



October 6 University



Faculty of Dentistry

Program Specification

Masters of Prosthodontics

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 prosthodontics	3 years

Faculty of Dentistry

Course coordinator: Professor Dr Sahar Khalaf

Internal evaluator: Professor Dr Eaatmad Rekaby & Professor Dr. Amira Mohamed Elsharkawy

Externa evaluator: Professor Amal Kaddah & Professor Dr Souna Saad Elden

Awarding Institution: October 6 University, Faculty of Dentistry

The national academic reference standards (NARS) for postgraduate programs

1.2 Faculty Members

CVs of staff members are attached

1.3 Program External Reviewing

Program reviewing was achieved by: Professor Souna Saad Elden

CV of external evaluator is attached – with external evaluator report.

2. PROFESSIONAL INFORMATION

2.1 Program Aim

The program aims at preparing postgraduates who can provide competent prosthodontic 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:

- 1.1. Use critically the diagnostic clinical, laboratory and radiographic modalities in prosthodontics management
- 1.2. Provide the candidate with specialized prosthodontic knowledge and clinical experience with appreciations to interdisciplinary approach and optimizing comprehensive care.
- 1.3. Master the Classical and advanced knowledge, skills and attitude of the candidate to enable critical evaluation and problem solving for prosthodontics problem to allow practicing independently.
- 1.4. Improve academic and clinical skills to be able to engage with continuous education.
- 1.5. Provide the candidate with a comprehensive understanding of the complex issues involved in the scientific basis of prosthodontics.
- 1.6. Use advanced technological means in esthetic prosthodontic and dental implantology.
- 1.7. Producing clinically competent in the design and interpretation of original clinical research (including data collection and statistical analysis).
- 1.8. Reinforcing and developing the implement and complete a research project showing initiative and personal responsibility.

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 theories and fundamentals related to prosthodontics as well as basic sciences.
- A.2 Understand the importance of proper diagnosis and treatment planning and clinical management of prosthodontic cases.
- A.3. Identify principles and basics of quality in professional practice in prosthodontics.
- A.4. Recognize clinical knowledge utilizing contemporary modern techniques of prosthodontic treatments.
- A.5. Identify the clinical and scientific knowledge to establish research techniques in the field of prosthodontics.
- A.5 Recognize fundamentals and ethics of scientific research.
- A.6 Identify principles and basics of quality in professional practice in prosthodontics .

2.3.2 Intellectual skills

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

B.1 Collecting, organizing and analyzing information and measurement from different diagnostic modalities for prosthodontics problem solving.

B.2. Develop basic skills through the application of scientifically based treatment concepts and techniques.

B.3. Relate the information in prosthodontics to formulate appropriate treatment options for complex casrs with various categories of need.

B.4. Link different knowledge to make professional decisions in management of prosthodontic problems and expect possible prognosis of different treatment modalities.

B.5. Conduct a research study or systematic scientific review on the selected prosthodontic research.

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 designs of prosthodontics treatments based on the peculiarities and features of the individual patients.
- C.3. Demonstrate a highly developed problem-solving abilities in Prosthodontics based on a multidisciplinary "patient-centered" approach.
- C.4. Demonstrate specific skills in advanced clinical prosthodontic techniques.
- C.5. Manage efficiently the placement and maintenance of dental implant prosthesis or retreatment of dental implants.
- C.7. Treat special patient populations (medically compromised, emotionally and physically disabled, developmentally disabled, and the geriatric population.)
- C.9 Demonstrate high skills in analysis, criticizing scientific articles implementing evidence -based dentistry.
- C.10 Acquire professional and ethical responsibility using the principles of ethics and understand the importance of life long professional control after prosthetic treatments.
- C.11 Demonstrate a highly developed problem-solving abilities in prosthodontics based on a multidisciplinary approach
- C.12 Assess and evaluate all the necessary aesthetic parameters required for prosthetic dentistry using modern tools.

2.3.4 General & Transferable skills

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

- D.1. Develop a critical approach to new ideas and making a scientific discussion, making effective communication skills and creating original creative hypothesis.
- D.2. Employ information technology to enrich professional practice.
- D.3. Perform self-assessment and determine personal learning needs.
- D.4. Use of different sources for access to information and knowledge.
- D.5. Develop rules and indicators for evaluating the performance of dental auxiliaries and lab technicians.
- D.6. Work in a team, leading teams in different professional contexts.
- D.7. Manage time efficiently.
- D.8. Adopt a creative ethical & scientific attitude.

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 three 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. Preclinical partial and complete dentures I, Material Science I, Oral Radiology I, and 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 and evidence based 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 Dental implantology, Clinical partial and complete dentures II, Fixed prosthodontic II and Occlusion. Clinical practice in supportive dental science will start 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

Duration of study is (30) weeks throughout (2) semesters.

Semester III

This semester will include lectures in supportive advanced dental science related to the fields of study, such as Dental Implantology II, Fixed Prosthodontics III, Periodontology in Prosthodontics, and endodontics.

Semester IV:

This semester will include lectures in a deep advanced dental science related to the fields of study, such as Full mouth Esthetic Rehabilitation, Dental Implantology III, Fixed Prosthodontics IV, Overdenture, and attachment.

Third 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 V, VI:

These semesters will comprise interdisciplinary seminars (I&II) and comprehensive clinical practice in the field of study. The didactic work in these semesters will be based on seminars, group discussion 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 (sixth) semester.

The preparation of the research component (scientific dissertation) is on a research project determined by the department's council in accordance with the overall faculty research plan endorsed by the faculty council. The thesis is subjected to public discussion after at least one year of registration and prior to sitting 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	Course 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	2	-	2	2		
RPD101	Removable partial denture I	1	2	3		2	
RCD101	Removable complete denture I	1	2	3		2	
BIS101	Biomedical statistics	1	-	1	1		
REM 101	Research methodology & Evidence-based Dentistry	2	-	2			2
FPR 101	Fixed prosthodontics I	2	4	6		4	
DEM 101	Dental materials I	2	-	2	2		
ORR 101	Oral Radiology I	2	2	4		3	
IMP201	Dental implantology I	2	2	4		3	
RPD202	Removable partial denture II	1	2	3		3	
RCD 202	Removable complete denture II	2	2	4		3	
JKO 201	Jaw kinetics and occlusion	2	2	4		3	
FPR 202	Fixed prosthodontics II	2	4	6		3	
DEM 202	Dental materials II	2	-	2	2		
LIR 201	Literature Review	2	-	2			2
IMP 301	Dental implantology II	2	2	4		3	
FPR 303	Fixed prosthodontics III	4	6	10		7	
PPI 301	Periodontology in prosthodontics & implant dentistry	2	2	4		3	
END 301	Endodontics	2	2	4		3	
	Elective course I	1	-	1			1
IMP 403	Dental implantology III	2	2	4		3	
FPR 403	Fixed prosthodontics IV	2	6	8		5	
ODA401	Overdentures & attachments	2	2	4		3	
FMR401	Full mouth esthetic rehabilitation & Interdisciplinary Practice I	2	4	6		4	
	Elective course I	1	-	1			1
IMP504	Dental implantology IV	2	2	4		3	
DPI 501	Digital prosthodontics & advanced prosthetic in implant dentistry	4	6	10		7	

PTJ501	Prosthodontic management of temporomandibular joint disorders TMD	2	4	6		4	
IDS 501	Interdisciplinary seminar I	2	-	2		2	
	Elective course	1		1			1
IPM 605	Dental implantology V	2	2	4		3	
IDS 602	Interdisciplinary seminar I	3	-	3		3	
FPD 605	Fixed prosthodontics V	2	6	8		5	
	Elective course I	1	-	1			1
Total		65 (66%)	70 (71%)	126 (128%)	7 (7.1 %)	83 (84.7%)	8 (8.2 %)

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

2.7 Academic Plan

First semester

Code	Course Title	Pre-requisite	Credit hours		
			Lectures	Practical	Contact
AHN 101	Anatomy of The Head & Neck	-	2	-	2
RPD101	Removable partial denture I	-	1	2	3
RCD101	Removable complete denture I	-	1	2	3
BIS101	Biomedical statistics	-	1	-	1
REM 101	Research methodology & Evidence-based Dentistry	-	2	-	2
FPR 101	Fixed prosthodontics I	-	2	4	6
DEM 101	Dental materials I	-	2	-	2
ORR 101	Oral Radiology I	-	2	2	4
Total			13	10	23

Second semester

Code	Course Title	Pre-requisite	Credit hours		
			Lectures	Practical	Contact
IMP201	Dental implantology I		2	2	4
RPD202	Removable partial denture II		1	2	3
RCD 202	Removable complete denture II		2	2	4
JKO 201	Jaw kinetics and occlusion		2	2	4
FPR 202	Fixed prosthodontics II		2	4	6
DEM 202	Dental materials II		2	-	2
LIR 201	Literature Review		2	-	2
Total			13	12	25

Third semester

Code	Course Title	Pre-requisite	Credit hours		
			Lectures	Practical	Contact
IMP 301	Dental implantology II		2	2	4
FPR 303	Fixed prosthodontics III		4	6	10
PPI 301	Periodontology in prosthodontics & implant dentistry		2	2	4
END 301	Endodontics		2	2	4
	Elective course I		1	-	1
Total			11	12	22

Fourth semester

Code	Course Title	Pre-requisite	Credit hours		
			Lectures	Practical	Contact
IMP 403	Dental implantology III		2	2	4
FPR 403	Fixed prosthodontics IV		2	6	8
ODA401	Overdentures & attachments		2	2	4
FMR401	Full mouth esthetic rehabilitation &		2	4	6

	Interdisciplinary Practice I				
	Elective course I		1	-	1
Total			9	14	25

Fifth semester

Code	Course Title	Pre-requisite	Credit hours		
			Lectures	Practical	Contact
IMP504	Dental implantology IV		2	2	4
DPI 501	Digital prosthodontics& advanced prosthetic in implant dentistry		4	6	10
PTJ501	Prosthodontic management of temporomandibular joint disorders TMD		2	4	4
IDS 501	Interdisciplinary seminar I		2	-	2
	Elective course I		1	-	1
Total			11	12	23

Six semester

Code	Course Title	Pre-requisite	Credit hours		
			Lectures	Practical	Contact
IPM 605	Dental implantology V		2	2	4
IDS 602	Interdisciplinary seminar I		3	-	3
FPD 605	Fixed prosthodontics V		2	6	8
	Elective course I		1	-	1
Total			8	8	16

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 the ministry of health.

4. Rules and regulations for progression within the program

1. Registration will be held in 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
Interactive Lectures	Knowledge and Understanding skills, Intellectual skills
Tutorials	Knowledge and Understanding skills, Intellectual skills
Problem Based Learning	Knowledge and Understanding skills, Intellectual skills
Practical sessions\ weekly workshops	Professional Skills, General and Transferable Skills
Clinical Based learning	Professional Skills, General and Transferable Skills
Assignments & Class work	Knowledge and Understanding skills, Intellectual skills, General and Transferable Skills
Simulated hands-on training	Professional 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
Work-based Assessments; Case-based discussions	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

Assessment Methods and weights

First semester

Code	Course Title	CW	Practical	Oral	Written	Total
AHN 101	Anatomy of The Head & Neck	60	-	20	120	200
RPD101	Removable partial denture I	60	40	20	100	200
RCD101	Removable complete denture I	60	40	20	100	200
BIS101	Biomedical statistics	30	-	10	60	100
REM 101	Research methodology & Evidence-based Dentistry	60		20	120	200
FPR 101	Fixed prosthodontics I	120	80	40	160	400
DEM 101	Dental materials I	60	-	20	120	200
ORR 101	Oral Radiology I	90	60	30	120	300
Total						1800

Second semester

Code	Course Title	CW	Practical	Oral	Written	Total
IMP201	Dental implantology I	90	60	30	120	300
RPD202	Removable partial denture II	60	40	20	100	200
RCD 202	Removable complete denture II	60	40	20	100	200
JKO 201	Jaw kinetics and occlusion	90	60	30	120	300
FPR 202	Fixed prosthodontics II	120	-80	40	160	400
DEM 202	Dental materials II	60	-	20	120	200
LIR 201	Literature Review	60	-	20	120	200
Total						1800

Third semester

Code	Course Title	CW	Practical	Oral	Written	Total
IMP 301	Dental implantology II	90	60	30	120	300
FPR 303	Fixed prosthodontics III	210	140	70	280	700
PPI 301	Periodontology in prosthodontics & implant dentistry	90	-	30	120	300
END 301	Endodontics	90	20	30	120	300
	Elective course I	30	20	10	60	100
Total						1700

Fourth semester

Code	Course Title	CW	Practical	Oral	Written	Total
IMP 403	Dental implantology III	90	60	30	120	300
FPR 403	Fixed prosthodontics IV	150	100	50	200	500
ODA401	Overdentures & attachments	90	60	30	120	300
FMR401	Full mouth esthetic rehabilitation & Interdisciplinary Practice I	120	80	40	160	400
	Elective course I	30	-	10	40	100
Total						1600

Fifth semester

Code	Course Title	CW	Practical	Oral	Written	Total
IMP504	Dental implantology IV	90	60	30	120	300
DPI 501	Digital prosthodontics & advanced prosthetic in implant dentistry	210	140	70	280	300
PTJ501	Prosthodontic management of temporomandibular joint disorders TMD	120	80	40	160	400
IDS 501	Interdisciplinary seminar I	60	-	20	120	100
	Elective course I	30	-	10	60	100
Total						1200

Sixth semester:

Code	Course Title	CW	Practical	Oral	Written	Total
IPM 605	Dental implantology V	90	60	30	120	300
IDS 602	Interdisciplinary seminar II	90	-	30	180	300
FPD 605	Fixed prosthodontics V	150	100	50	200	500
	Elective course I	30	-	10	60	100
Total						1200