Program Specification

Misr University for Science and Technology

Faculty of Oral and Dental Surgery

Master's degree in Oral Medicine, Periodontology and Oral Diagnosis

Academic Year 2021/2022

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A- Basic Information:

Program Title	Master's degree in Oral Medicine, Periodontology & Oral Diagnosis
Program Type	Single
Responsible department	Conservative Dentistry Department (Oral Medicine, Periodontology, Oral diagnosis and Radiology Devision)
Sharing Departements	Pedodontic and public health Departement, Oral and Maxillofacial surgery Departement, Faculty of Medicine Departments: (Human Physiology, Microbiology and Immunology, Pharmacology, University requirements: (Computer and biostatistics, Advanced English TOEFL, Scientific writing and Research methodologies)
Program Co-ordinator	Prof. Hoda Elguindy - Professor of Oral Medicine, Periodontology، Oral Diagnosis and Radiology- Misr University for Science and Technology
Internal evaluator	Prof. Hala Salem Elmenoufy – Professor of Oral Medicine, Periodontology، Oral Diagnosis and Radiology and Dean of Faculty of Oral and Dental Surgery -Misr University for Science and Technology
External evaluator(s):	Prof. Azza Ezz Al-Arab Professor of Oral Medicine, Periodontology, Oral diagnosis and Radiology Faculty of Dentistry Cairo University – Dean of Faculty of Dentistry Ahram Canadian University.
Date of Program specification approval	Department Council: 1/2/2021 Faculty Council: 24/3/2021 No.(113)

B- Professional Information:

1- Overall Program Aims:

1. To acquire an ethically correct professional behaviour in solving Oral Medicine, Periodontology and Oral Diagnosis related problems (6.1, 12.1)
2. To apply knowledge about basic and Oral Medicine, Periodontology and Oral Diagnosis sciences in assessing patients, formulating treatment plan, and performing diverse treatment modalities at a professional level. (2.1,3.1, 16.1)
3. To develop a highly specilized professional skills for a quality-assured patient care in a professional and safe mode. (7.1
4. To carry out and lead a work-team based treatment plan- properly decided- relative to the urgencies and emergencies in the field of Oral Medicine, Periodontology and Oral Diagnosis related problems. (8.1,9.1
5. To plan an implant-based treatment for patients suffering from the consequences of periodontal diseases
6. To carry out correct implant positioning
7. To plan and monitor a maintenance therapy on a case-by-case basis
8. To get fully knowledgeable literature for critical discussion, and research study (10.1,
9. To develop and lead research projects and tools.(1-1) (14.1)
10. To acquire teaching skills through academic and professional development (13.1)

2- Intended Learning Outcomes (ILOS):

A- Knowledge and Understanding:

By the end of the master's program, the gradute will be able to:

A1- Identify the basic biomedical sciences relevant to the field of oral medicine and periodontology.
A2. Designate diverse oral mucosal lesions and relative extraoral manifestations.
A3. State management of oral manifestations of systemic diseases that affect dental tissues.
A4. Describe common oral mucosal lesions and their diverse treatment modalities
A5. Recall the quality control concept in research methodology and clinically
A6. Classify periodontal diseases
A7. List the different etiologic factors and the pathogenic processes for periodontal diseases
A8. Describe different evidence-based treatment modalities for periodontal diseases.
A9. Recognize the effect of the occupation on clinical dental profession.
A10. Mention the oral diseases treatment available in the updated scientific literature
A11. Demonstrate basic research models and ethical issues as set by the faculty regulations.
A12. Identify patient's confidentiality in oral and periodontal practice.

B- Intellectual Skills:

By the end of the master's program, the gradute will be able to:

B1. Discriminate between different oral mucosal lesions as well as periodontal diseases and conditions.
B2. Critically appraise different diagnostic methods including oral radiology relevant to oral mucosal and periodontal diseases
B3. Differentiate between signs and symptoms of systemic diseases that may affect dental treatment decisions.
B4. Critically appraise variable classifications of periodontal diseases.
B5. Discuss the relationship between periodontal diseases and systemic modifying factors including medications.
B6. Formulate a treatment plan for patients with oral mucosal and periodontal diseases.
B7. Assimilate the current concepts of other dental disciplines as oral radiology, oral pathology and medical genetics into oral medicine and periodontics.

B8. Evaluate recent evidence-based non-surgical and surgical techniques in periodontal therapy.
B9. Conduct a research on selected topic in oral medicine and periodontology within the frame of the faculty research plan.
B10. Evaluate patients at high risk for periodontal diseases and oral mucosal lesions.

C- Professional and Practical Skills:

By the end of the master's program, the gradute will be able to:

C1. Diagnose different oral mucosal lesions and periodontal diseases based on collected data and laboratory investigations when indicated.
C2. Resolve professionally clinical problems encountered in the field of oral medicine and periodontics.
C3. Select the necessary laboratory investigations according to the case needs
C4. Formulate a referral letter for another medical or dental specialty when needed.
C5. Express therapeutic treatment and instructions to patients with oral and periodontal diseases.
C6. Execute non-surgical treatment efficiently concerning to oral hygiene or plaque control.
C7. Express a prognosis based on the entire related factors.
C8. Develop a comprehensive evidence-based treatment plan.
C9. Document cases by means of clinical and radiographic records.
C10. Gather data from reports of medical and dental specialties including histopathology, ultrastructural and radiographical reports.

D- General and Transferable Skills:

By the end of the master's program, the gradute will be able to:

D1. Communicate effectively with patients to describe the nature of their periodontal health status.
D2. Cooperate effectively with dental and medical professionals.
D3. Utilize information technology to find the best evidence-based theories in the field including critical appraisal of research studies.
D4. Perform self-learning and self-assessment efficiently
D5. Discuss research findings including those in contradiction and agreement
D6. Accomplish delegated tasks in time
D7. Work efficiently as a member or as a leader in a multidisciplinary team.
D8.Evaluate performance of other colleagues in a professional manner
D9. Appreciate life- long learning.

3- Academic Reference Standards:

College ARS of Oral Medicine, Periodontology and Oral Diagnosis Master's Program are drived from NAQAAE General Standards of postgraduate Programs and Benchmarks of *General Dental Council, UK (Oral Medicine curriculum and Periodontology curriculum).*

Refer to Academic reference standards Appendix

4- Program Structure and Contents:

A- Duration of the Program: at least 2 years with 80 credit hours

B- Curriculum of the Program:

Credit hrs/week	Courses	Semester	Year
17 credit hours	Obligatory Courses	First Semester	Year I
6 credit hours	University Requirement Courses (obligatory)		
14 credit hours	Obligatory Courses	Second Semester	
4 credit hours	Elective Courses		
12 credit hours	Obligatory Courses	First Semester	Year II
12 credit hours	Obligatory Courses	Second Semester	
15 credit hours	Thesis dissertation research work		
80 credit hours	Total credit hours		

C-Levels of the Program (Credit Hour System)

Year/Semester	Credit Hour			
	Obligatory	University Requirements (Obligatory)	Electives	Thesis
Year 1/Semester 1	17	4	1	
Year 1/Semester 2	14	2	3	
Year 2/Semester 1	12			15
Year 2/Semester 2	12			
Total = 80	55	6	4	15

University Requirements

Six (6) credit hours are obligatory.

Total Credit Hours	Course title	Code
2	*Computer applications and biostatistics in specialty*	COMP 611
2	*Advanced English language or TOEFL*	ENGL 601
2	*Scientific writing and research methodologies*	SWRMD 601

Obligatory courses

Year 1, Semester: 1

Weekly Teaching hours			Course title	Code
Total Credit Hours	Contact Hours			
	Practical	Lecture		
3	2	2	*Oral Biology and embryology I*	OBIOL 701
3	2	2	*Oral and Maxillo-facial Pathology I*	OPATH 701
3	2	2	*Oral & Maxillofacial Radiology I*	ORAD 701
2	2	1	*General Medicine Dermatology*	GMED 701
3	2	2	*Pharmacology*	PHARM 701
3	2	2	*Human Physiology*	HPHYSG 701
17			Total	

Year 1, Semester: 2

Weekly teaching hours الساعات التدريسية الأسبوعية			Course title	Code
Total Credit Hours	Contact Hours			
	Practical	Lecture		
3	2	2	*Oral Biology and embryology* II	OBIOL 702
3	2	2	*Oral and maxillofacial Pathology II*	OPATH 702
3	2	2	*Basics and application microscope*	EM 702
2	2	1	*Laser applications in dentistry*	ALASD 702
3	2	2	*Microbiology and Immunology*	MICIM 702
14			Total	

Year 2, Semester: 1

Assignment ٪١٠	Weekly teaching hours			Course title	Code
	Total Credit Hours	Contact Hours			
		Practical	Lecture		
15	3	2	2	*Advanced oral medicine I*	OMED 801
15	3	2	2	*Advanced periodontology I*	PERIO 801
15	3	2	2	*Advanced clinical oral diagnosis I*	DIAG 801
10	2	0	2	*Genetics*	GENET 801
5	1	0	1	*Esthetic in dental practice*	RPROTH 831
	12				Total

Year 2, Semester: 2

Assignment ٪١٠	Weekly teaching hours			Course title	Code
	Total Credit Hours	Contact Hours			
		Practical	Lecture		
15	3	2	2	*Advanced oral medicine II*	OMED 802
15	3	2	2	*Advanced periodontology II*	PERIO 802
15	3	2	2	*Advanced clinical oral diagnosis II*	DIAG 802
15	3	2	2	*Peri-Implant soft tissue manegment*	PERIO 812
	12				Total

Elective Courses

Weekly teaching hours			Course title	Code
Total Credit Hours	Contact Hours			
	Practical	Lecture		
1	0	1	*Infection control*	INFC 7EL
1	0	1	*Dental Ethics*	DETH 7EL
1	0	1	*Principles of Evidence-based dentistry*	EVBD 7EL
1	0	1	*Experimental Animals (Laboratory)*	EXPAN 7EL
1	0	1	*Quality Assurance*	QUA 7EL
1	0	1	*Basic Diagnosis by Nuclear Radiation*	DIAGNR 7EL
1	0	1	*Tissue Engineering in Dental and Para dental tissues*	TEND 7EL
1	0	1	*Genetic Engineering*	GENE 7EL
1	2	0	*Dental Laboratory Technology*	DALBT 7EL
1	0	1	*Introduction to hospital management*	HOSPM 7EL
1	0	1	*Nutrition and oral health*	NUTOR 7EL
1	0	1	*Gene Technology*	GENTC

Weekly teaching hours			Course title	Code
Total Credit Hours	Contact Hours			
	Practical	Lecture		
				7EL
1	0	1	*Nantechnology*	NANTC 7EL
1	0	1	*Communication Skills*	COMS 7EL
1	0	1	*Information Technology*	INFTEC 7EL

5- Course Contents:

Refer to Course Specification Appendix

6- Program Admission Requirements:

For a student to register for a master's degree, the following is required:

1. Obtaining a bachelor's degree with a general grade of at least good and a grade of very good at least in the major from an Egyptian university or its equivalent from the Supreme Council of Egyptian Universities.
2. In the case of studying a bachelor's degree in the credit hour system, the applicant must have a cumulative average of no less than (2) equivalent to (C) and a number of points in the speciality for the credit hour not less than (2) equivalent to (C).
3. For international students who do not meet the previous conditions, the College's Postgraduate Studies Committee can determine what the student needs to study to complete the requirements.
4. He must have spent a year of internship. For expatriates, a training certificate from a government hospital or one of the approved medical centers certified by the embassy to which the applicant belongs.
5. That the student devote himself to studying.
6. Approval of the concerned department council after being presented to it, and the registration is considered valid from the date of approval of the faculty council on the department's nomination.
7. It is required that the student is not enrolled in any of the postgraduate degrees in any other university.
8. To submit a certificate of proficiency in the English language (Toefl certificate of at least 550 score) with a valid period of validity or a certificate of English language proficiency granted by a specialized center recognized by the university. For students who have not submitted an English language proficiency certificate, they must successfully complete the English language course offered by the university within the requirements of the university during the first year of studying the master's.
9. The student must submit an application that includes all the documents required for the university administration on the dates and in accordance with the rules established in these regulations.
10. Pay the prescribed fees before the start of the study and on the dates determined by the University's Postgraduate Studies Department.

7- Regulation of Progession and Program Completion:

The duration of study for a master's degree is at least two Gregorian years and a maximum of five years. The College Council may extend the registration for exceptional circumstances for one year only at the suggestion of the main supervisor, the department council and the graduate studies council at the college and university.
The study includes:

The First Part:

The duration of the study includes two semesters (the fall semester and the spring semester), each of 15 weeks, and the student studies in them:

1. Compulsory advanced scientific courses in basic medical sciences and basic dental sciences. The total credit hours for this part are 28 credit hours divided into 14 credit hours per week for each semester.This is in addition to 6 other credit hours for the compulsory university requirements.
1. Biostatistics and Computer Applications (2 credit hours).
2. Methods of scientific research and scientific writing (2 credit hours).
3. Advanced English Language (2 credit hours) and if the student obtains a valid TOEFL 550-degree certificate, he will be exempted from the course.
4. In the first part, the student also studies elective courses totaling four credit hours per week, to be determined with the academic supervisor from the attached schedule of elective courses.

The Second Part:

1. For the student to register for the second part of the courses, he must pass all the compulsory courses for the first part in addition to passing all the university requirements for the second part registration.
2. The student studies compulsory advanced courses in the specialization as well as carrying out modern scientific applications in the subject of the specialization. The total credit hours for this part are 24 credit hours per week divided into 12 credit hours per week for each semester (fall semester and spring semester).
3. It is not allowed to register for compulsory courses in the summer semester, except for university requirements. It is also allowed to register hours to work on the research thesis and complete clinical cases, as well as training and hospital shifts at the university hospital required by some departments.

Rules for withdrawal from program: The student have the right to withdraw from the course within eight weeks at most from the beginning of the study in the fall and spring semesters, and the student may not refund the tuition fees in case of withdrawal. In this case, the student's hours of this course are not calculated in the cumulative average, and a withdrawn grade (W) appears in his certificate.

Rules for transferring from one major to another in the college:

A student may transfer from one major to another, provided that the academic year ends and the relevant department councils agree and apply to him the admission rules in force when registering for the degree, taking into account the principle of equal opportunities and differentiation among applicants. Which the student succeeded in and compatible with the new program, with the approval of the department and graduate studies council and the college.

The student can transfer the hours of the courses he studied and succeeded in in any program that was removed from him if they fall within the courses necessary for the new program he wants to register with in the college, so that no more than 4 years have passed since his study and success, and he is required to apply for transferring these hours Within a month from the date of enrolling in the new program.

8- Teaching and Learning Methods:

Method	Program ILOs
1-Lecture	A1- A10, B1,B3,B4,B5, B10
2-Practical	C1-C10, B3,B4,B6,B10,D1,D2,D6, D7
3-Seminar	B7,B8,B9,D3,D5,D6,D9
4- Journal club	B7,B8,B9,D3,D5,D6,D9
5- Project	D3,D4,D7,D8,D9

9- Assessment of Students:

Type of Exam	Assessment Method	Program ILOs
Written	Short answered questions Case scenario Problem solving M.C.Qs E. M. I.	A1-A12, B1-B10
Oral	Viva cards	A1-A12, B1-B10
Practical/ Clinical	O S C E O S P E Checklists	C1-C10, D1, D2, D4, D6, D7
Assignment	Presentation Discussion	B7,B8,B9,D3,D5,D6,D8,
Formative	MCQ quiz	B1,B10

Distribution of Marks:

University Requirements

Six (6) credit hours are obligatory

Total	Self-learning	Lecture	Total Credit Hours	Course title	Code
100	40	60	2	*Computer applications and biostatistics in specialty*	COMP 611
100	40	60	2	*Advanced English language or TOEFL*	ENGL 601
100	40	60	2	*Scientific writing and research methodologies*	SWRMD 601

Obligatory courses

Year 1, Semester: 1

Total Grade	Exams			Course itle	Code
	Oral	Practical/ Clinical	Writing		
150	30	30	90	*Oral Biology and embryology I*	OBIOL 701
150	30	30	90	*Oral and Maxillo-facial Pathology I*	OPATH 701
150	30	30	90	*Oral & Maxillofacial Radiology I*	ORAD 701
100	30	20	50	*General Medicine Dermatology*	GMED 701
150	30	20	100	*Pharmacology*	PHARM 701
150	30	20	100	*Human Physiology*	HPHYSG 701
850				Total	

Year 1, Semester: 2

Total Grade	Exams			Course title	Code
	Oral	Practical/Clinical	Writing		
150	30	30	90	*Oral Biology and embryology* II	OBIOL 702
150	30	30	90	*Oral and maxillofacial Pathology II*	OPATH 702
150	30	45	75	*Basics and application microscope*	EM 702
100	20	20	60	*Laser applications in dentistry*	ALASD 702
150	30	30	90	*Microbiology and Immunology*	MICIM 702
700				Total	

Year 2, Semester: 1

Total Grade	Exams			Assignment ٪١٠	Course title	Code
	Oral	Practical/ Clinical	Writing			
150	30	30	75	15	*Advanced oral medicine I*	OMED 801
150	30	30	75	15	*Advanced periodontology I*	PERIO 801
150	30	30	75	15	*Advanced clinical oral diagnosis I*	DIAG 801
100	20	0	70	10	*Genetics*	GENET 801
50	10	0	35	5	*Esthetic in dental practice*	RPROTH 831
600					Total	

Year 2, Semester: 2

Total Grade	Exams			Assignment ٪١٠	Course title	Code
	Oral	Practical/ Clinical	Writing			
150	30	30	75	15	*Advanced oral medicine II*	OMED 802
150	30	30	75	15	*Advanced periodontology II*	PERIO 802
150	30	30	75	15	*Advanced clinical oral diagnosis II*	DIAG 802
150	30	30	75	15	*Peri-Implant soft tissue managment*	PERIO 812
600					Total	

Grading System:

نقاط التقدير	التقدير	درجة التقدير	النسبة المئوية
4.0	ممتاز	A	90-100
3.7	ممتاز	A-	85 to < 90
3.3	جيد جدا	B+	80 to < 85
3.0	جيد جدا	B	75 to < 80
2.7	جيد	B-	72.5 to < 75
2.3	جيد	C+	70 to < 72.5
2.0	جيد	C	67.5 to < 70
1.7	جيد	C-	65 to < 67.5
1.3	مقبول	D+	62.5 to < 65
1.0	مقبول	D	60 to < 62.5
0.0	راسب	F	< 60
0.0	غيرمكتمل	I	<60
0.0	منسحب	W	<60
0.0	منسحب اضطراري	FW	<60

10- Evaluation of the Program:

- Practical, laboratory and clinical exercises for each course in each program. The department should plan and prepare their own requirements to achieve the outcomes of the educational process. These requirements include practical, laboratory and clinical cases. The various requirements are a booklet for these practical activities (Logbook), and the student must write down his achievements of the requirements in this booklet and approved by one of the faculty members and the head of the department to allow entry to the exam for each subject.
- The practical assignment requirements determined by the professor of each course from different activities approved by the head of the department. 10% of the total final grades for each course are determined. The professor of the courses hands the student these assignments at the start of the study to be fulfilled.
- These assignments include, for example: Preparing a seminar or systematic research (review article) for specific topics or presenting and analyzing a group of different rare clinical cases, as well as carrying out various activities such as attending conferences or discussions of scientific thesis and participating in scientific seminars and other scientific activities.

Evaluator	Method	Sample Size
1- Senior students	Qustionaire	20-30%
2- Graduates	qustionaire	20-30%
3- Employers	qustionaire	30-50%
4- External evaluator	repat	30-50%
5- Internal evaluator	repat	30-50%
6- Others	repat	30-50%

D-Curriculum structure

Curriculum structure	Credit hours	Percentage %
Obligatory (University Requirements)	6 credit hours	7.5%
Basic sciences	14 credit hours	17.5%
speciality	41 credit hours	51.25%
Thesis	15 credit hours	18.75%
Elective	4 credit hours	5%
Total	80 Credit Hours	100%

Program Director: Prof. Hoda Elguindy

(Professor of Oral Medicine, Periodontology، Oral Diagnosis and Radiology- Misr University for Science and Technology)

Date: 1/2//2021

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