



October 6 University



Faculty of Dentistry

Program Specification

Masters of Periodontology

Approved by the faculty council number. (...)

Contents

		Topic	Page
1.		General	3
	1-1	Basic information	3
	1-2	Faculty staff	3
	1-3	External evaluation for the program	3
2.		Professional information	4
	2-1	Program aim	4
	2-2	Objectives	4
	2-3	Intended learning outcomes (ILOs)	6
	2-3-1	Knowledge and understanding	6
	2-3-2	Intellectual skills	6
	2-3-3	Professional skills	7
	2-3-4	General and transferrable skills	7
	2-4	Academic reference standards for the program	8
	2-5	Program structure and content	8
	2-6	Program matrix	9
	2-7	Academic plan	10
3.		Admission requirements	12
4.		Rules and regulations for progression within the program	12
5.		Teaching and learning methods	13
6.		Student assessment methods	13
7.		Program evaluation methods	13
8.		Annexes	

Faculty of Dentistry

Postgraduate Program Specification

1. GENERAL

1.1 Basic Information

Award	Program Title	Duration
MSc	Masters of Periodontology	2 years

Faculty	Faculty of Dentistry
Coordinator	Professor Hala Hassan Yasin
Assistant Coordinator	Associate professor Reham Lotfy Aggour
External Evaluator(s)
Awarding Institution	October 6 University, Faculty of Dentistry
Academic Standards	The national academic reference standards (NARS) for postgraduate programs
Program Commencement	10/2020
Date of Program
Specification Approval	

1.2 Faculty Members

..... CVs of staff members are attached
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1.3 Program External Reviewing

<p>Program reviewing was achieved by: An external evaluator was assigned for the program: Professor</p> <p>CV of external evaluator is attached – with external evaluator report.</p>

2. PROFESSIONAL INFORMATION

2.1 Program Aim

The program aims at preparing postgraduates who are capable of providing competent periodontal treatment through advanced education and research activities, a challenging learning environment, diversity in thinking and commitment to ethical and scientific standards.

2.2 Program Objectives

The Program aims at:

1. Delivering the latest academic theory and the cutting edge of clinical skills in Periodontology.
2. Enhancing the academic and scientific skills of postgraduate students as part of their career development in Periodontology.
3. Reinforcing and developing the principles of scientific research methodology as applied to Periodontology.
4. Fostering critical analysis of scientific and clinical approaches in Periodontology and the interrelated disciplines.
5. Producing clinically competent periodontists with a sense of professionalism, ethical and social responsibility.
6. Allowing effective interface with other disciplines so as to provide multidisciplinary care and management.

Graduate attributes

The graduate must be able to:

- 1.1. Achieve mastery of knowledge in the diverse disciplines involved in providing care for patients with periodontal disease
- 1.2. Apply the analytical method and use it in the field of Periodontology.
- 1.3. Master applications of the basics and methodologies of scientific research and use of its various tools.
- 1.4. Apply knowledge in the field of Periodontology and merge it with relevant knowledge in his professional practice.
- 1.4. Demonstrate an awareness of current insights in the field of Periodontology and the interrelationship between periodontal health and oral/systemic health.
- 1.5. deliver high quality periodontal therapy as an integral component of overall oral health care through the surgical and non-surgical approach based on sound clinical judgment and scientific principles
- 1.5. treat all types of periodontal patients, ranging from basic treatments to treatments including periodontal and mucogingival surgery and implantology
- 1.5. Identify problems in his practice and find solutions to them.
- 1.6. Master a range of appropriate professional skills and use appropriate professional technological means to serve his professional practice.

- 1.7. Communicate effectively and be able to lead teams.
- 1.8. Make decisions in different practice contexts
- 1.9. Utilize and maintain the highest use of available resources.
- 1.10. Demonstrate awareness of their role in community development and environmental preservation regarding global and regional variables.
- 1.11 Act in a manner that reflects compliance with integrity, credibility and professional ethics
- 1.12 Maintain academic, professional, and continuous learning development

2.3 Intended Learning Outcomes (ILOs) of the Program

2.3.1 Knowledge & understanding

By the end of this program the graduate should be able to:

- A.1 Recognize the principles of basic and clinical sciences relevant to Periodontology and its special relationship with clinical practice.
- A.2 Acquire an in-depth knowledge in the clinical, technical and scientific rationale for Periodontology.
- A.3. Recognize the relevance of systemic factors in the etiology of periodontitis
- A. 4. Describe bone replacement materials, membranes and biologic factors; advantages, disadvantages and indications.
- A.4. Describe principles and techniques of different treatment modalities in implantology and periodontology
- A.5 Describe scientific developments in diagnosis and treatment of periodontal diseases.
- A.6. Recognize importance of supportive periodontal therapy in ensuring long-term treatment success
- A.7 Describe the basic sedation and anesthesia techniques.
- A.7 Recognize fundamentals and ethics of scientific research
- A.8 Identify principles of quality in professional practice in the field of Periodontology
- A.9 Recognize legal principles of professional practice in Periodontology

2.3.2 Intellectual skills

By the end of this program the graduate should be able to:

- B.1 Analyze and evaluate information in the field of Periodontology.
- B.2 integrates knowledge in the basic and applied biological sciences with modern approaches to the diagnosis and treatment of periodontal diseases.
- B. 3. Classify periodontal cases based on the diagnostic parameters.
- B.4. Plan the optimal periodontal treatment for each patient
- B.5. Predict the prognosis based on scientific knowledge and individual patient situation.
- B.3 Evaluate, analyze and critically discuss the research literature published in Periodontology and related disciplines.
- B.4 Assess risks of professional practices in the area of Periodontology
- B.5 Plan for performance development in Periodontology and related disciplines.
- B.6 Conduct a research study on a research problem in the field of Periodontology
- B.7 Make career decisions in a variety of professional contexts.

2.3.3 Professional & practical skills

By the end of this program the graduate should be able to:

- C.1. Demonstrate competence in assessing the patient's medical history, obtaining consent, discussing prognosis and formulating a comprehensive, sequential treatment plan based on the diagnostic findings.
- C.2. Manage various types of periodontal diseases.
- C.3. Demonstrate a highly developed problem-solving abilities in Periodontology based on a multidisciplinary approach.
- C.4. Demonstrate specific skills in advanced clinical periodontology including contemporary surgical methods.
- C.5. Perform cosmetic periodontal procedures.
- C. 6. Provide placement and repair of dental implants and bone-related surgeries.
- C.7. Provide prophylactic periodontal procedures for restorative and esthetic procedures.
- C.8. Treat special patient populations (medically compromised, emotionally and physically disabled, developmentally disabled, and the geriatric population.)
- C.9 Assess and evaluate the result of the performed therapy
- C.10 develop ability to present research literature published in Periodontology coherently and effectively.
- C.11 Acquire the tools for career advancement in Periodontology and maintaining contentious education development through their career

2.3.4 General & Transferable skills

By the end of this program the graduate should be able to:

- D.1 Demonstrate skills in communication and presentation.
- D.2. Demonstrate skills in data-handling and the use of information technology consistent with the academic, clinical and research aspects of Periodontology
- D.3. Work in a team and lead teams in different contexts
- D.4. Evaluate himself and determine his personal learning needs
- D.5. Manage time effectively.
- D6. Exercise empathy and a caring attitude and maintain high ethical standards.
- D7. Evince keen interest in continuing professional education in their specialty and allied specialties irrespective of whether in teaching or practice.
- D8. Share the knowledge and skills with any learner, junior or a colleague.
- D9. Develop critical analysis skills of various concepts to adopt the most rational approach.

2.4 Program's Academic Reference Standards:

The national academic reference standards (NARS) for postgraduate programs as dictated by the National Authority of Quality Assurance and Accreditation of education in A.R.E. on March 2009.

2.5 Program structure and content

Duration:

Master's Degree study comprise of two parts:

First Part

Duration of study is 30 weeks throughout 2 semesters.

Semester I:

It comprises of instructions and contextual basic medical and dental science essential to acquiring broad spectrum knowledge of the general biological science related to the study fields. Practical training using various laboratory instruments and equipment will be an essential part of this semester. This semester will deal with introducing the students to research methodology required for his/her independent research problem solving. These contents will be taught over a period of 15 weeks.

Semester II:

This semester will include lectures in supportive dental science related to the fields of study, such as Oral Pathology, Oral Radiology, Oral Diagnosis, Material Science, and Occlusion. Clinical practice in supportive dental science will start in this semester. Upon completion of this semester and passing all courses of the first part (semester I, II) students will register for the research project in these specialties (dissertation) in collaboration with the research supervisor and the endorsement of the department and faculty council.

Second Part

The duration of study is at least 2 semesters during which the courses of the specialty and clinical practice will begin. Advanced specialized as well as secondary and complementary courses to the main field of specialty in addition to clinical practices in different fields of specialty will be delivered.

Semester III, IV:

These semesters will comprise a comprehensive clinical practice in the field of study. The didactic work in these semesters will be based on seminars, group discussion and literature review of the specialty field(s). Research component will continue throughout these semesters leading to the submission of the dissertation, in each specialty, not later than one month before the examination of the final (fourth) semester.

The preparation of the research component (scientific dissertation) is on a research project determined by the department's council in accordance to the overall faculty research plan endorsed by

the faculty council. The thesis is subjected to public discussion after at least one year of its registration and prior to sit for the final examination of the last semester. The credit hours allocated for the research project of the thesis is twelve hours which will be added to the semester credit hours reaching the total credit hour determined for each semester

2.5.2 Program Content

Course Code	C - ourse Name	Number of Hours			Subject Area According to NARS		
		Lecture	Practical	Contact	Basic Science	Medical &Dental Sciences	Complementary Sciences
AHN 101	Anatomy of The Head & Neck	1	2	3	2		
ORP101	Oral Pathology I	2	2	4	3		
DER101	Dental Radiology I	2	2	4		3	
ORB101	Oral Biology	1	2	3	2		
OMI101	Oral Microbiology & Immunology	1	2	3	2		
GEP101	General pathology	1	2	3	2		
GEM 101	General medicine and dermatology	1	2	3		2	
GEN101	Genetics	1		1	1		
BIS101	Biostatistics	1		1	1		
REM 101	Research Methodology	1		1			1
PHR 101	Pharmacology	2	2	4		3	
ORP202	Oral Pathology II	2	2	4	3		
DER202	Dental Radiology II	2	2	4		3	
ORD202	Oral Diagnosis	2	2	4		3	
IMP201	Implantology	1	2	3		2	
PEL203	Periodontal Literature I	3		3		3	
PRP 201	Preclinical Periodontology	1	2	3		2	
ORM 201	Oral Medicine	2	2	4		3	
PER301	Periodontology I	2	4	6		4	
TPS301	Treatment Plan Seminar I	3		3		3	
PEL302	Periodontal Literature II	3		3		3	
PCP301	Periodontal Case Presentation I	2	4	6		4	
IMP302	Implantology II	1	2	3		2	
SEA301	Sedation & Anesthesia	1		1		1	
PER402	Periodontology II	2	4	6		4	
PTS402	Treatment Plan Seminar II	3		3		3	
PEL403	Periodontal Literature III	3		3		3	
PCP402	Periodontal Case Presentation II	2	4	6		4	
IMP403	Implantology III	1	2	3		2	
Total		48 – 51%	46 – 48.9%	97	16 – 22%	57 – 77%	1 – 1.23%

2.6 Curriculum Map of Courses against Intended Learning Outcomes of the Program

Attached

2.7 Academic Plan

First semester

Code	Course Title	Pre-requisite	Credit hours		
			Lectures	Practical	Contact
AHN 101	Anatomy of The Head & Neck	-	1	2	3
ORP101	Oral Pathology I	-	2	2	4
DER101	Dental Radiology I	-	2	2	4
ORB101	Oral Biology	-	1	2	3
OMI101	Oral Microbiology & Immunology	-	1	2	3
GEP101	General pathology	-	1	2	3
GEN101	Genetics	-	1	-	1
BIS101	Biostatistics	-	1	-	1
REM 101	Research Methodology	-	1	-	1
REM 101	General Medicine	-	2	2	3
PHR101	Pharmacology	-	2	2	3
Total			15	16	31

Second semester

Code	Course Title	Pre-requisite	Credit hours		
			Lectures	Practical	Contact
ORP202	Oral Pathology II		2	2	4
DER202	Dental Radiology II		2	2	4
ORD202	Oral Diagnosis		2	2	4
IMP201	Implantology		1	2	3
PEL203	Periodontal Literature I		3	-	3
PRP 201	Preclinical Periodontology		1	2	3
ORM 201	Oral medicine		2	2	3
Total			13	12	25

Third semester

Code	Course Title	Pre-requisite	Credit hours		
			Lectures	Practical	Contact
PER301	Periodontology I		2	4	6
TPS301	Treatment Plan Seminar I		3	-	3
PEL302	Periodontal Literature II		3	-	3
PCP301	Periodontal Case Presentation I		2	4	6
IMP302	Implantology II		1	2	3
SEA301	Sedation & Anesthesia		1	-	1
Elective course I					
Total			12	10	22

Fourth semester

Code	Course Title	Pre-requisite	Credit hours		
			Lectures	Practical	Contact
PER402	Periodontology II		2	4	6
PTS402	Treatment Plan Seminar II		3	-	3
PEL403	Periodontal Literature III		3	-	3
PCP402	Periodontal Case Presentation II		2	4	6
IMP403	Implantology III		1	2	3
Elective course II					
Total			11	10	21

3. Admission requirements

1. Students have to hold a Bachelor degree in oral and dental surgery from one of the faculties of dentistry in the Arab Republic of Egypt or of its equivalent (through the Supreme Council of Universities) with general grade and grade in the wished subject of specialty of GOOD at least on the noncredit system faculties, or accumulative GPA of 2.5 in credit hour system faculties.
2. Students must finish their internship period certified by ministry of health.

4. Rules and regulations for progression within the program

1. Registration will be held at August/ September each year with the submission of the program fees.
2. The registration is cancelled if the student 1) did not pass the first part within two years, 2) did not register the thesis within three years or 3) did not pass the second part within five years of the registration.
3. The Master's Degree thesis supervisor can suggest an extension of the registration to a maximum of two semesters after the faculty council endorses this suggestion.
4. The student is required to reach the attendance percentage and submission of the requirements determined by the department council.
5. Examinations are held at the end of each semester and students who fail in one or more courses of the semester are admitted to the examination in the failed course (s) only until he/she passes all the program courses.
6. Students cannot register for the second part (semester III, IV) before passing all courses of the first part (Semester I, II).
7. Thesis has to be registered upon completion of the first part (Semester I, II) and before registration for the second part (semester III, IV).

The grades are classified as follows:

GPA/semester	Grade/التقدير	GPA/accumulative التقدير العام	Grade/التقدير
2.5-2.79	Pass/مقبول	2.5-2.79	Pass/مقبول
2.8-2.99	Good/جيد	2.8-2.99	Good/جيد
3.00-3.49	Very good/جيد جدا	3.00-3.49	Very good/جيد جدا
3.5-4.00	Excellent/ممتاز	3.5-4.00	Excellent/ممتاز

5. TEACHING & LEARNING METHODS

Method (tool)	Intended learning outcomes
Lectures	Knowledge and Understanding skills, Intellectual skills
Tutorials	Knowledge and Understanding skills, Intellectual skills
Practical sessions	Professional Skills, General and Transferable Skills
Clinical sessions	Professional Skills, General and Transferable Skills
Assignments & Class work	Knowledge and Understanding skills, Intellectual skills, General and Transferable Skills
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6. STUDENT ASSESSMENT

Method (tool)	Intended learning outcomes assessed
written examination	Knowledge and Understanding skills, Intellectual skills
Oral examination	Knowledge and Understanding skills, Intellectual skills
Practical examination	Professional Skills, General and Transferable Skills
Class work	Knowledge and Understanding skills, Intellectual skills, Professional Skills, General and Transferable Skills
Clinical case report and literature review	Knowledge and Understanding skills, Intellectual skills, Professional Skills, General and Transferable Skills

7. EVALUATION OF PROGRAM INTENDED LEARNING OUTCOMES

Evaluator	Tool	Sample
1- Senior students	Questionnaires	Min. 50%
2- Alumni	Questionnaires	Min. 30%
3- Stakeholders (Employers)	Questionnaires	Min. 30%
4- Faculty Staff	Questionnaires	all
5- Internal Evaluator (QAC)	Visits/Meetings/Workshops	Report
6- External Evaluator (Examiner)	Reviewing Program & Courses	Report