14.03.2027
Lecture	20	week*	15.03.2027	-	01.08.2027
Revision Week / Lecture	1	week	01.08.2027	-	08.08.2027
Semester II Final Examination / Lecture	3	week*	09.08.2027	-	29.08.2027
Semester Break II	3	week*	30.08.2027	-	19.09.2027
	29	**week**			

Note:
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The Yang di-Pertuan Agong's Birthday	07 Jun 2027 (Monday)	
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National Day	31 August 2027 (Tuesday)	
Malaysia Day	16 September 2027 (Thursday)	

Senate March 2026

KALENDAR AKADEMIK IJAZAH TINGGI SESI 2026/2027
TAHUN 1, 2 & 3 DOKTOR KESIHATAN AWAM PERGIGIAN
FAKULTI PERGIGIAN

SEMESTER I					
Orientation *(Week of Welcome) / Kuliah*	1	week	26.09.2026	-	04.10.2026
Lecture	6	week*	05.10.2026	-	15.11.2026
Mid Semester I Break	1	week	16.11.2026	-	22.11.2026
Lecture	8	week*	23.11.2026	-	17.01.2027
Revision Week / Lecture	1	week*	18.01.2027	-	24.01.2027
Final Examination Semester I / Lecture	3	week*	25.01.2027	-	14.02.2027
Semester Break	2	week	15.02.2027	-	28.02.2027
	22	**week**			
SEMESTER II					
Lecture	1	week*	01.03.2027	-	07.03.2027
Mid Semester II	1	week	08.03.2027	-	14.03.2027
Lecture	20	week*	15.03.2027		01.08.2027
Revision Week / Lecture	1	week*	01.08.2027	-	08.08.2027
Semester II Final Examination / Lecture	3	week*	09.08.2027	-	29.08.2027
Semester Break	3	week	30.08.2027	-	19.09.2027
	29	**week**			

Note:

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Maulidur Rasul	15 August 2027 (Sunday)	
National Day	31 August 2027 (Tuesday)	
Malaysia Day	16 September 2027 (Thursday)	

Senate March 2026

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 ORTHODONTICS, PAEDIATRIC AND SPECIAL CARE DENTISTRY
Block A, Level 2, Faculty of Dentistry UM

DEPARTMENT OF ORAL AND MAXILLOFACIAL CLINICAL SCIENCES
Block A, Level 1, Faculty of Dentistry UM

DEPARTMENT OF ORAL & CRANIOFACIAL SCIENCES
Level 2, Balai Ungku Aziz, Faculty of Dentistry UM

DEPARTMENT OF RESTORATIVE DENTISTRY

Head

Associate Professor Dr. Azwatee Abdul Aziz
BDS (Adelaide), MClinDent in Prosthodontics (London), PhD (Malaya), MDTFEd RCS (Edinburgh)

Professor

Professor Dr. Syarida Hasnur Safii
DDS (UKM), MClinDent (London), MRDRCS (Edinburgh), PhD (Otago)

Professor Dr. Nor Adinar Baharuddin
BDS (Adelaide), MDSc (Malaya), DClinDent (Otago)

Professor Dr. Chai Wen Lin
BDS (Malaya), MDSc (Malaya), FDSRCS (England), FDSRCS (Edinburgh), PhD (Sheffield)

Professor Dr. Noor Hayaty Abu Kasim
BDS (Malaya), MSc (London), PhD (Newcastle)

Professor Dr. Aruni Tilakaratne
BDS (Peradeniya), Dip. in Counselling (Sri Lanka Foundation Inst.), PhD (Peradeniya)

Professor Dr. Mariam Abdullah
BDS (Otago), MClinDent in Endodontology (London)

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

Professor Dr. Jacob John a/l Chiremel Chandy
BDS (TN Dr MGR Medical University), MDS (Prosthodontics)(Kuvempu), MMedEdu (UM)

Associate Professors

Associate Professor Dr. Zeti Adura Che Ab. Aziz
BDS (Otago), MClinDent (Otago)

Associate Professor Dr. Eshamsul Sulaiman
BDS (Belfast), MFDRCS (Ireland), MClinDent (Prosthodontics with Distinction) (London)

Associate Professor Dr. Norasmatul Akma Ahmad
BDS (Malaya), MClinDent in Prosthodontics (Distinction) (London), MRDRCS (Edinburgh), PhD (Malaya)

Associate Professor Dr. Nosizana Mohd. Salleh
DDS (Tokyo), PhD (Tokyo)

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

Associate Professor Dr. Lim Ghee Seong
BDS (Malaya), MClinDent (Restorative Dentistry with Distinction) (Newcastle), ITF (Prosthodontics) under NACPDE RCS (England), MDTFEd RCS (Edinburgh)

Associate Professor Dr. Hany Mohamed Aly Ahmed
BDS (Egypt), HDD (Endodontics) (Egypt), PhD (USM), MDTFEd RCS (Edinburgh) , FPFA (USA), FADI (USA)

Associate Professor Dr. Mohideen Salihu Farook
BDS (Rajiv Gandhi), MDSc (Prosthodontics) (Dundee),
MFD RCS (Ireland), M Prostho RCS (England)

Associate Professor Dr. Cheah Chia Wei
BDS (Malaya), MClinDent (Periodontology) (Malaya), PhD (Malaya)

Associate Professor Dr. Muaiyed Mahmoud Ali Buzayan
BDS (Tripoli University), MClinDent (Restorative Dentistry in Prosthetic Dentistry) (Malaya)

Associate Professor Dr. Noor Hayati Azami
BDS (Malaya), MClinDent (Restorative Dentistry in Conservative Dentistry) (Malaya), FDS RCS (England)

Senior Lecturers

Dr. Siti Fauzza Ahmad
BDS (Malaya), MSc (Med.Sci) in Fixed and Removable Prosthodontics (Glasgow), PhD (Malaya), FDS RCS England

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

Dr. Noorhayati Raja Mohd
DDS (UKM), MClinDent (Restorative Dentistry in Prosthetic Dentistry) (Malaya)

Dr. Enas Abdalla M. Etajuri
BDS (Tripoli), MDSc (Malaya), MClinDent (Restorative Dentistry in Prosthetic Dentistry) (Malaya)

Dr. Aeman Elkezza
BDS (Libya), MDSc (Prosthodontic) (Dundee)

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

Dr. Mohd Azmi Abdul Razak
BDS (Malaya), MClinDent (Prostho) (London), MProst RCS (Edinburgh)

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

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

Lecturers

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

Dr. Nor Shafina Mohamad Nazari
BDS (Otago), MSc Clin Dent (Perio) (Distinction) (Manchester), MPerio RCS (Edinburgh)

Dr. Rana Abdelbaset Lotfy Diab
BDS (Egypt), MFDS RCS (Edinburgh), MClinDent Restorative Dentistry in Conservative Dentistry (Malaya), FEndo RCS (England), FEndo RCS (England), FDS RCS (England)

Dr. Nur Diyana Mohamed Radzi
BDS (Malaya), MFDS RCS (Edinburgh), MClinDent (Restorative Dentistry in Conservative Dentistry) (Malaya)

Dr. Sofya Zulkiffli
BDS (Malaya), MClinDent (Restorative Dentistry in Conservative Dentistry) (Malaya)

Dr. Mohd Amirul Fahmi Che Mohd Fadzilah
BDS (Malaya), MFDS RCS (Edinburgh), MClinDent (Restorative Dentistry in Conservative Dentistry) (Malaya)

Dr. Anas Hakimee Ahmad Ubaidillah
BDS (Malaya), MClinDent (Restorative Dentistry in Conservative Dentistry) (Malaya)

Dr. Natrah Ahmad Fuad
BDS (Malaya) DClinDent Endodontology (Distinction) (Edinburgh), MFDS RCS (Edinburgh), MEndo RCS (Edinburgh), FEndo RCS (Edinburgh)

Dr. Muhammad Aliff Ikram Noor Zari
BDS (UiTM), DClinDent Prosthodontics (Edinburgh), MFDS RCS (Edinburgh)

Dr. Muhammad Husaini Ab Aziz
BDS (Malaya), Dip PCD RCS (Ireland), MFD RCS (Ireland), MFDS RCS (Edinburgh), MClindent Endodontology (KCL) (Distinction), MEndo RCS (Edinburgh)

Dr. Nurul Ashikin Mastura Muhammed Rezuan
BDS (Malaya), MClinDent Periodontology (London), MPerio RCS (England)

Dr. Nurul Liyana Aminuddin
BDS (Malaya), MClinDent in Prosthodontics (London) (Distinction), MFD RCS (Ireland), MFDS RCS (Edinburgh), MProstho (RCS Edinburgh)

Honorary Professor

Professor Dr. Norsiah Yunus
BDS (Glasgow), MSc in Prosthetic Dentistry (Bristol)

Trainee Lecturers

Dr. Siti Sarah Abdul Sattar
BDS (Malaya)

Dr. Fatin Amni Zamros Yuzaidi
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DEPARTMENT OF COMMUNITY ORAL HEALTH & CLINICAL PREVENTION

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Professors	**Professor Dr. Zamros Yuzadi Mohd Yusof** BDS (QUB), MSc DPH (London), PhD (Distinction) (Malaya), DDPH RCS (England), FDS RCS (England)
	Professor Dr. Norintan Ab Murat BDS (Malaya), MSc DPH (London), DDPH RCS (England), PhD (London), FDS RCS (England)
Associate Professor	**Associate Professor Dr. Nor Azlida Mohd Nor** BDS (Malaya), MSc DPH (London), DDPH RCS (England), PhD (Cardiff), PGDipMEd (Distinction) (Wales), FDTFEd RCS (Edinburgh), FDS RCS (England)
Lecturers	**Dr. Ainol Haniza Kherul Anuwar** DDS (UGM), MCOH (Distinction) (Malaya), DrDPH (Malaya) PGDT (Distinction) (OUM), FDS RCS (England)
	Dr. Najihah Lokman BSc (Hons) (UKM), MSc Medical Statistics (USM), PhD (Malaya)
	Dr. Noor Syahidah Hisamuddin DDS (UKM), MCOH (Distinction) (Malaya), PhD (Ireland)
	Dr. Elaine Choong Kar Man BDS (Distinction) (MAHE), MSc DPH (Distinction) (London), PhD (Hong Kong)
	Dr. Aina Najwa Mohd Khairuddin BDS (Malaya), MSc DPH (London), PhD (London)
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Honorary Professor	**Professor Dr. Jennifer Geraldine Doss** BDS (Malaya), MCD (Distinction) (Malaya), PhD (Otago)
Trainee Lecturers	**Dr. Abdul Azim Abdul Razak** BDS (Malaya), MSc DPH (London)
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Associate

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DEPARTMENT OF ORAL AND MAXILLOFACIAL CLINICAL SCIENCES

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Dr. Nurul Izyan Zainuddin
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Honorary Consultants

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Trainee Lecturers	**Dr. Nur Redannia Redzuan** BDS (Malaya)
Supporting	**~~Ms. Sainah Kasbollah~~**
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	Professor Dr. Ian Charles Paterson BSc (London), PhD (Bath)
	Professor Dr. Yap Lee Fah BSc (Taiwan), MSc (Singapore), PhD (Bristol)
	Professor Dr. Chen Yeng BSc (Hons) (Malaya), MMedSc (Malaya), PhD (Malaya)
Senior Lecturers	**Dr. Adyani Azizah Abd Halim** BSc (Hons) (Malaya), MSc (Malaya), PhD (Malaya)
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PROGRAMMES OFFERED

ACADEMIC SESSION 2026/2027

Clinical Coursework Programmes	**Master of Oral Science** - *Foundation in Orthodontics* - *Foundation in Oral Maxillofacial Pathology and Oral Medicine* - *Foundation in Paediatric Dentistry* - *Foundation in Endodontics* - *Foundation in Special Care Dentistry* **Master of Community Oral Health**
Mix Mode Programmes	**Doctor in Dental Public Health**
Clinical Doctorate Programmes	**Doctor in Oral Maxillofacial Pathology and Oral Medicine** **Doctor in Orthodontics** **Doctor in Periodontology** **Doctor in Prosthodontics** **Doctor in Restorative Dentistry**
Research Programmes	**Master of Dental Science** **Doctor of Philosophy**

PROGRAMMES NOT OFFERED FOR 2026/2027 INTAKE

Clinical Doctorate Programmes	Doctor in Paediatric Dentistry Doctor in Special Care Dentistry

MASTER OF ORAL SCIENCE

MODE: BY CLINICAL COURSEWORK

1. PROGRAMME COORDINATOR

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

COURSE COORDINATOR

Course	Coordinator's Name
Research Methodology (DSX7001)	**Professor Dr. Yap Lee Fah** Department of Oral & Craniofacial Sciences
Research Project (DSA7002)	**Dr. Goh Yet Ching** Department of Oral & Maxillofacial Clinical Sciences
Basic Medical Science (DSA7003)	**Dr. Syarifah Nur binti Syed Abdul Rahman** Department of Oral & Craniofacial Sciences
Outreach Dentistry (DSA7004)	**Professor Dr. Jacob John A/L Chiremel Chandy** Department of Restorative Dentistry
Basic Life Support (DSA7005)	**Professor Dr. David Ngeow Wei Cheong** Department of Oral & Maxillofacial Clinical Sciences
General Dentistry (DSA7006)	**Dr. Nur Diyana binti Mohamed Radzi** Department of Restorative Dentistry
Endodontology (DSA7007)	**Associate Professor Dr. Zeti Adura binti Che Ab Aziz** Department of Restorative Dentistry
Orthodontics (DSA7008)	**Associate Professor Dr. Lau May Nak** Department of Orthodontics, Paediatric & Special Care Dentistry
Prosthodontics (DSA7009)	**Associate Professor Dr. Nosizana Binti Mohd Salleh** Department of Restorative Dentistry
Paediatric Dentistry (DSA 7010)	**Dr. Nabihah Binti Dziaruddin** Department of Orthodontics, Paediatric & Special Care Dentistry
Periodontology (DSA7011)	**Professor Dr. Nor Adinar Baharuddin** Department of Restorative Dentistry
Restorative Dentistry (DSA7012)	**Associate Professor Dr. Lim Ghee Seong** Department of Restorative Dentistry
Special Care Dentistry (DSA7013)	**Dr. Aisyah Binti Ahmad Fisal** Department of Orthodontics, Paediatric & Special Care Dentistry
Oral Maxillofacial Pathology and Oral Medicine (DSA7014)	**Dr. Nur Fauziani binti Zainul Abidin** Department of Oral & Maxillofacial Clinical Sciences

3. PROGRAMME OF STUDY

The Master of Oral Science is a full-time clinical coursework 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 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 Universiti 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 60 for the Internet-based total (IBTCentre based) for Test of English as a Foreign Language (TOEFL) or a score of 8.5 for TOEFL Essentials (Online); OR
(b) Obtained a minimum score of band 6.0 or band according to programme standard in the International English Language System (IELTS); OR
(c) Obtained a minimum score of 59 for the Pearson Test of Academic English (PTE Academic); OR
(d) Obtained a score of 169 for the Cambridge English Qualifications and Tests B1 Preliminary, B2 First, C1 Advanced, C2 Proficiency, B2 Business Vantage, C1 Business Higher, Linguaskill Online, or a score of 250 for the Occupational English Test (OET) (Conventional/Online); OR

(e) Obtained a minimum band of 4.0 for the Malaysian University English Test (MUET).

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:

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 overview of general dentistry that covers a multidisciplinary approach. The course will be taught through lectures. Integrated dental knowledge gained from the course will help students prepare 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 postgraduate students enrolled for the MOSc program undertake this community outreach module. The goals of the module are to improve learning, promote civic engagement, and strengthen community partnerships through addressing societal needs. The module provides the learners the opportunity to work directly with members of the community, who commonly experience health inequalities and poor oral health. It also enables them to work as a team to develop and deliver an intervention adapted to needs of the community they are working with. The purpose of this module is to provide students with insight into the health and wellbeing of various population groups and to promote 'social accountability' as a key part of professional practice.

v) Research Project

This course provides a structured introduction to research methodology with specific emphasis on its significance and application in dentistry. It encompasses the principles of research design, including formulation of research questions, selection of appropriate methodologies, and critical evaluation of evidence. Trainees will acquire foundational skills in data management, statistical analysis, and scientific reporting, culminating in the preparation of a structured research report. Particular attention is given to compliance with legal, ethical, and professional standards in the conduct of research. The course serves as an essential platform for developing scholarly competencies and provides the necessary foundation for engagement in advanced and doctoral-level research.

c. <u>Programme Clinical Course (Elective):</u>

i. 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, assignments, 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 and develop 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 oral maxillofacial pathology and oral medicine

ii. 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

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. 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 demonstrate competence in managing patients commensurate with a general dental practitioner with 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.

v. Endodontology

This programme combines seminars, pre-clinical simulations, and clinical practice to train practitioners in advanced endodontic care. Trainees integrate pulpal pathobiology, pharmacology, and field optimisation to diagnose, plan, and deliver evidence-based treatment. Pre-clinical simulation under magnification builds mastery in manual and automated canal instrumentation, while clinical training emphasises holistic patient management, acute pain relief, and ethical conduct. Through journal clubs and continuous clinical exposure, trainees refine their critical appraisal of the literature and professional judgement to deliver high-standard endodontic care.

vi. Restorative Dentistry

(This elective course will not be offered in 2026/2027)

The course is designed to include an in-training teaching component where trainees 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.

vii. Prosthodontics

(This elective course will not be offered in 2026/2027)

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 the relationship of dental materials science, periodontology, endodontology, operative dentistry and other clinical disciplines relevant to general prosthodontics.

viii. Periodontology

(This elective course will not be offered in 2026/2027)

Students would be taught the basic principles of Periodontology including the normal structures, aetiology, pathogenesis, progression, recognition and treatment of periodontal diseases. They would be trained to take history, perform clinical examination, diagnose and institute initial and advanced treatment of periodontal diseases.

(2) The scope of the programme is outlined in the Course Proforma and Course Information provided by the programme coordinators.

7. COURSE REGISTRATION

Registration of courses shall be completed one week before the class begins, within the registration week (subject to change). 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 the Final 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	**Summative assessment**
	• Oral presentation - 50%
	• Written Report - 50%
	
	To pass the course, the candidate must obtain:
	
	• 65% or more of the marks for each component:
	  • Oral Presentation
	  • Written Report
	
	Failure in the course
	If a candidate fails the course, the candidate shall be subjected to the provisions stipulated in the Universiti Malaya (Master's Degree) Rules and Regulations 2024.

Programme Core Course	
Basic Medical Science	**Examination** Written exam (100%): **Component A:** Short Answer Question (SAQ) - 50% **Component B:** One Best Answer (OBA) / Extended Matching Question (EMQ) / Multiple Choice Question (MCQ) - 50%

	To pass the course, the candidate must obtain: • 65% or more of the total aggregate marks for component A and component B **Failure in the course** If a candidate fails the course, the candidate shall be subjected to the provisions stipulated in the Universiti Malaya (Master's Degree) Rules and Regulations 2024.
General Dentistry	**Examination** Theory paper • Multiple Choice Question (MCQ) paper (*Open Book Examination)– 100% To pass the course, the candidate must obtain: • 65% marks for the theory paper **Failure in the course** If a candidate fails the course, the candidate shall be subjected to the provisions stipulated in the Universiti Malaya (Master's Degree) Rules and Regulations 2024.
Basic Life Support	**Summative Assessment** Theory paper – MCQ - 100% Practical test - Assessment on site To pass the course, the candidate must: • achieve 80% or more of the marks for theory paper • pass the practical test by correctly demonstrating ALL steps of CPR. (A certificate is awarded upon passing the course) **Failure in the course** If a candidate fails the course, the candidate shall be subjected to the provisions stipulated in the Universiti Malaya (Master's Degree) Rules and Regulations 2024.
Outreach Dentistry	**Summative assessment** Continuous assessment Seminar, oral presentations, and reflective learning - 50% Oral Health Program Course Reflective Journal - 50% To satisfy the requirement of the course, the candidate must: • obtain 65% or more of the total marks

	Failure in the course If a candidate fails the course, the candidate shall be subjected to the provisions stipulated in the Universiti Malaya (Master's Degree) Rules and Regulations 2024.
Research Project	**Formative Assessment** (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) • Evaluation and feedbacks through student-supervisors interaction • Research proposal writing, presentation, and ethics application (where appropriate) **Summative Assessment (100%)** • Research report - 70% • Viva-voce - 30% **Failure in the course** If a candidate fails the course, the candidate shall be subjected to the provisions stipulated in the Universiti Malaya (Master's Degree) Rules and Regulations 2024.
Programme Clinical Course (Elective) & Minimum Clinical Experience (MCE)	
Orthodontics	**Continuous assessment (40%)** • Practical (wire-bending) - 10% • Clinical work - 10% • Case presentation - 20% **Final examination (60%)** • Written exam: Essay (*Open Book Examination) - 35% • Structured clinical reasoning - 25% **Minimum clinical experience** • Wire-bending exercises o Three (3) upper removable appliances (URAs) o One (1) Quadhelix appliance o One (1) TPA & Nance appliance o Fixed appliances wire-bending exercise comprising loops and bends, 1st order bend, 2nd order bend, and 3rd order bend • Complete training for cephalometry and growth prediction tracings

	• One (1) Direct Observation of Procedural Skills (DOPS) for cephalometry tracing • Complete training for orthodontic photography • One (1) Direct Observation of Procedural Skills (DOPS) for orthodontic photography • Construction of one (1) orthodontic study model • Complete Straight wire Typodont training • Twenty (20) complete diagnostic cases
Paediatric Dentistry	**Continuous assessment (40%)** • Preclinical work - 12% • Clinical work - 12% • Seminars/ Assignments - 16% **Final examination (60%)** • Written exam: Essay (*Open Book Examination) - 30% • Clinical viva voce - 30% **Minimum clinical experience** i) Intra-coronal restoration - TWO (2) Class I and Class II restorations on primary typodont molars, respectively - ONE (1) competency test of a class II cavity preparation with restoration ii) Extra-coronal restoration - TWO (2) paediatric strip- crowns on maxillary primary typodont incisors and two stainless steel crowns on primary typodont molars - ONE (1) competency test of the paediatric strip-crown restoration and stainless-steel crown, respectively iii) Endodontic - TWO (2) pulpotomies and pulpectomies on extracted primary molars, respectively - ONE (1) access-cavity procedure on a maxillary permanent central incisor, a maxillary permanent premolar and a permanent molar, either maxillary or mandibular molar, respectively - ONE (1) root canal procedure up to the stage of canal obturation on a maxillary permanent incisor and a permanent molar, either maxillary or mandibular molar, respectively - ONE (1) Regenerative Endodontic procedure on a maxillary permanent incisor - ONE (1) apical plug placement procedure (apexification) on a maxillary permanent incisor iv) Trauma

	- A wire-composite splint on the four maxillary typodont incisors - ONE (1) restorative procedure on a maxillary incisor tooth with an incisal-proximal fracture (Class IV) – either reattachment of fracture fragment or restoration v) Interceptive orthodontic - Placement of a band on a primary molar typodont tooth, impression taking and transferring of the band into the impression vi) Oral Surgery - Basic Suturing techniques - Jaw fixation and splinting techniques with arch bar and wires - Phlebotomy technique - IV-cannula insertion technique - IV-fluid set-up and maintenance technique vii) Behaviour Management - Nitrous oxide-oxygen conscious sedation training exposure - ONE (1) competency test (students can perform the procedure on each other viii) Examination and Diagnosis with Treatment Planning - Knowledge exposure and practical training - ONE (1) competency test ix) Cross-infection Control - Hand scrub and operation theatre gowning technique - Knowledge exposure and practical training x) Hospital Exposure - Exposure to the hospital environment
Oral Maxillofacial Pathology and Oral Medicine	**Continuous assessment (40%)** • Seminars and clinicopathological conferences - 15% • Oral Pathology Practical session, Oral Pathology Diagnostic session - 10% • Assignment writing - 15% **Final exam (60%)** • Written exam : Essay (*Open Book Examination) - 60% **Minimum clinical experience** • Grossing of simple tissue biopsy specimen (including) experience in histopathology reporting (5 cases*) • Clinical examination and diagnosis of common oral lesions (5 cases*) * **ONE (1)** case form each of these categories must be assessed in the form of a competency test.

Special Care Dentistry	**Continuous assessment (40%)** • Seminar assignment - 30% • Case presentation - 10% **Final examination (60%)** • Written exam: Essay (*Open Book Examination) - 30% • Clinical viva voce - 30% **Minimum clinical experience** Completed and passed the simulation exercise and clinical session recorded in practice log-book: i. Practical training/exposure: a. Non-pharmacological techniques on behavioural guidance b. Pharmacological techniques on behavioural guidance ii. Clinical session (observation) – Total of 15 cases a. Management of patients with physical disability b. Management of patients with intellectual disability c. Management of patients with psychiatric/psychological issues d. Management of medically compromised patients e. Management of frail geriatric patients iii. Medical posting (observation) which may include: a. Rehabilitation Medicine b. Palliative c. Neurology d. Geriatric e. Psychiatric
Restorative Dentistry	**Continuous assessment (40%)** • Clinical Case Presentation -10% • Clinical Case Report - 20% • Seminar Assessment -10% **Professional Examination (60%)** • Teori paper (*Open Book Examination- Essay+ MCQ) - 40% • Clinical/Viva Voce - 20% **MINIMUM CLINICAL EXPERIENCE** The 1-year training must incorporate: ***a)Preclinical tasks which include:*** Procedures **1. Fixed Prosthodontics** Tooth preparation: •ONE (1) PFM three-unit bridge and provisional restoration. •ONE (1) All-ceramic crown and provisional restoration.

	•ONE (1) Full metal crown and provisional restoration. •ONE (1) Casted post & core (up to wax pattern) •ONE (1) Onlay •ONE (1) All ceramic veneer Competency test: •Crown preparation and provisional restoration **2. Removable prosthodontics** •Surveying & Co-cr denture design Competency test: •Denture Design **3.Occlusion** 1.Diagnostic wax-up teeth on stone models. 2.ONE (1) hard acrylic occlusal splint. **4.Endodontics** Techniques for non-surgical root canal treatment on at least: •TWO (2) anterior extracted teeth •TWO (2) posterior extracted teeth Competency test: •Extracted molar tooth - access cavity, canal preparation, and obturation. **5. Periodontics** •Full periodontal charting. •Root surface debridement. Competency test: •Root surface debridement. **5. International Caries Detection and Assessment System (ICDAS)** ● Knowledge exposure and practical training and International Caries Classification and Management System (ICCMS) ***b) Clinical requirements:*** Trainees should treat and manage a minimum of 4 moderate to high complexity endodontic, periodontic and/or prosthodontic cases. These may be standalone cases or involve a multidisciplinary approach.

Prosthodontics	**Continuous assessment (40%)** • Clinical Case Presentation - 10% • Clinical and laboratory work(logbook) - 15% • Seminar assessment - 10% • Semester written assessment - 5% **Professional Examination (60%)** • Theory paper (*Open Book Examination) - • MCQ (*Open Book Examination) **MINIMUM PRECLINICAL EXPOSURES** 1. FIXED PROSTHODONTICS i. PFM three-unit bridge - tooth preparation, provisional bridge ii. All-ceramic crown - tooth preparation and provisional crown iii. Onlay/Inlay – tooth preparation iv. Veneer v. Post and core 2. REMOVABLE PROSTHODONTICS - Co-cr denture design 3. Competency test: A. Fixed Prosthodontics - crown preparation and bridge preparation B. Removable Prosthodontics - Surveying & Denture Design 3. OCCLUSION 1. Diagnostic wax-up teeth on stone models. 2. Model occlusion analysis 4. ENDODONTICS Root canal treatment on one (1) anterior and 2 (two)posterior extracted teeth using various hand preparation techniques for canal preparation (for example, modified double flare technique, hand protaper technique,or other techniques etc.) Preclinical on extracted anterior/premolar/molar tooth (access cavity, canal preparation, and obturation). 5. PERIODONTICS Examination & diagnosis, risk assessment & general treatment planning. 6. International CariesDetection and Assessment System (ICDAS) and International Caries Classification and Management System (ICCMS) Knowledge exposure and practical training Clinical requirement: General Dental Practice Clinic / Prosthodontics Clinic Knowledge exposure and clinical training Clinical Logbook / Minimum 2 (TWO) clinical portfolios/ case study write-up.

Periodontology	**ASSESSMENT** **Continuous assessment (40%)** • Assignment - 10% • Theory paper - 20% • Critical appraisal - 10% **Final examination (60%)** • Written exam: Essay (*Open Book Examination) - 35% • Clinical viva voce - 25% **MINIMUM CLINICAL EXPERIENCE** i) Pre-clinical tasks which include: a. Techniques for non-surgical periodontal procedures. b. Overview of Restorative dentistry component: simple endodontics, restorative and prosthodontics of treatment. ii) Clinical requirements: The students should treat and manage a minimum of 4-5 moderate to severe periodontal diseases patients.
Endodontology	**ASSESSMENT** **Continuous assessment (40%)** • Semester Theory paper - 10% • Clinical Sessions & Clinical Logbook - 5% • Clinical Case reports and presentation - 15% • Seminars Assessment – 10% **Final examination (60%)** • Written exam: (*Open Book Examination) - 40% • Clinical test/ *viva voce* - 20%
	MINIMUM CLINICAL EXPERIENCE (MCE) The 1-year training must incorporate: i) Pre-clinical tasks which include the following: 1. Trainees are required to perform all pre-clinical and clinical endodontic procedures under magnification. This may be achieved using dental loupes (minimum 3.5x magnification, preferably with an LED headlight system) or a Dental Operating Microscope (DOM). 2. Techniques for non-surgical root canal treatment (manual and automated instrumentation) – at least on 20 extracted teeth (various type of teeth) 3. Restoration of the endodontically treated tooth – at least one post-preparation and placement followed by a temporary crown. ii) Clinical requirements:

	The trainees should treat/manage a minimum of 30 patients (general dental management cases) that include 10 cases of endodontic-related emergencies.

1. Exemption from Basic Medical Science Examination:

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

   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 Universiti 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 of 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

Failure in the course

- If a candidate fails the course, the candidate shall be subject to the provisions stipulated in the Universiti Malaya (Master's Degree) Rules and Regulations 2024

b. Final Professional Examination

The Professional Examination in this programme consists of 2 parts:

Part 1: Clinical Course (Elective)

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

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

Failure in the Course

If a candidate fails the course, the candidate shall be subject to the provisions stipulated in the Universiti Malaya (Master's Degree) Rules and Regulations 2024

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

Failure in the course

If a candidate fails the course, the candidate shall be subject to the provisions stipulated in the Universiti Malaya (Master's Degree) Rules and Regulations 2024

Appeal

Refer to the Universiti Malaya (Master's Degree) Rules and Regulations 2024.

12. AWARD OF THE DEGREE

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

(a) Research Methodology assessment; 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
- Oral Maxillofacial Pathology and Oral Medicine;; OR
- Special Care Dentistry; OR
- Prosthodontics; OR
- Restorative Dentistry; OR;
- Periodontology; OR
- Endodontology

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 80% or more of the combined marks of the Final Examination (clinical elective course and research project); 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.

14. 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) achieved grade A in the Research Methodology course and all programme core courses; AND passed with grade A 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 COMMUNITY ORAL HEALTH

MODE: BY COURSEWORK

Program (Director) Coordinator: Professor Dr Norintan Ab Murat

1. PROGRAMME CLASSIFICATION

This master's degree programme by coursework is 42 credits; 39 credits (92.8%) core courses and 3 credits (7.2%) elective courses. This is a one-year full time course comprising 2 semesters and one special semester. The maximum period of candidature is 8 semesters and 4 special semesters.

2. ADMISSION REQUIREMENTS

1. A Bachelor's degree or an equivalent degree in Dentistry from local and foreign universities; priority is for candidates with a CGPA at least 3.0 and above or its equivalent, and have at least two (2) years post-registration clinical experience in dentistry; AND

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

3. Satisfy health and other requirements as required by Universiti Malaya; AND

4. Pass the interview (this is to assess the suitability of candidates under the master clinical programme); AND

5. Fulfil the requirements for admission as prescribed by the Faculty/ Department from time to time; AND

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

   i) Obtained a minimum score of 600 (Paper-based test); or a score of 250 (Computer-based test) or a score of 100 (internet test) in the Test of English as a Foreign Language (TOEFL); OR

ii) Obtained a minimum score of band 6 or band according to the programme standard in the International English Language System (IELTS); OR

iii) Pearson Test of Academic English (PTE Academic) with minimum score of 42; OR

iv) English Language subject at A-level with Grade C and above; OR

v) Cambridge English: First (FCE) grade C and above; OR

vi) Cambridge English: Advance (CAE) Grade C and above; OR

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

viii) Malaysian University English Test (MUET) with minimum band 5

3. DURATION OF STUDY

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

4. STRUCTURE OF PROGRAMME OF STUDY

1. This programme comprises 10 core courses, two (2) elective courses, and a research project.

    a. Core Courses: Five (5) courses to be successfully completed and passed in the first semester, three (3) courses to be successfully completed and passed in the second semester and two (2) courses to be successfully completed in the special semester.

    b. Elective Courses: Two (2) elective courses are offered but candidates need to choose and register with only one of them. Classes will be conducted together with candidates registered with the Master of Public Health of Department of Social and Preventive Medicine, Faculty of Medicine, UM. The elective course is to be successfully completed and passed in the first and second semester.

    c. Research Project: The research project is undertaken throughout the program.

2. The details of each of this programme's courses are given in the Course Proforma and Course Information as given by the Department.

Below are the Programme Learning Outcomes for the Master of Community Oral Health:

Master of Community Oral Health - Programme Learning Outcomes

PLO 1	Demonstrate knowledge and understanding in the relevant field/s or practice (Cluster 1)
PLO 2	Critically apply knowledge to resolve practical problems (Cluster 2)
PLO 3	Prepare research proposal and/or conduct research with minimal supervision (Cluster 2)
PLO 4	Apply practical skills in the relevant fields (Cluster 3.1)
PLO 5	Conduct problem solving or investigation to resolve issues in the dental practice (Cluster 3.2)
PLO 6	Communicate and interact effectively with peers in the field/s as well as the general audience (Cluster 3.3)
PLO 7	Select suitable digital and analytical tool techniques to resolve problems (Cluster 3.4 & Cluster 3.5)
PLO8	Demonstrate leadership qualities through collaboration with peers and others (Cluster 3.6)
PLO9	Demonstrate commitment to lifelong learning and personal development (Cluster 4)
PLO10	Adhering to legal, ethical, professional, and sustainable practice (Cluster 5)

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 appointment of a supervisor shall be done at a point a candidate's field of research is approved.

2. Where necessary, the appointment of co-supervisor(s) and/or consultant(s) may be done.

7. FIELD OF RESEARCH

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

8. SUBMISSIONS

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

Notice for the submission of the research report will be given when the candidate submits the title of the research project for approval.

9. EXAMINATION

a. The assessment for the examination for the coursework component shall be based on the following grading scheme stipulated in the following regulation: **University of Malaya Rules and Regulations (Master's Degree) 2024.**

b. 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 continuous assessments for all courses, encompassing various components such as, but not limited to:

i. Class tests
ii. Seminar presentation
iii. Case report
iv. Group / individual assignments
v. Field reports
vi. Practical test
vii. Case Study

Research Project Assessments

The research project assessment consists of two components which are:

i. Research proposal
ii. Research report
iii. Viva-voce

The Master of Community Oral Health programme consists of various courses, and each course has its own specific allocation of weightage for the continuous and final assessments, as indicated below.

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

- Continuous assessment contributes 50% of the overall grade and includes seminar presentation &, written assignment. The final examination contributes 50% of the overall grade.
- The final result will be either a PASS or FAIL, with corresponding grades assigned.

DQD 7004 – SOCIAL AND BEHAVIOURAL SCIENCE IN DENTISTRY

- Continuous assessment contributes 50% of the overall grade and includes case study presentation, case study report & oral presentations.
- The final examination contributes 50% of the overall grade.
- The final result will be either a PASS or FAIL, with corresponding grades assigned.

DQD 7005 – HEALTH PROMOTION

- Continuous assessment contributes 50% of the overall grade and includes oral presentation, peer assessment, community assessment, written assignment.
- The final examination contributes 50% of the overall grade.
- The final result will be either a PASS or FAIL, with corresponding grades assigned.

DQD 7006 – EPIDEMIOLOGY OF ORAL CONDITIONS

- Continuous assessment contributes 50% of the overall grade and includes class test & oral presentation.
- The final examination contributes 50% of the overall grade.
- The final result will be either a PASS or FAIL, with corresponding grades assigned.

DQD 7007 – PREVENTIVE DENTISTRY

- Continuous assessment contributes 50% of the overall grade and includes modified OSCE, written assignment, class test.
- The final examination contributes 50% of the overall grade.
- The final result will be either a PASS or FAIL, with corresponding grades assigned.

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

- Continuous assessment contributes 50% of the overall grade and includes seminar presentation, report, field supervisor's assessment & peer review.
- The final examination contributes 50% of the overall grade.
- The final result will be either a PASS or FAIL, with corresponding grades assigned.

DQD 7011 – LAW AND ETHICS IN DENTISTRY

- Continuous assessment contributes 50% of the overall grade and includes oral presentation & class test.
- The final examination contributes 50% of the overall grade.
- The final result will be either a PASS or FAIL, with corresponding grades assigned.

DQD 7012 – BIOSTATISTICS

- Continuous assessment contributes 70% of the overall grade and includes written test, lecturer observation and class test.
- The final examination contributes 30% of the overall grade.
- The final result will be either a PASS or FAIL, with corresponding grades assigned.

DQD 7013 – RESEARCH METHODOLOGY IN HEALTH SYSTEMS

- Continuous assessment contributes 50% of the overall grade and includes practical reports, class test & oral presentations.
- The final examination contributes 50% of the overall grade.
- The final result will be either a PASS or FAIL, with corresponding grades assigned.

DQD 7014 – RESEARCH PROJECT

- Continuous assessment contributes to 10% (Proposal defence seminar)
- Final examination contributes 70% research report and 20% viva voce.
- The final result will be either a PASS or FAIL, with corresponding grades assigned.

Elective Courses from the Department of Social and Preventive Medicine, Faculty of Medicine, Universiti Malaya

MQB 7041 – OCCUPATIONAL HEALTH

- Continuous assessment contributes 60% of the overall grade and includes case study and individual assignment.
- The final examination contributes 40% of the overall grade.
- The final result will be either a PASS or FAIL, with corresponding grades assigned.

MQB 7047 – PRINCIPLES OF MANAGEMENT IN HEALTH

- Continuous assessment contributes 50% of the overall grade and includes group work, assignment & case report.
- The final examination contributes 50% of the overall grade.
- The final result will be either a PASS or FAIL, with corresponding grades assigned.

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

c. 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	

d. 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.

e. 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.

f. 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. AWARD OF THE DEGREE

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

i) achieved a final CGPA of 3.0 and above; and

ii) complete 42 credits as prescribed for the programme; and;

iii) fulfil the language requirements prescribed for the programme; and

iv) fulfil other requirements of the Faculty and/or University.

11. AWARD OF THE DEGREE WITH DISTINCTION

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

i) achieved a final CGPA of 3.7 and above; and

ii) never failed any course;

iii) never repeated any course for the purpose of improving his/her grade for the course throughout the duration of the programme; and

iv) completed his/her study within the minimum study period of two (2) semesters and one (1) special semester.

DOCTOR IN DENTAL PUBLIC HEALTH

MODE: MIX MODE

Program (Director) Coordinator: Associate Professor Dr Nor Azlida Mohd Nor

1. PROGRAMME CLASSIFICATION

The Doctorate's Degree programme is a three-year full-time programme comprising of coursework and research, with a total of 160 credits. There are 80 credits of coursework, including both taught courses and residency (50%), and 80 credits of research (50%). The coursework will be taught in Semesters 1 and 2 of Year 1 (35 credits), and residency will be conducted in Semesters 5 and 6 of Year 3 (45 credits). The research component will begin in Semester I (Year 1) and continue through Semester 5 (Year 3) of the programme.

2. ADMISSION REQUIREMENTS

1. The admissions requirements to enroll in the Doctor in Dental Public Health (DrDPH) programme are as follows:

    a. Master of Community Oral Health, University of Malaya (UM) with a minimum CGPA of 3.0, or equivalent recognised qualifications approved by the Senate.

    b. Master in Dental Public Health other than Master of Community Oral Health, UM must have a Bachelor of Dental Surgery qualification or other equivalent qualification.

    c. Candidates with a qualification other than Master of Community Oral Health, UM must pass any other requirements set by the faculty from time to time.

    d. Having at least two (2) years of clinical experience after obtaining a bachelor's degree.

    e. Registered with the Malaysian Dental Council (MDC) and holding a current Annual Practicing Certificate (APC) or registered with the dental regulatory body of another country and eligible to be granted a Temporary Practicing Certificate (TPC) by the MDC

2. English Language Requirements:

Fulfils English Competency Requirement for 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

a. Obtain a band 6.0 for each component of the International English Language Testing System (IELTS); OR

b. Pearson Test of Academic English (PTE Academic) with minimum score of 42; OR

c. English Language subject at A-level with Grade C and above; OR

d. Cambridge English: First (FCE) grade C and above; OR

e. Cambridge English: Advance (CAE) Grade C and above; OR

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

g. 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 50% coursework (80 credits) and 50% research (80 credits) components. The programme comprises six (6) core courses, a residency training, three (3) elective courses, and a research project.

a. **Core Courses**: Five (5) faculty's core courses, one (1) core course from the Department of Social and Preventive Medicine, UM, a research thesis (80 credits), and residency training (45 credits) have to be

completed and passed with a GPA of at least 3.0 each in the respective semester.

b. **Elective Course:** Candidates are required to take a 9 credits elective course offered by the Department of Community Oral Health and Clinical Prevention and the Department of Social and Preventive Medicine, Faculty of Medicine, UM. The elective course must be 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 (PLO)** for the Doctor in Dental Public Health programme:

PLO1 - Demonstrate a critical and in-depth knowledge and understanding in the relevant field. (Cluster 1)

PLO2 - Synthesise existing and new knowledge in one or more discipline areas to resolve practical problems. (Cluster 2)

PLO3 - Conduct rigorous and independent research or investigation with minimal supervision. (Cluster 2)

PLO4 - Adapt evidence based clinical procedures or oral health promotion and/or behaviour change techniques for proficient patient management in the relevant field. (Cluster 3.1)

PLO5 - Display interpersonal skills in resolving issues in the dental practice or the society. (Cluster 3.2)

PLO6 - Communicate and interact effectively with patients, specialists and general audience. (Cluster 3.3)

PLO7 - Select suitable digital and analytical tool techniques to resolve problems. (Cluster 3.4 & 3.5)

PLO8 - Demonstrate intellectual leadership qualities and management skills. (Clutster 3.6)

PLO9 - Demonstrate commitment to lifelong learning and personal development. (Cluster 4)

PLO10 - Adhere to ethical, professional and sustainable practices. (Cluster 5)

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 2024.

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 made.

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 made prior to a candidate's embarkation on the research work.

8. SUBMISSION OF RESEARCH THESIS

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) 2024.**
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 and elective courses which comprise:

- Quizzes
- Assignments
- Logbooks
- Clinical Audit Project
- Peer-assessment
- Reflection
- Class participation
- Community Project Report
- Debate
- Seminar/Oral Presentations
- Field supervisors' assessment
- Competency test

CORE COURSES:
Each **core course** in the Doctor in Dental Public Health programme has its own weightage of assessments as shown below:

DWJ 8012 – ADVANCED RESEARCH METHODOLOGY IN HEALTH SYSTEMS

- Continuous Assessment contributes 100% (assignments, peer-assessment, 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, oral presentation, journal club, and quiz)
- Final result will either be PASS or FAIL with GRADES

DWJ 8008 – COMMUNITY ORAL HEALTH

- Continuous Assessment contributes 100% (community project report, oral presentation, peer-assessment, community assessment, supervisor assessment)
- Final result will either be PASS or FAIL with GRADES

DWJ 8009 – CLINICAL PREVENTIVE DENTISTRY

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

DWJ 8010 – RESIDENCY

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

DWJ 8011 – ADMINISTRATION IN DENTAL PUBLIC HEALTH

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

DWJ 8013 –THESIS

- Formative assessment: (proposal defense, proposal defense report, candidature defense, candidature defense report)
- Continuous Assessment contributes 100%: final thesis and viva voce
- Final result will either be: a pass without having to make corrections, a pass with minor correction to be done within a period not exceeding 3 months, a major correction to be done not exceeding 6 months, or fail.

Note: Refer to Section 10, Examination of thesis

MWA 8005 - HEALTH POLICY AND LEADERSHIP

- Continuous Assessment contributes 50% (participation in class/forum, seminar and reports)
- Final examination contributes 50%
- Final result will either be PASS or FAIL with GRADES

ELECTIVE COURSES:

Each **elective course** in the Doctor in Dental Public Health programme has its own weightage of assessments as shown below:

DWJ 8006 – ADVANCED BIOSTATISTICS

- Continuous Assessment contributes 100% (Practical test, debate and lecturer observation)
- Final result will either be PASS or FAIL with GRADES

DWJ 8007 – QUESTIONNAIRE DESIGN FOR ORAL HEALTH SURVEY

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

Elective Courses offered by the Department Social Preventive Department, Faculty of Medicine

MWA 8001 – Advanced Research Methods
MWA 8005 – Health Policy and Leadership
MWA 8035 – Epidemiological Methods and Practice in Public Health
MWA 8039 – Social and Behavioural Sciences in Public Health Practices
MWA 8036 – Safety, Health and Human Resource Management
MWA 8037 – Advanced Data Analysis
MWA 8038 – Epidemiology of Diseases

Note: For further information on Elective Courses from the Social Preventive Medicine Department, please refer to the Doctor in 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:

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

i. 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.

ii. 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 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 thesis 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) 2024.**

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 (in Program Standards), if any, of the Faculty with which he is registered for the programme of study.

No.	DPH competency based on DrDPH Program Standards	Minimum Requirement
1	Appraise the role and function of the national, state and district healthcare management system	1
2	Appraise the principles of health care economics to appropriate dental issues	1
3	Perform an oral health needs assessment of the population through situational analysis	3
4	Revise adequacy and allocation of resources to optimise execution of oral health programmes for the population	1
5	Design intervention and strategies for the prevention and control of oral diseases and promotion of oral health	1
6	Organise the implementation of oral health programmes	1
7	Monitor the effectiveness of oral health programme	1
8	Evaluate outcomes of oral health programmes	3

9	Formulate a health policy/ guideline for effective interventions to promote oral health	1
10	Evaluate an existing health policy/performance indicator	1
11	Design clinical intervention programmes for high risk individuals or groups	2
12	Adapt comprehensive risk-assessment for oral diseases among high risk individuals in the clinical and community settings	2
13	Perform personalised preventive clinical dental intervention and behavioural management in high risk patients	5
14	Design a research project to address important Dental Public Health issues	1
15	Manage research activities based on sound methodological principles	1
16	Display integrity in the design, conduct and criticism of research	1
17	Adapt research findings to inform stakeholders in the formulation of public health policies and practices	1
18	Display effective presentation skills in communicating research work at scientific meetings	1
19	Display effective negotiation skills with strategic partners in promoting oral health for the community	1
20	Display the ability to involve the community in improving their own oral health and well-being through a shared decision-making process	1
21	Display ability to adhere to the Dental Act, guidelines, standard operating procedures and relevant legislations in the practice of dentistry and public health	1
22	Make decisions aligned with vision, values and evidence	1
23	Perform as an effective team member	1
24	Demonstrate multi-sectoral working ability	1
25	Consider a variety of information sources to obtain scientific papers and other evidences such as guidelines	3
26	Appraise systematically scientific evidence on different approaches in improving oral health	3
27	Formulate guidelines for effective interventions to promote oral health	1
28	Organise and undertake programme/ clinical audit project(s)	1

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) 2024.**

(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) the thesis is first submission for examination;

(b) not exceeding the maximum duration of study;

(c) recommended as excellent by one of the examiners in the examiner's report;

(d) the performance of the candidate during viva voce examination is excellent;

(e) the research output has been published or accepted for publication as prescribed for the requirement for graduation of the programme; and

(f) recommended by the Committee of Examiners

13. AWARD OF THE DOCTORAL DEGREE WITH DISTINCTION

A candidate who has met the requirements for graduation as provided in Regulations 59 and 60 may be awarded a Doctoral Degree (with distinction) if he/she:

(a) has achieved a final CGPA of 3.70 and above;

(b) has never failed any courses;

(c) has never repeated any courses throughout his programme of study;

(d) the thesis is recommended as Excellent by the Committee of Examiners based on the examiners' report;

(e) the thesis and coursework component has been completed and submitted by the candidate for examination not exceeding six (6) semesters from the date of the candidate's initial registration;

(f) the thesis is his first submission for examination; and

(g) fulfills all other requirements determined by the Faculty from time to time.

DOCTOR IN ORAL MAXILLOFACIAL PATHOLOGY AND ORAL MEDICINE

MODE: BY CLINICAL COURSEWORK

Program (Director) Coordinator: Dr. Chan Siew Wui

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 post registration clinical experience in dentistry after Bachelor degree, 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 Universiti Malaya; AND

(4) Pass the interview (exemption may be given for candidates who have obtained the degree of Master of Oral Science, Universiti Malaya); AND

(5) Fulfill 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) Obtained 60 for the Internet-based total (IBTCentre based) for Test of English as a Foreign Language (TOEFL) or a score of 8.5 for TOEFL Essentials (Online); OR

(b) Obtained a minimum score of band 6.0 or band according to programme standard in the International English Language System (IELTS); OR

(c) Obtained a minimum score of 59 for the Pearson Test of Academic English (PTE Academic); OR

(d) Obtained a score of 169 for the Cambridge English Qualifications and Tests B1 Preliminary, B2 First, C1 Advanced, C2 Proficiency, B2 Business Vantage, C1 Business Higher, Linguaskill Online, or a score of 250 for the Occupational English Test (OET) (Conventional/Online); OR

(e) Obtained a minimum band of 4.0 for the Malaysian University English Test (MUET).

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) Demonstrate advanced knowledge in Oral Maxillofacial Pathology and Oral Medicine to support accurate diagnosis, and evidence-based patient care.

   ii) Provide comprehensive and holistic specialist healthcare management in the field of Oral Maxillofacial Pathology and Oral Medicine.

   iii) Conduct original research in Oral Maxillofacial Pathology and Oral Medicine in compliance with professional standards of practice.

iv) Adapt evidence-based clinical procedures to evolving practices for effective patient management in Oral and Maxillofacial Pathology and Oral Medicine.

v) Apply interpersonal and professional skills to effectively manage and resolve issues in clinical specialist practice in Oral and Maxillofacial Pathology and Oral Medicine

vi) Communicate effectively and work collaboratively with colleagues, healthcare professionals, relevant agencies, and patients to promote and achieve optimal oral health outcomes.

vii) Critically appraise advances in scientific knowledge and technology in decision-making for evidence-based patient care; design and conduct research; and effectively disseminate findings in the field of Oral Maxillofacial Pathology and Oral Medicine.

viii) Exhibit leadership skills in planning and decision-making to improve outcomes in oral and maxillofacial health care.

ix) Integrate relevant information through lifelong learning to develop clinical reasoning and professional skills for solving complex problems in patient care and community oral health.

x) Adhere to legal, ethical, and professional codes of practice for the achievement and delivery of the highest standards of specialist care.

2. This programme shall consist of the following:

(a) Faculty Core course

(i) <u>Research Methodology course (DVX 8001)</u>

This course comprises intermediate and advanced levels 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 sessions 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) Thesis (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 Thesis (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 logbooks by the date prescribed by the department prior to the examination.

(iv) A candidate shall submit a summary of clinical experience (derived from his/her clinical logbooks) as evidence of fulfilling the minimum clinical requirements prescribed in the Program Standards for Doctor in Oral Maxillofacial Pathology and Oral Medicine, before the commencement date of the Second Professional examinations or by the date prescribed by the department:

I. Oral Maxillofacial Pathology
Reporting of surgical pathology cases, including smears
Minimum requirement: ≥1000 cases.

II. Oral Medicine

a. Experience in examination and diagnosis of a minimum of 400 new cases* comprising the following categories:

- oral mucosal disorders
- medically complex patients
- salivary gland disorders
- orofacial pain and temporomandibular disorders, and
- orofacial neurosensory disorders/genetic disorders

* Cases refer to any specific disease/condition. One patient may present with multiple presentations, and these can be regarded as different cases for examination and diagnosis.

b. Experience managing at least five patients in each of these categories with a total of 40 patients**:

- oral mucosal disorders
- medically complex patients
- salivary gland disorders, and
- orofacial pain and temporomandibular disorders

**These 40 cases are mutually inclusive of the minimum 400 new cases stipulated.

9. EXAMINATION

1) The examination leading to the degree of Doctor in Oral Maxillofacial Pathology & Oral Medicine (DrOMPathMed) by clinical coursework shall be the following:

a) Professional examination 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) Thesis (Oral Maxillofacial Pathology & Oral Medicine)

The examination for Thesis (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 Thesis (Oral Maxillofacial Pathology & Oral Medicine) examination unless he/she has

- satisfactorily completed the research proposal presentation and candidature defense presentation.
- submitted his/her thesis not later than **ONE** month before the Thesis (Oral Maxillofacial Pathology & Oral Medicine) examination.

c) Professional Examination 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 viva-voce)	30%
	c) Practical (including viva-voce)	30%
Section B	Continuous assessment	**40%**
	Grand Total	**100%**

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

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

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

Component	Assessment
Thesis evaluation	Pass/Fail (refer below for grading)
Viva Voce	

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

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

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

c) Professional Examination II

The components of the Professional examination II 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 Examination I:

(i) candidates who obtained 60-64 marks must attend the viva voce conducted by the related examiner(s); and

(ii) ifthe candidate shows satisfactory performance, the marks will be raised to 65 upon recommendation by the examiners.

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

The committee of examiners shall consider the examiner reports for thesis, candidate thesis and *viva voce* examination according to **University of Malaya Rules and Regulations (Doctorate Degree) 2024** 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 degree 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 degree 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 thesis 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 thesis examination and is not allowed to submit a thesis 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 Examination I.

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

i) is 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 degree 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 degree subject to the candidate making major corrections in a period not exceeding six (6) months and confirmed by the supervisor and internal examiner.

c) Professional Examination II

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 (DrOMPathMed) degree programme and be refused re-admission to the programme.

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

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

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

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 (DrOMPathMed) 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 Professional Examination I or the Professional Examination II if he/she has:

a) obtained 80% 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 Oral Maxillofacial Pathology & Oral Medicine (DrOMPathMed) if he/she has:

a) passed the Professional Examination I, Thesis (Oral Maxillofacial Pathology & Oral Medicine) and Professional Examination II for the degree of Doctor in Oral Maxillofacial Pathology & Oral Medicine (DrOMPathMed) 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 Oral Maxillofacial Pathology & Oral Medicine (DrOMPathMed) (with Distinction) if he/she has:

a) passed with Distinction in the Professional Examination I, Thesis (Oral Maxillofacial Pathology & Oral Medicine) and Professional Examination II for the degree of Doctor in Oral Maxillofacial Pathology & Oral Medicine (DrOMPathMed) as prescribed above; and

b) not repeated the Professional Examination I, Thesis (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 Thesis (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;

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

Program (Director) Coordinator: Associate Professor Dr. Yasmin Kamarudin

1. PROGRAMME OF STUDY

The Doctor in Orthodontics (DrOrth) is a 3-year, full-time programme with a 30% research component, designed for dental graduates with a master's 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 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

i) Minimum requirement:

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

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

ii). 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.

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

a. Obtained 60 for the internet-based total (IBT- Center based) for the Test of English as a Foreign Language (TOEFL) or a score of 8.5 for the TOEFL Essentials (Online);
b. Obtain at least Band 6 in the International English Language System (IELTS);
c. Pearson Test of Academic English (PTE Academic) with a minimum score of 59**;**
d. English Language subject at A-level with Grade C and above
e. Cambridge English: First (FCE) grade C and above
f. Cambridge English: Advance (CAE) Grade C and above
g. Cambridge English: Proficiency (CPE) Grade C and above
h. Malaysian University English Test (MUET) with minimal band 4

v) *Bahasa Malaysia* Requirement for non-Malaysian candidates with foreign dental degree (any ONE of the following):

a. Pass in Bahasa Malaysia or Bahasa Melayu at the Sijil Pelajaran Malaysia level;
b. Level III in the Sijil Bahasa Malaysia or Bahasa Melayu Universiti or at an equivalent level; or
c. Pass the Bahasa Malaysia or Bahasa Melayu exemption assessment as set by the University; or
d. Pass the Bahasa Malaysia or Bahasa Melayu exemption assessment as set by the University, for non-citizen candidates.
e. 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) Demonstrate a critical, in-depth knowledge and understanding in Orthodontics.

ii) Synthesise existing and new knowledge in one or more discipline areas to resolve practical problems.

iii) Conduct rigorous and independent research or investigation with minimal supervision.

iv) Adapt evidence based clinical procedures for proficient patient management in orthodontics.

v) Display interpersonal skill in resolving issues in orthodontic practice.

vi) Communicate and interact effectively and interact with patients, specialists and general audience.

vii) Select suitable digital and analytical tool techniques to resolve problems.

viii) Demonstrate intellectual leadership qualities and management skills.

ix) Demonstrate commitment to lifelong learning and personal development.

x) Adhere to ethical, professional and sustainable practices.

2. This programme shall consist of the following:

a. Faculty Core course

<u>Research Methodology course (DVX 8001)</u>

This course comprises intermediate and advanced levels 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 sessions 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

Thesis (Orthodontic) (DYH 8002)

This course encompasses all aspects of research from development of a research proposal to the submission of a research write-up in the form of a research thesis. An experienced supervisor in research will supervise the trainee in the specialty of Orthodontics. They will be able to independently conduct research work in the 1st year to 3rd year in accordance with ethics and morals in research. In the middle of the final year, they will be able to submit their research 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 journals.

Orthodontic (DYH 8003)

Clinical training will start with seminars, workshops, clinics, journal clubs and multidisciplinary combined clinics in Year I and continue up to Year III. This specialty training in orthodontics 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 at providing 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 weeks at recognised orthodontic centres abroad such as the United Kingdom in the second semester of their second year. In summary, this programme is designed to prepare a higher clinical doctorate programme in orthodontics for 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 other supervisor(s) may be required for the research component.

7. FIELD OF RESEARCH

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

The candidate is required to satisfactorily complete the research proposal presentation and candidature defence 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 the Thesis (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 completion of the course.

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 assessments shall be held during Semester 1, Year 1 of the programme of study.

b. Thesis (Orthodontics) DYH8002

The examination for Thesis (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 Thesis (Orthodontics) examination unless he/she has:

- satisfactorily completed the research proposal and candidature defence presentation.
- submitted his/her Thesis not later than **ONE** month before the Thesis (Orthodontics) examination.

c. Final Professional Examination DYH18630

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/she has:

- attained 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 for examination by the date prescribed by the department prior to the Final Professional examination.

2. Examination Components and Allocation of Marks

- 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	Allocation of Marks (Maximum)
A	Assignment	10%
B	Report	50%

C	Written test	40%
	Grand Total	**100%**

b. Thesis (Orthodontics) (DYH8002)

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

Component	Assessment
Thesis evaluation	Pass/Fail (refer below for grading)
Viva Voce	

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

c. Final Professional Examination (DYH18630)

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* (Year I)	• OSCE (8%) • Written test (8%) • Work based assessment (WBA) (2%)	18%
	Continuous assessment* (Year II)	• Written test (8%) • WBA (2%) • Audit (1%) • Overseas attachment (1%)	12%
	Continuous assessment* (Year III)	• Structural clinical reasoning (8%) • WBA (2%)	10%
	Total		**40%**

B	Written test		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 Thesis (Orthodontics) Examination:

The committee of examiners shall consider the examiner reports for thesis, candidate thesis and *viva voce* examination according to **University of Malaya Rules and Regulations (Doctorate Degree) 2024** to recommend whether the candidate will be awarded a distinction

I. has achieved sufficient academic merit to be awarded a degree without the need to make amendments/corrections.
II. has achieved sufficient academic merit to be awarded a degree subject to the candidate making minor corrections in a period not exceeding three (3) months and confirmed by the supervisor.
III. has achieved sufficient academic merit to be awarded a degree subject to the candidate making major corrections in a period not exceeding six (6) months and confirmed by the supervisor and internal examiner.
IV. is required to do further research and submit a thesis for re-examination within six (6) to twelve (12) months.
V. does not achieve academic merit and recommends to the committee of examiners that the candidate has failed in thesis examination and is not allowed to submit a thesis for re-examination.

4. Requirements for Passing an Examination

Research Methodology (DVX8001)

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

At least 65% marks for the overall assessment marks

Thesis (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 degree without the need to make amendments/corrections; or a degree 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).

Final Professional Examination (DYH18630)

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

a) at least 65% in Component A (Continuous Assessment).
b) 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 repeat the course

b. Thesis (Orthodontics) (DYH8002) Re-Examination

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

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

iii) A candidate shall not be permitted to submit the thesis for re-examination on more than two occasions.

iv) A candidate who fails the Thesis re-examination on the second occasion shall be deemed to have failed the Thesis 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.

v) A candidate can still sit for the Final Professional Examination of the Orthodontics course if he/she has not passed this Thesis course, however, he/she cannot graduate.

c. Final Professional (DYH18630) Re-Examination

A candidate who does not achieve the requirements shall be subject to the provisions stipulated in the **Universiti Malaya (Doctorate's Degree) Rules and Regulations 2024**

10. 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

a. Satisfied the Board of Examiners for the Research (Orthodontics)

b. Passed the Final Professional Examination for the degree of Doctor in Orthodontics AND achieved the other Requirements below:

(i) Presented research findings at least once in any research conference.
(ii) Submitted a manuscript for publication related to the research.
(iii) Satisfactory completion of a Clinical Audit related to Orthodontics.
(iv) Satisfactory completion of a Clinical Attachment as prescribed by the Committee of the Discipline and approved by the Dean.

11. AWARD OF THE DEGREE WITH DISTINCTION

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

(a) has achieved at least a grade A for all the Core Courses in the professional examination;

(b) has never failed any courses;

(c) has never repeated any courses throughout his programme of study;

(d) has completed the programme of study within a period not exceeding six (6) Normal Semesters from the first semester of registration of the candidate;

(e) the dissertation is recommended as Excellent by the Committee of Examiners based on the examiner's report; and

(f) the dissertation has never been submitted for re-examination.

DOCTOR IN PROSTHODONTICS

MODE: BY CLINICAL COURSEWORK

Program (Director) Coordinator: Dr Mohd Azmi Abdul Razak

1. PROGRAMME OF STUDY

Doctor in Prosthodontics programme is a clinical coursework with 30% research component. This specialty training in prosthodontics involves the scientific basis of the theoretical, laboratory and clinical instructions in fixed and removable prosthodontics including implant and maxillofacial prosthodontics. Training is also aimed at providing adequate knowledge and experience in designing and conducting a research project.

2. ADMISSION REQUIREMENTS

1. Bachelor of Dental Surgery or equivalent qualification,
2. Master's degree in dental sciences or equivalent qualification as required by HEP. The Master programme must have a total Student Learning Time (SLT) ranging from 1600 – 2000 hours. A minimum of 800 – 1000 hours of this programme must include foundation specialty component in Prosthodontics, or equivalent, which contributes towards the specialty training,
3. The candidate must enrol into the three-year programme directly upon graduation from the master programme, or not more than two (2) years after graduation,
4. Registered with the Malaysian Dental Council (MDC) and holds current Annual Practising Certificate (APC) for local candidates,
5. Proof of registration with the dental regulatory body in another country for international candidates,
6. A minimum of two (2) years clinical practice after a basic degree, excluding the Master's training,
7. Verified by a Registered Medical Practitioner, University's Student Health Clinic that the applicant has a satisfactory level of health and is not suffering from any disease or any physical disability that could interfere with the study at the University; and fulfilled all immunization requirement specified for the academic programmes; AND

8. 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 following):

(a) Obtained 60 for the Internet-based total (IBTCentre based) for Test of English as a Foreign Language (TOEFL) or a score of 8.5 for TOEFL Essentials (Online); OR
(b) Obtained a minimum score of band 6.0 or band according to programme standard in the International English Language System (IELTS); OR
(c) Obtained a minimum score of 59 for the Pearson Test of Academic English (PTE Academic); OR
(d) Obtained a score of 169 for the Cambridge English Qualifications and Tests B1 Preliminary, B2 First, C1 Advanced, C2 Proficiency, B2 Business Vantage, C1 Business Higher, Linguaskill Online, or a score of 250 for the Occupational English Test (OET) (Conventional/Online); OR
(e) Obtained a minimum band of 4.0 for the Malaysian University English Test (MUET).

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 Prosthodontics programme, graduates should be able to:

1. Demonstrate a critical and in-depth knowledge and understanding in the field of prosthodontics.

2. Synthesise existing and new knowledge in one or more discipline areas to resolve practical problems.

3. Conduct rigorous and independent research or investigation with minimal supervision.

4. Adapt evidence-based clinical procedures for proficient patient management in the field of prosthodontics.

5. Display interpersonal skills in resolving issues in the field of prosthodontics.

6. Communicate and interact effectively and interact with patients, specialists and general audience.

7. Select suitable digital and analytical tool techniques to resolve problems.

8. Demonstrate intellectual leadership qualities and management skills.

9. Demonstrate commitment to lifelong learning and personal development.

10. Adhere to ethical, professional and sustainable practices.

2. This programme shall consist of the following components:

a) Faculty Core Course:

1. Research Methodology (DVX8001)

This course comprises intermediate and advanced levels 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 sessions 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 Course:

i) Dissertation (Prosthodontics)

Research component leading to the submission of thesis.

ii) Prosthodontics I

Teaching, training and coursework in Fixed and Removable Prosthodontics including implant, maxillofacial prosthodontics and conducting clinical audit.

iii)Prosthodontics II

Teaching, training and coursework in Fixed and Removable Prosthodontics including implant and maxillofacial prosthodontics. Clinical attachment in the specialty option, in the Faculty of Dentistry, Universiti Malaya or clinical training centre recognised by the University over a period of two (2) semesters

5. COURSE REGISTRATION

Registration for 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 research 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.

- 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 or at six-month intervals for a posting longer than six months.

7. FIELD OF RESEARCH

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

8. SUBMISSIONS

(1) A candidate shall submit his/her thesis in semester five (5) by the date prescribed by the department/faculty/university prior to the examination.

(2) 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 of Prosthodontics by clinical coursework shall be the:

- Research Methodology (DVX8001)

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

- Part I Professional Examination (at the end of the Prosthodontics I programme);

- Thesis;
- Final Professional Examination (at the end of the Prosthodontics II programme).

(2) No candidate shall be permitted to sit for the Part I Professional Examination unless he/she has satisfied the clinical requirement set by the Department.

- Submitted his/her logbook/case reports for examination prior to the Part I Professional Examination by the date prescribed by the department.

(3) No candidate shall be permitted to sit for the Final Professional Examination unless he/she has:

- Passed the Part I Professional Examination
- Submitted his/her logbook/case reports for examination prior to the Final Professional Examination by the date prescribed by the department. .

(4) Candidates shall satisfy the requirements for thesis examination before sitting for examination of the research component.

(5) Examination of components and allocations of marks.

- 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	Allocation of Marks (Maximum)
A	Assignment report	50%
B	Written test	50%
	Grand Total	**100%**

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

- Part I Professional Examination

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

	Components	Weightage
Section A	Theory & Clinical components	**60%**
Section B	Continuous assessment	**40%**

- Final Professional Examination

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

	Components	Weightage
Section A	Clinical Examinations	**60%**
Section B	Continuous Assessment	**40%**

- Thesis

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

	Components
Formative Assessment	Evaluation/ Feedback/ Candidature Defense
Examination	i. Thesis Evaluation ii. Viva voce

- Examination assessment

  (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	

- Requirements for Passing an Examination:

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

1. Part 1 Professional Examination:

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

2. Final Professional Examination

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

3. Thesis

   - The thesis shall be examined, evaluated and recommended by each examiner according to **University of Malaya (Doctoral Degree) Rules and Regulations 2024** as to whether the candidate:

     - is awarded a distinction in thesis;

- has attained sufficient academic merit without any amendments/corrections;
- has attained sufficient academic merit for the candidate to make minor corrections within a period of not exceeding three (3) months and verified by the Supervisor;
- has attained sufficient academic merit for the candidate to make major corrections within a period of not exceeding six (6) months and verified by the Supervisor and Internal Examiner;
- is required to undertake further work and submit the dissertation for re-examination within the period of six (6) to twelve (12) months;
- has not attained academic merit and may recommend to the Committee of Examiners that the candidate has failed in the thesis examination and is not allowed to submit the thesis for re-examination.

- Mark and grade will not be given in the examination of a thesis.

- The candidate shall be required to attend a *viva voce* with respect to his thesis. The Committee of Examiners has the authority to determine the method of conducting a *viva voce* of the thesis 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.

4. A candidate must fulfill the minimum clinical requirements prescribed in the Program Standards for Doctor in Prosthodontics (2025) as below:

"The trainee must manage at least a total of **20 cases**, of which **must** include the followings:

Scope of oral rehabilitation procedures	Minimum Clinical Requirements
Tooth wear	3 cases (of which at least 2 are completed cases – moderate to complex)
Prosthodontics (moderate to severe degree of complexity) – Fixed, removable and combination	8 cases (of which 2 cases involve all laboratory procedures for the prosthesis fabrication)

Implant prosthodontics – Fixed, removable and combination	4 cases (of which 2 cases must include all laboratory procedures for the prosthesis fabrication)
Occlusal equilibration/ Temporomandibular Disorders	2 cases
Maxillofacial Prosthetics	3 cases (of which 1 case must include all laboratory procedures for the prosthesis fabrication)

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(8) Repeating an Examination

c. Part I Professional Re-Examination

- A candidate who has not achieved the above requirement shall be subjected to the provisions stipulated in the Universiti Malaya (Doctoral Degree) Rules and Regulations.

- Continuous assessment marks shall be determined accordingly by the department.

- A candidate who failed the Part 1 Professional Examination twice consecutively will be deemed as failure with no return.

d. Final Professional Re-Examination

- A candidate who has not achieved the above requirement shall be subjected to the provisions stipulated in the Universiti Malaya (Doctoral Degree) Rules and Regulations.

- Continuous assessment marks shall be determined accordingly by the department.

- A candidate who failed the Final Professional Examination twice consecutively or has exceeded the maximum candidature period will be deemed as a failure with no return.

e. Thesis Re-Examination

- A candidate's research thesis 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.

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

(9) Appeal

A candidate who is not satisfied with his examination results including the continuous assessment component and/or final examination of the course may appeal for a review of his examination results. The appeal shall be made within seven (7) days from the official date of announcement of his examination results

Refer to the Universiti Malaya (Doctoral Degree) Rules and Regulations 2024.

10. AWARD OF PASS WITH DISTINCTION FOR THE EXAMINATION

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

- Obtained 80% 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; and

- Not failed any component of the prescribed examinations; and;

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

11. AWARD OF THE DEGREE

A candidate may be awarded the degree of Doctor of Prosthodontics if he/she has:

1. passed the Part I and Final Professional Examination for the degree of Doctor of Prosthodontics as prescribed above; and

2. passed the thesis component; and

3. satisfactorily fulfilled the requirements of Research Methodology course;

12. AWARD OF THE DEGREE WITH DISTINCTION

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

b. Passed with Distinction in the Part I and Final Professional Examinations for the degree of Doctor of Prosthodontics as prescribed above; and

c. Not repeated the Part I and Final Professional Examination or any part of the programme of study except on medical or compassionate grounds acceptable to the Faculty; and

d. Obtaining a distinction thesis results in a thesis examination; and

e. Not failed any component/subcomponent of the prescribed examinations; and

f. 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

Program (Director) Coordinator: Dr. Norul Husna Mohamad Hassan

b. 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 standards. The programme will also advance knowledge, teaching and learning in periodontology through quality research and education for the nation and for humanity.

c. ADMISSION REQUIREMENTS

a. Bachelor of Dental Surgery or equivalent qualification

a. Master's Degree in Oral Science from UM and other equivalent qualifications in related fields. Applicants with qualifications other than a Master of Oral Science from UM must pass the interview and other requirements set by the Faculty.

b. The candidate must enrol into the three-year programme directly upon graduation from the master programme, or not more than two (2) years after graduation,

c. Registered with the Malaysian Dental Council (MDC) and holds current Annual Practising Certificate (APC) for local candidates,

d. Proof of registration with the dental regulatory body in another country for international candidates,

e. A minimum of two (2) years clinical practice after a basic degree, excluding the Master's training,

f. Verified by a Registered Medical Practitioner, University's Student Health Clinic that the applicant has a satisfactory level of health and is not suffering from any disease or any physical disability that could interfere with the study at the University; and fulfilled all immunization requirement specified for the academic programmes; AND

g. 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 following):
   a. Obtained 60 for the Internet-based total (IBTCentre based) for Test of English as a Foreign Language (TOEFL) or a score of 8.5 for TOEFL Essentials (Online); OR
   a. Obtained a minimum score of band 6.0 or band according to programme standard in the International English Language System (IELTS); OR
   b. Obtained a minimum score of 59 for the Pearson Test of Academic English (PTE Academic); OR
   c. Obtained a score of 169 for the Cambridge English Qualifications and Tests B1 Preliminary, B2 First, C1 Advanced, C2 Proficiency, B2 Business Vantage, C1 Business Higher, Linguaskill Online; OR
   d. Obtained a minimum band of 4.0 for the Malaysian University English Test (MUET).

d. DURATION OF STUDY

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

e. STRUCTURE OF PROGRAMME OF STUDY

a. Programme Learning Outcomes:

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

1. Demonstrate a critical, in-depth knowledge and understanding in Periodontology.

2. Synthesise existing and new knowledge in one or more discipline areas to resolve practical problems.

3. Conduct rigorous and independent research or investigation with minimal supervision.

4. Adapt evidence based clinical procedures for proficient patient management in periodontics.

5. Display interpersonal skill in resolving issues in periodontic practice.

6. Communicate and interact effectively and interact with patients, specialists and general audience.

7. Select suitable digital and analytical tools to resolve problems.

8. Demonstrate intellectual leadership qualities and management skills.

9. Demonstrate commitment to lifelong learning and personal development.

10. Adhere to ethical, professional and sustainable clinical practices.

b. This programme shall consist of the following:

c. Faculty Core course

1. Research Methodology course (DVX 8001)

This course comprises intermediate and advanced levels 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 sessions 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.

d. Programme Core Courses

1. Thesis (Periodontology) (DYF 8002)
The learning strategies include writing research proposals, completing ethical and grant applications, conducting research and writing the thesis. Formative assessment includes continuous monitoring of research progress via research presentation and progress report by the appointed supervisors.

2. Periodontology I (DYF 8003)

The learning strategies include a combination of conventional and non-conventional teaching and learning activities such as simulation, lecture, seminar, clinical session (inclusive of non-surgical and surgical periodontal therapy, and multidisciplinary management), journal club, assignment and assignment presentation, case report and case presentation, undergraduate clinical supervision and clinical audit. The formative assessments include feedback given on seminar presentation, assignments and presentation, journal club, case presentation, and clinical sessions.

3. 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 (focusing on advanced periodontal surgical management and dental implant therapy), journal club, assignment and assignment presentation, case report and case presentation, undergraduate clinical supervision and local/oversea clinical attachment. The formative assessments will be carried out during seminar presentation, assignments and presentation, journal club, case presentation, and clinical sessions.

e. The scope of the programme is given in the Course Proforma and Course Information as given by the department carrying out the specialty programme.

f. 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.

g. ACADEMIC SUPERVISION

d. The appointment of a research 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.
e. 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.

h. FIELD OF RESEARCH

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

i. The candidate is required to satisfactorily complete the research proposal presentation and candidature defense during the course of the research project.

i. SUBMISSIONS

d. A candidate shall submit his/her dissertation in semester five (5) by the date prescribed by the department/faculty/university before the examination.

iii. 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.

iv. A candidate shall submit his/her clinical logbook by the date prescribed by the department prior to the Final Professional examination.

j. EXAMINATION

1. 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.

2. The examination leading to the degree of Doctor in Periodontology (DrPerio) by clinical coursework shall be the:

- Research Methodology (DVX8001)

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

c. Part I Professional examination

The Part I Professional examination shall be held at the end of semester 4, Year 2 of the programme of study. No candidate shall be permitted to sit for the Part I Professional examination unless he/she has:

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

d. Thesis (Periodontology)

The examination for Thesis (Periodontology) shall be held at the end of Semester 5 or early Semester 6, Year 3 of the programme of study. No candidate shall be permitted to sit for the Thesis(Periodontology) examination unless he/she has satisfactorily completed the research proposal presentation and candidature defense presentation.

e. Final Professional Examination

The Final Professional examination shall be held at the end of Semester 6, Year 3 of the programme of study. No candidate shall be permitted to proceed to the Final Professional examination unless he has:

a) passed the Part I Professional examination.; and
b) submitted his/her case reports and logbook for examination by the date prescribed by the department prior to the Final Professional examination.

3. Examination Components and Allocation of Marks

i. 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) Assignment – 20% (b) Clinical Viva (trial exam) - 20% (c) Theory/Written (trial exam) – 25% (d) Work-Based Assessments - 10% (e) Year 1, Summative Assessment – 25%	40%
Section B	**Professional Examination** (a) Theory/Written – 50% (b) Clinical Viva - 15% (c) Clinical Case Report – 10% (c) Viva Voce – 25%	60%
	Grand Total	**100%**

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

b) Thesis (Periodontology) examination

The components of the Thesis (Peridontology) examination shall be as follows:

Component	Assessment
Thesis evaluation	Pass/Fail (refer below for grading)
Viva Voce	

Candidates are required to attend the viva voce for the Thesis.
Marks and grades will not be given in the Thesis 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 – 10% (b) Assignment – 10% (c) Work-Based Assessment - 10% (d) Local Clinical (KKM) Attachment - 10% (e) Theory/Written Exam I (mid-year exam) – 15% (f) Theory/Written Exam II (trial exam) - 15% (g) Clinical viva (trial exam) - 30%	40%
Section B	**Professional Examination** (a) Theory/Written – 50% (b) Clinical Case Report – 10% (c) Case Report Viva - 15%	60%

	(d) Viva Voce (unseen case) – 20% (e) Logbook - 5%	
	Grand Total	**100%**

Local clinical (KKM) attachment will be assessed according to full attendance with feedback from the Consultant and written report from the candidate.

4. Examination Assessment

Marking Scheme

iv) 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	

v) For the Part I Professional examination:

c) candidates who obtained 60-64 marks must attend the viva voce conducted by the related examiner(s); and

d) If the candidate shows satisfactory performance, the marks will be raised to 65 upon recommendation by the examiners.

c) For the Thesis (Periodontology) Examination:

The committee of examiners shall consider the examiner reports for thesis, candidate dissertation and *viva voce* examination according to **University of Malaya Rules and Regulations (Doctorate Degree) 2024** to recommend whether the candidate

vi) will be awarded a distinction

vii) has achieved sufficient academic merit to be awarded a Degree without the need to make amendments/corrections.

viii) has achieved sufficient academic merit to be awarded a degree subject to the candidate making minor corrections in a period not exceeding three (3) months and confirmed by the supervisor.

ix) has achieved sufficient academic merit to be awarded a degree subject to the candidate making major corrections in a period not exceeding six (6) months and confirmed by the supervisor and internal examiner.

x) is required to do further research and submit a dissertation for re-examination within six (6) to twelve (12) months.

xi) 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.

5. 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. Thesis (Periodontology) Examination

(i) is 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 degree 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 degree subject to the candidate making major corrections in a period not exceeding six (6) months and confirmed by the supervisor and internal examiner.

(a) 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.

6. Repeating an Examination

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

(a) 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.

(b) 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.

- Final Professional Re-Examination

1. 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.

2. 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.

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

7. Appeal

A candidate who is not satisfied with his examination results including the continuous assessment component and/or final examination of the course may appeal for a review of his examination results. The appeal shall be made within seven (7) days from the official date of announcement of his examination results

Refer to the Universiti Malaya (Master's Degree) Rules and Regulations 2024.

PART IX (MASTER'S DEGREE) Regulations 52 – APPEAL AGAINST EXAMINATION RESULTS

8. Minimum clinical requirement for the programme of Doctor in Periodontology

A candidate shall submit a summary of clinical experience (derived from his/her clinical logbooks) as evidence of fulfilling the minimum clinical requirements prescribed in the Program Standards for Doctor in Periodontology, before the commencement date of the Final Professional examinations or by the date prescribed by the department, as follows:

	PROCEDURE	MINIMUM CLINICAL REQUIREMENTS
a	**Management of cases**	
	• Periodontitis	45 (70% should be new periodontitis cases and of complexity 2 and 3)
	• Non-periodontitis and/or related cases (acute lesions, gingival overgrowth, peri-implantitis)	
	• Multidisciplinary cases (Perio-Restorative/Prosthodontic/Endo/Orthodontic/Oral Surgery and Special Needs/Medically compromised patients)	
	• Supportive Periodontal Therapy"	
b	**Non-surgical procedures**	
	• Scaling and root surface debridement (with and without antibiotic)	50
	• Re-Scaling and root surface debridement (with and without antibiotic)	
C	**Basic Periodontal Surgical Procedures**	
	• Open flap debridement/Access flap	30
	• Osseous defect management • Osteoplasty/osteotomy	
	• Furcation management (tunneling/hemisection/root resection)"	
d	**Advanced Periodontal Surgical Procedures**	
	• Regenerative/ reconstructive surgery • Bone substitute (e.g. autogenous)	4
	• Guided tissue regeneration (GTR)	
	• Combine procedures (GTR and bone substitute/biomolecule/active biomolecule e.g. Emdogain, growth factors)"	
e	**Mucogingival/ Periodontal Plastic Surgery**	
	• Gingivectomy	5
	• Crown lengthening	5
	• Root coverage	1
	• Soft tissue ridge augmentation	1
	• Frenectomy/Frenotomy	2
f	**Hard tissue ridge preservation/expansion**	

	• Socket preservation	2
	• Guided bone regeneration (GBR)	1
	• Lateral sinus graft and/or vertical sinus graft	Optional
g	**Other procedures**	
	• Implant placement	2
	• Endo single canal cases	2
	• Endo molar cases	Optional
	• Biopsy	1
	• Periodontal therapy with special device (Electrocautery, laser, piezosurgery machine, photodynamic therapy (PDT), PRF machine)	Optional
	• Peri-implantitis management	Optional

9. 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:

1. Obtained 80% 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; and

2. Not failed any component of the prescribed examinations; and;

3. 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.

10. AWARD OF THE DEGREE

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

b. passed the Part I Professional examination, Thesis (Periodontology) and Final Professional examination for the degree of Doctor in Periodontology (DrPerio) as prescribed above; and

c. satisfactorily fulfilled the requirements of the Research Methodology course.

11. AWARD OF THE DEGREE WITH DISTINCTION

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

c. passed with at least Distinction in the Research Methodology course; AND awarded a distinction in the Thesis (Periodontology) course; AND passed with Distinction in the Part I and the Final Professional examinations for the degree of Doctor in Periodontology (DrPerio) as prescribed above; and

d. not repeated the Part I Professional examination, Thesis (Periodontology) examination or the Final Professional examination or any part of the programme of study leading to Part I Professional examination, the Thesis (Periodontology) examination or the Final Professional examination except on medical or compassionate grounds acceptable to the Faculty.

e. Not failed any component/subcomponent of the prescribed examinations;

f. completed the programme of study in a period not exceeding six (6) ordinary semesters from the initial semester of candidate registration.

DOCTOR IN RESTORATIVE DENTISTRY

MODE: BY CLINICAL COURSEWORK

Program (Director) Coordinator: Dr. Nora Sakina Mohd Noor

1. PROGRAMME OF STUDY

The scope of Restorative Dentistry training encompasses the comprehensive diagnosis and management of patients who require low to high complex treatment of operative, endodontics, prosthodontics, periodontics and implantology. Training also exposes candidates to a multidisciplinary health team and imparts an understanding of the socio-economic consequences of providing a comprehensive dental service for all types of communities and evaluate alternative procedures and technologies appropriate for different socioeconomic resources in relation to the national oral health policies.

2. ADMISSION REQUIREMENTS

1. Bachelor of Dental Surgery or equivalent qualification,
2. Master's degree in dental sciences or equivalent qualification as required by HEP. The Master programme must have a total Student Learning Time (SLT) ranging from 1600 – 2000 hours. A minimum of 800 – 1000 hours of this programme must include foundation specialty component in Restorative Dentistry, or equivalent, which contributes towards the specialty training,
3. The candidate must enrol into the three-year programme directly upon graduation from the master programme, or not more than two (2) years after graduation,
4. Registered with the Malaysian Dental Council (MDC) and holds current Annual Practising Certificate (APC) for local candidates,
5. Proof of registration with the dental regulatory body in another country for international candidates,
6. A minimum of two (2) years clinical practice after a basic degree, excluding the Master's training,
7. Verified by a Registered Medical Practitioner, University's Student Health Clinic that the applicant has a satisfactory level of health and is not suffering from any disease or any physical disability that could interfere with the study at the University; and fulfilled all immunization requirement specified for the academic programmes; AND

8. 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 following):

- Obtained 60 for the Internet-based total (IBTCentre based) for Test of English as a Foreign Language (TOEFL) or a score of 8.5 for TOEFL Essentials (Online); OR
- Obtained a minimum score of band 6.0 or band according to programme standard in the International English Language System (IELTS); OR
- Obtained a minimum score of 59 for the Pearson Test of Academic English (PTE Academic); OR
- Obtained a score of 169 for the Cambridge English Qualifications and Tests B1 Preliminary, B2 First, C1 Advanced, C2 Proficiency, B2 Business Vantage, C1 Business Higher, Linguaskill Online, or a score of 250 for the Occupational English Test (OET) (Conventional/Online); OR
- Obtained a minimum band of 4.0 for the Malaysian University English Test (MUET).

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 Restorative Dentistry programme, graduates are able to:

   - Synthesise knowledge and apply evidence-based approach for the safe, effective and efficient practice in the field of restorative dentistry at a specialist level
   - Adapt evidence based clinical procedures for proficient patient management in the field of restorative dentistry;
   - Conduct research independently
   - Provide expert advice to society in the field of Restorative Dentistry
   - Adhere to legal, ethical and professional codes of practice;
   - Display leadership qualities through communicating and working effectively with peers and stakeholders
   - Generate solutions to problems using scientific and critical thinking skills;
   - Exhibit attributes of independent lifelong learners;
   - Display skills in clinical governance

2. This programme shall consist of the following components:

a) Faculty Core Course:

3. Research Methodology (DVX8001)

This course comprises intermediate 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 sessions 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 Course:

i) Dissertation (Restorative Dentistry) (DYE 8002)

Training is also aimed to provide adequate knowledge and experience is designing and conducting a research project in the field of Restorative Dentistry

ii) Restorative Dentistry I (DYE 8003)

Teaching, training and coursework in Restorative Dentistry which comprises Endodontics, Prosthodontics and Periodontics.

iii) Restorative Dentistry II (DYE 8004)

Teaching, training and coursework in Restorative Dentistry which comprises Endodontics, Prosthodontics and Periodontics. Clinical attachment in the specialty option, in the Faculty of Dentistry, Universiti Malaya or clinical training centre recognised by the University.

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.

- The consultant appointed to the candidate shall also submit a report on the candidature clinical progress to the Head of Department at the end of each posting and six months' interval for a posting longer than six months.

7. FIELD OF RESEARCH

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

8. SUBMISSIONS

(1) A candidate shall submit his/her dissertation in semester five (5) by the date prescribed by the department/faculty/university prior to the examination.

(2) A candidate shall submit his/her logbook by the date prescribed by the department prior to the examination.

9. ASSESSMENT & EXAMINATION

1. The examinations leading to the degree of Doctor of Restorative Dentistry by clinical coursework shall be the:

- Part I Professional Examination (at the of the Restorative Dentistry I programme);
- Part II Professional Examination (at the end of the Restorative Dentistry II programme);
- Dissertation.

2. No candidate shall be permitted to sit for the Part I Professional Examination unless he/she has:
   - Fulfilled the minimum clinical requirement prescribed in the programme standards for Doctor in Restorative Dentistry
   - Satisfied the clinical requirement set by the Department.

3. No candidate shall be permitted to sit for the Part II Final Professional Examination unless he/she has:
   - Passed the Part I Professional Examination
   - Submitted his/her logbook and case reports for examination prior to the Part II Professional Examination.

- Fulfilled the minimum clinical requirement prescribed in the programme standards for Doctor in Restorative Dentistry
- Satisfied the clinical requirement set by the Department.

The minimum clinical requirement for the programme of Doctor in Restorative Dentistry are as follows:

Scope Restorative Dentistry	Minimum Clinical Requirements		
	Details	For Part I Professional Examination	For Part II Professional Examination
Prosthodontics *Total of at least 14 patients for Fixed, removable and/or combination*	Full mouth rehabilitation *Treatment should be started before sitting for part I Professional Examination*	-	2 patients
	Aesthetics management *Treatment should be started before sitting for part I Professional Examination*	-	2 patients
	Crown *Must include at least 1 analogue case*	20 cases	10 cases
	Bridge *In a single patient or in multiple patients*	1 case	3 cases
	Resin boned bridge *Does not count towards the total number of bridge cases*	2 cases	-
	Post & Core build-up	5 cases	1 case
	Denture *May be either a cobalt–chromium or an acrylic denture* *One patient with both maxillary and mandibular dentures is counted as one case.* *One patient with a single denture (either maxillary or mandibular) — counted as one case* *Treatment should be started before sitting for part I Professional Examination*	-	2 cases
	Occlusal Splints	1 case	1 case
	Laboratory work – Crowns / bridge (All metal/ all ceramic/ metal ceramic) *Must include at least one analogue case*	4 cases	-

Implant Dentistry	Implant treatment planning, placement and prosthesis *Total implant cases*	1 case	2 cases
	Implant treatment planning, placement and prosthesis – with laboratory work *Must include all lab steps for prosthesis fabrication* *Counts toward the total implant cases*	1 case	-
	Implant treatment planning, placement and prosthesis including socket preservation / sinus augmentation / SCTG / FGG *Counts toward the total implant cases*	1 case	-
Endodontics	Primary root canal treatment on molar	15 cases	5 cases
	Primary root canal treatment on anterior / premolar	15 cases	5 cases
	Secondary root canal treatment on anterior / premolar / molar *Not an additional requirement, but part of the overall primary root canal treatment requirement above*	10 cases	2 cases
	Management of endodontic problems *Excludes secondary root canal treatment* *Includes perforation repair, ledge management, instrument retrieval, or apical plug*	6 cases	2 cases
	surgical endodontics *For surgical endodontics procedure - clinical exposure as operator or assistant is accepted*	-	1 case
Operative Dentistry	Indirect onlay/ inlay/ veneer	3 cases	1 case
	Direct intracoronal occlusal restoration	10 cases	5 cases
	Direct intracoronal anterior proximal restoration	10 cases	5 cases
	Direct intracoronal posterior proximal restoration	10 cases	5 cases
Periodontics	Non-surgical root debridement *Counted per case*	10 cases	-
	Surgical crown lengthening / Open flap debridement *Counted per case* *Involvement as either operator or assistant in the integrated clinical management of the patient*	4 cases	-

4. Candidates shall satisfy the requirements for research dissertation examination before sitting for examination of the research component.

5. Examination of components and allocations of marks shall be as follows:

COMPONENT	ASSESSMENT CRITERIA
Part I Professional Examination	**Continuous assessment (40%)** • Seminars - 6% • Pre-clinical requirements - 3% • Case reports and presentations (x4) - 14% • Theory examination - 15% • Clinical audit report and presentation - 2% **Part I Professional Examination (60%)** • Theory paper 1 - 15% • Theory paper 1 - 15% • Long clinical viva examination - 15% • Short clinical viva examination - 15% To pass the course, the candidate must obtain **65% or more** of the marks for each component: ● Continuous assessment ● Part I Professional Examination **Failure in the course** If a candidate fails the course, the candidate shall be subjected to the provisions stipulated in the Universiti Malaya Rules and Regulations 2024.
Part II Final Professional Examination	**Continuous assessment (40%)** • Attachment posting assessment - 5% • Case report and presentation (x1) - 15% • Trial examination - 5% • Log book - 10% • DOPS (Direct Observation of Procedural Skills) - 5% **Part II Final Professional Examination (60%)** • Clinical viva examination - 30% • Case report viva examination - 30% To pass the course, the candidate must obtain **65% or more** of the marks for each component: ● Continuous assessment

	• Part II Final Professional Examination **Failure in the course** If a candidate fails the course, the candidate shall be subjected to the provisions stipulated in the Universiti Malaya Rules and Regulations 2024.
Dissertation	**Formative assessment** • Evaluation • Feedbacks • Candidature defence **Examination** • Dissertation evaluation • Viva voce

6. Examination assessment

(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	

7. Requirements for Passing an Examination

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

3. Part 1 Professional Examination:

- The candidate must obtain 65% or more of the marks for each section A and B and
- 65% or more of the aggregate combined marks for section A and B

4. Part II Professional Examination

- The candidate must obtain 65% or more of the marks for each section A and B and
- 65% or more of the aggregate combined marks for section A and B.

(c) Dissertation

(c) The dissertation shall be examined, evaluated and recommended by each examiner according to **Universiti Malaya Rules and Regulations (Doctorate Degree) 2024** as to whether the candidate:

1. is awarded a distinction in dissertation;
2. has attained sufficient academic merit without any amendments/corrections;
3. has attained sufficient academic merit for the candidate to make minor corrections within a period of not exceeding three (3) months and verified by the Supervisor;
4. has attained sufficient academic merit for the candidate to make major corrections within a period of not exceeding six (6) months and verified by the Supervisor and Internal Examiner;
5. is required to undertake further work and submit the dissertation; for re-examination within the period of six (6) to twelve (12) months;
6. has not attained academic merit and may recommend to the Committee of Examiners that the candidate has failed in the dissertation; examination and is not allowed to submit the dissertation; for re-examination.

(d) Mark and grade will not be given in the examination of a dissertation.

(e) 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.

(8) Repeating an Examination

(iii) Part I Professional Re-Examination

(iv) A candidate who has not achieved the above requirement shall be required to repeat the whole Restorative Dentistry I course and to re-sit the Part 1 Professional Examination.

(v) Continuous assessment marks shall be determined accordingly by the department.

(vi) A candidate who failed the Part 1 Professional Examination twice consecutively will be deemed as fail with no return.

(iv) Part II Professional Re-Examination

(d) A candidate who has not achieved the above requirement shall be required to repeat the whole Restorative Dentistry II course and to re-sit the Part II Professional Exam.

(e) Continuous assessment marks shall be determined accordingly by the department.

(f) A candidate who failed the Part II Professional Examination twice consecutively or has exceeded the maximum candidature period will be deemed a failure with no return.

(v) Dissertation Re-Examination

1. A candidate's research dissertation that is deemed unsatisfactory by the Committee of Examiners may be referred for further work over a period to be determined by the Committee of Examiners.

2. 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.

9. Appeal

A candidate who is not satisfied with his examination results including the continuous assessment component and/or final examination of the course may appeal for a review of his examination results. The appeal shall be made within seven (7) days from the official date of announcement of his examination results

Refer to the Universiti Malaya (Master's Degree) Rules and Regulations 2024.

PART IX (MASTER'S DEGREE) Regulations 52 – APPEAL AGAINST EXAMINATION RESULTS

10. AWARD OF PASS WITH DISTINCTION FOR THE EXAMINATION

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

- Obtained 80% 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; and
- Not failed any component of the prescribed examinations; and;
- Not repeated the prescribed examinations, any component of the prescribed examinations or any part of the programme of study leading to the prescribed examinations, except on medical or compassionate grounds acceptable to the Faculty.

11. AWARD OF THE DEGREE

A candidate may be awarded the degree of Doctor of Restorative Dentistry if he/she has:

1. passed the Part I and Final Professional Examination for the degree of Doctor of Restorative Dentistry as prescribed above; and

2. passed the dissertation component; and

3. 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 of Restorative Dentistry s (with Distinction) if he/she has:

1. Passed with Distinction in the Part I and Part II Professional Examination for the degree of Doctor of Restorative Dentistry as prescribed above; and

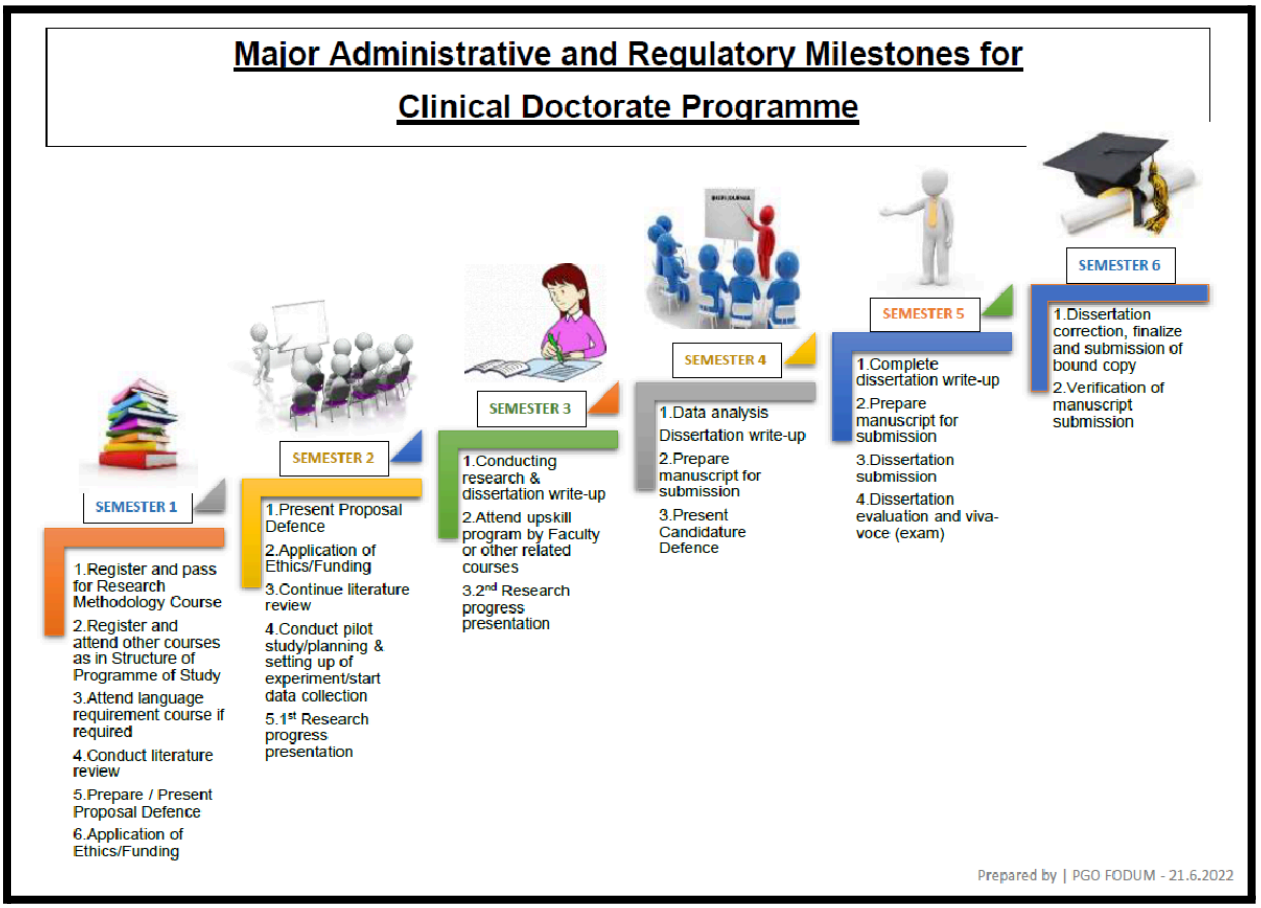
2. Not repeated the Part I and Part II Professional Examination or any part of the programme of study except on medical or compassionate grounds acceptable to the Faculty; and

3. Obtaining a distinction dissertation results in a dissertation examination; and

4. Not failed any component/subcomponent of the prescribed examinations; and

5. 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



MASTER OF DENTAL SCIENCE

MODE: BY RESEARCH

Program Coordinator: Professor Dr Chen Yeng

1. PROGRAMME COORDINATOR

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

2. COURSE COORDINATOR

- **Research Methodology (DMX7001):**
  - 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:

    h. Have at least three (3) years working experience in a related field; or
    a. Produce publications in related fields; or
    e. Is a scholarship recipient; or
    a. Is a graduate of the University of Malaya or;

- 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.

- 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):

    (b) 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

    (c) Obtained a minimum score of band 5.5 or band according to programme standard in the International English Language System (IELTS); OR

    (d) Pearson Test of Academic English (PTE Academic) with minimum score of 42; OR

    (e) English Language subject at A-level with Grade C and above; OR

    (f) Cambridge English: First (FCE) grade C and above; OR

    (g) Cambridge English: Advance (CAE) Grade C and above; OR

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

    (i) 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 thesis and the format is as provided in the University of Malaya (Master's Degree) Rules and Regulations 2024.
2. A candidate has to attend and pass the programme compulsory course, Research Methodology (DMX7001).
3. The curriculum is systematically developed to ensure that graduates acquire the knowledge, skills, and competencies required to fulfil the following three (3) Programme Educational Objectives (PEOs) outlined below:

Programme Educational Objectives (PEOs)	Description
PEO1	Graduates possess comprehensive knowledge, analytical thinking, and problem-solving skills to make critical and creative decisions in dental-related sciences or to specialize as professional practitioners in the field of dentistry.
PEO2	Graduates demonstrate the ability to conduct independent and rigorous research, and apply research knowledge effectively in the field of dental sciences.
PEO3	*Graduates communicate and disseminate research findings or provide expert consultation in an ethical, professional, and sustainable manner while exhibiting leadership and continuous personal development.*

4. The following are the programme learning outcomes for the Master in Dental Science programme:

Programme Learning Outcomes (PLO)	Description
PLO1	Demonstrate a critical and in-depth understanding of frontier knowledge by generating substantial and original contributions to the field of dentistry.

PLO2	Synthesise and integrate existing and new knowledge in one or more discipline areas to address challenges and concerns in the field of dentistry.
PLO3	Design and implement advanced methodologies to resolve complex and emerging problems.
PLO4	Communicate information, insights, ideas, problems and solutions cogently with experts in the field and general audience.
PLO5	Build rapport to work effectively as part of a team to achieve decided outcomes.
PLO6	Use suitable digital and analytical techniques to research problems.
PLO7	Demonstrate commitment to lifelong learning and professional development with an entrepreneurial mindset.
PLO8	Perform research adhering to legal, ethical, professional and sustainable practices.

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.

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.

10. SUBMISSIONS

The dissertation shall be written in English.

1. A candidate shall give a notice in writing to the Registrar of his/her intention to submit his/her thesis for examination.

11. EXAMINATION

A dissertation shall be examined, assessed and

- awarded a Pass with Distinction, Pass, or Fail; OR
- referred for corrections without re-examination; OR
- 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:

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

(d) it is recommended for a Pass with Distinction by the Committee of Examiners;

(e) 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

(f) 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 thesis 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 thesis 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.	● 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	● Completed Research Methodology course ● Fulfilment of language requirements ● Presented research proposal
2.	● 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	● Completed outline of thesis ● Submission of Publication 1 ● Completed Candidature Defence
3.	● Finalise chapters 1, 2 & 3 ● Finalise data analysis ● Begin chapter 4 & 5 ● Attend at least 1 courses in Upskill Program ● Submit 3 Months Notice	● Completed chapters 1, 2 & 3 ● Draft of chapters 4 & 5
4.	● Attend Thesis Bootcamp ● Finalize and submit thesis ● Committee of Examiners meeting	● Submission of thesis ● Outcome of Committee of Examiners meeting.

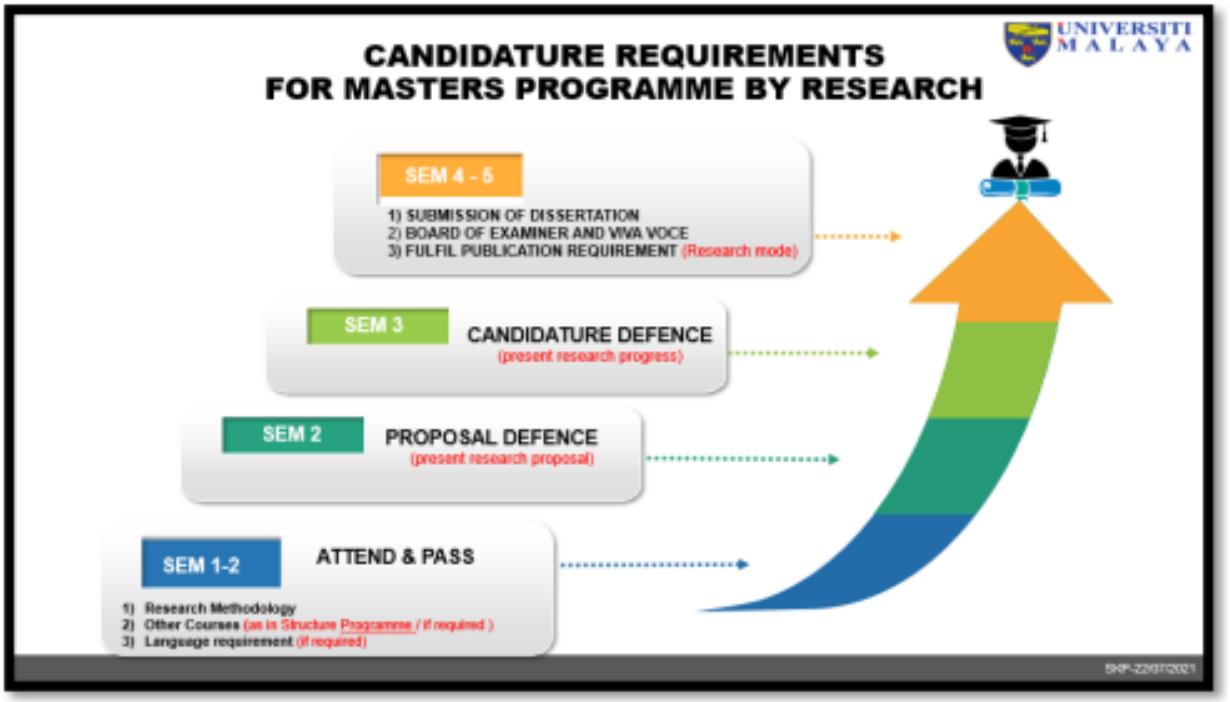
Notes:

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 thesis in languages other than English.


UNIVERSITI MALAYA
CANDIDATURE REQUIREMENTS
FOR MASTERS PROGRAMME BY RESEARCH
SEM 4 - 5
1) SUBMISSION OF DISSERTATION
2) BOARD OF EXAMINER AND VIVA VOCE
3) FULFIL PUBLICATION REQUIREMENT (Research mode)
SEM 3
CANDIDATURE DEFENCE
(present research progress)
SEM 2
PROPOSAL DEFENCE
(present research proposal)
SEM 1-2
ATTEND & PASS
1) Research Methodology
2) Other Courses (as in Structure Programme / if required)
3) Language requirement (if required)

DOCTOR OF PHILOSOPHY

MODE: BY RESEARCH

Program Coordinator: Dr. Alias Abd Aziz

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. PROGRAMME COORDINATOR

Dr. Alias Bin Abd Aziz
Department of Oral & Craniofacial Sciences

3. COURSE COORDINATOR

- **Research Methodology (DYX8001):**

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

4. 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

5. 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.

6. STRUCTURE OF PROGRAMME OF STUDY

1. This programme is a research programme leading to the submission of a thesis and the format is as provided in the University of Malaya (Doctorate Degree) Rules and Regulations 2024.

2. A candidate has to attend and pass the programme compulsory course, Research Methodology (DYX8001).

3. The curriculum is systematically developed to ensure that graduates acquire the knowledge, skills, and competencies required to fulfil the following three (3) Programme Educational Objectives (PEOs) outlined below:

Programme Educational Objectives (PEOs)	Description
PEO1	Graduates are able to deal with multidisciplinary problems by assimilating relevant information and using scientific and social science principles.
PEO2	Graduates have sufficient research capabilities to function as leading researchers and/or practitioners with specialization in their respective organizations.
PEO3	Graduates disseminate research outcomes and/or provide expert advice in ethical and professional conduct.

4. The following are the programme learning outcomes for the Doctor of Philosophy programme:

Programme Learning Outcomes (PLO)	Description
PLO1	Demonstrate a critical and in-depth understanding of frontier knowledge by generating substantial and original contributions to a field and/or practice
PLO2	Synthesise and integrate existing and new knowledge in one or more discipline areas to address challenges and concerns in the field of research
PLO3	Conduct rigorous research or investigation with sustainable self-independence
PLO4	Demonstrate intellectual leadership qualities and management skills
PLO5	Perform research adhering to legal, ethical, professional and sustainable practices

PLO6	Communicate cogently with experts in the field and general audience
PLO7	Use suitable digital and analytical techniques to research problems
PLO8	Demonstrate commitment to lifelong learning and professional development with entrepreneurial mindset

7. 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.

8. RESEARCH SUPERVISION

1. Research programmes are regulated by the Supervision Policy of Postgraduate Candidate, Universiti Malaya 2020.

2. The appointment of a supervisor shall be done at a point a candidate's field of research is approved.

a) Where necessary, the appointment of co-supervisor(s) and/or consultant(s) may be done.

b) 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.

3. 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.

4. 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 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.

10. 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.

11. 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.

12. 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.

13. AWARD OF THE DEGREE

For 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

14. 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.	●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	●Completed Research Methodology course ●Fulfilment of language requirements ●Presented research proposal	
2.	● 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	● Literature Review ●Thesis Plan/Outline of Thesis ●Submission of Publication 1 (review paper / experimental design)	●Candidates are strongly advised to use reference management software Eg: Mendeley, Bibtex, EndNote
3.	● Investigation and development of the proposed solutions. ● Data analysis ● Candidature Defence report writing ● Attend at least 2 courses in Upskill Program ● Candidature Defence	●Completed Candidature Defence	●Candidature Defence report should include data collection, findings, thesis outline
4.	● Experimentation and/or data analysis ● Thesis write-up (Chapter 1, 2 & 3) ●Preparation of manuscripts for submission of publication	●Submission of Publication 2 ●Completed drafts of three chapters	

	●Attend at least 2 courses in Upskill Program		
5.	●Thesis write-up (complete remaining chapters) ● Presentation of Thesis Seminar ●Submit 3 Months' Notice for thesis submission ● Attend Thesis Bootcamp	●Completed thesis draft ●Presented Thesis Seminar	
6.	● Finalize and submit thesis ● Prepare for viva voce	●Submission of thesis ● Viva voce	

Notes:

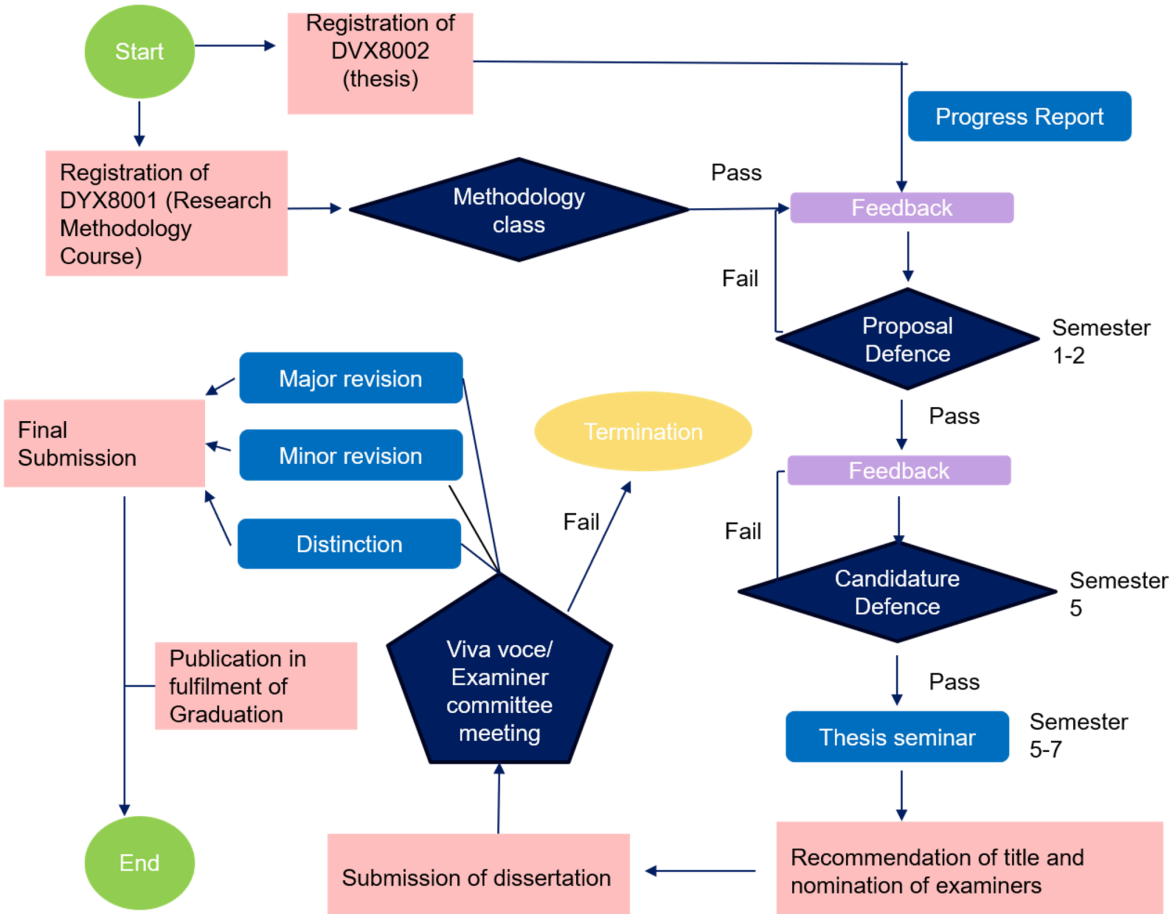
Monitoring Panel

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.

The Flow Chart Of Doctor Of Philosophy Towards Thesis Submission



Semester 3: ***Confirmation Defence*** *for fast-track candidate only*

RULES AND REGULATIONS

1. (Doctoral Degree) Regulations 2024

2. (Doctoral Degree) Rules 2024

3. (Master Degree) Regulations 2024

4. (Master Degree) Rules 2024