

البرنامج العام لبيكالوريوس طب و
جراحة الفم و الأسنان (نظام الساعات
المعتمده)



General BDS Program Specification

1. Program Title:	General Program for Bachelor of Oral and Dental Medicine and Surgery (BDS) with credit hour system.
2. Award/degree:	BDS
3. Department(s) responsible:	<ul style="list-style-type: none"> - <u>For Dental Courses</u> <ul style="list-style-type: none"> • Dental Biomaterials • Oral Biology • Oral Pathology • Orthodontics • Prosthetic Dentistry • Oral and Maxillofacial Surgery • Pediatric Dentistry , Oral Health and Preventive Dentistry • Oral Medicine, Periodontology, Oral Diagnosis and Radiology • Restorative Dentistry • Fixed Prosthodontics • Endodontics - <u>Courses taught at Faculty of Science Tanta, Univesity</u> General Chemistry, Physics - <u>Courses taught at Faculty of Medicine, Tanta University</u> General Anatomy, General Histology, Head and Neck Anatomy, General Physiology, Biochemistry, General Microbiology, General Pathology, Pharmacology, General Medicine, Dermatology, General Surgery, ENT and Ophthalmology, Biostatistics. - <u>University Obligatory courses</u> English1, English2, societal issues, quality culture, information technology, entrepreneurship, professional ethics. - <u>Elective courses:</u> Stem cells & tissue engineering, cardio pulmonary resuscitation, management and leadership skills , infection control, medical psychology, Herbal medicine, laser in dentistry, marketing skills, dental terminology, geriatric dentistry, scientific thinking , medical emergency in dental practice, General risk and crisis management.
Coordinator:	Prof. Faten Abotaleb. (Academic coordinator of General BDS Program with credit hours)
Internal evaluator	Prof. Nagwa Ghoname , Prof. Eman El-Shourbagy
External evaluator(s):	Prof. Azza Ezz Elarab, Faculty of Dentistry, Cairo University
Date of most recent approval of program specification by the Faculty Council:	



Attributes of the Graduates

- 1- Deliver independently oral health care services within the scope of general dentistry.
- 2- Provide ethical professional practice including compassion, empathy, integrity, responsibility, and tolerance.
- 3- Provide comprehensive practice management encompassing patient assessments, and maintain patient's records in complete and accurate forms.
- 4- Communicate effectively to develop a mature, sensitive and caring relationship with their patients.
- 5- Respond to socio-economic aspects of different communities and engage effectively in community services.
- 6- Maintain a safe and infection-controlled environment.
- 7- Realize the importance of lifelong learning and strive for continuous professional education.
- 8- Recognize the various features of medico-legal aspects of the dental profession.
- 9- Recognize the limitation of their current knowledge and clinical abilities and realize the need for proper referral.
- 10- Evaluate and respond to ongoing dental technology.

Program aims:-

- 1- Provide the necessary knowledge, skills and experience to graduate as a dental practitioner capable of maintaining the oral and dental health of the patients on the national, regional and international levels.
- 2- Build the foundation of scientific knowledge on which clinical practice is based on safety environment.
- 3- Practice different treatment modalities in dental field within the scope of general dentistry with proper referral whenever needed.
- 4- Activate the students for life-long learning and continuous education using related technologies.
- 5- Acquire appropriate skills for communicating ethically with the patients and other dental member in a team with reference to medico-legal aspects of the dental profession.
- 6- Utilize evidency-based advances in knowledge and techniques in dentistry.
- 7- Respond to socio-economic aspects and participate effectively in community service.



1. Intended learning outcomes (ILOs) for program:

a. Knowledge and understanding:

By the end of this program, each student should be able to:

- a1. Describe fundamental sciences that are considered to be the base of dental subjects.
- a2. Recognize the scientific dental English terms and basic principles of computer to comprehend all courses of the program.
- a3. Describe the fundamentals of dental biomaterials, including their handling, limitations and their use as well as the laboratory equipment and instruments necessary.
- a4. Identify the normal stomatognathic physiology of the various body systems and its relation to occlusion.
- a5. Explain the pharmacological properties of drugs used in dental practice including their interactions and side effects.
- a6. Recognize social and psychological issues relevant to dental care and language sufficient to make direct personal contact with others.
- a7. Describe microbiological & immunological concepts of diseases affecting the body, oral and maxillofacial region.
- a8. Define complex interactions between oral health, nutrition, general health, drugs and diseases that have an impact on dental care.
- a9. Identify the growth, form, histological structures & function of teeth and associated tissues in health and diseases.
- a10. Recognize types of cells, tissues, organs and systems with fundamentals of gene expression and tissue engineering relevant to the practice of dentistry.
- a11. Describe the anatomical, biomedical and biomolecular structural organization and functions of major body systems which form the basis for human growth, development, and physiology of orofacial structure.
- a12. Describe pathogenesis of infection, inflammation, disorders of the immune system, degeneration, neoplasia, metabolic disturbances.
- a13. Identify sources of infection, principles of sterilization, disinfection and antisepsis to prevent cross-infection in clinical practice.



- a14. Identify the basics for clinical examination, establishment of a comprehensive patient's dental and medical history and the methods of data collection.
- a15. List the different types of radiography used in dentistry which aid in diagnosis, treatment planning and management of patients.
- a16. Describe etiology and management of oro-facial pain and different medical emergencies that may occur during the dental practice.
- a17. Describe different maxillofacial deformities, defects, occlusal abnormalities, their diagnosis, classification and their possible treatment.
- a18. Identify local and general factors of malocclusion and the principles of orthodontic diagnosis and treatment of various classes.
- a19. Determine the principles of preventive, interceptive and corrective orthodontic treatment and time of referral to orthodontist.
- a20. Discuss principles of health promotion, health education and different methods of prevention related to dental diseases for all age groups including those with special needs.
- a21. Recognize epidemiology, etiology, course and sequel of different oral diseases and their assessment, management and prevention.
- a22. Identify main medical disorder, abnormal clinical findings, structure of periodontium and variable periodontal diseases.
- a23. Recognize restoration of different classes dealing with the new techniques ,design and material used in restorative dentistry.
- a24. Recognize the basics of exodontia and oral & maxillofacial surgical procedures.
- a25. Recognize the principles of scientific research methodology, evidence based decision making and critical thinking in dental practice.
- a26. Recognize restoration of damaged teeth with advanced concepts in the restorative dentistry and procedures used for successful root canal treatment.
- a27. Define basic principles in the management of pulpal and periodontal disease, trauma and treatment of failures.
- a28. Describe the design and choice of materials used in the production of removable partial , complete dentures and fixed prosthodontics, along with



knowledge of laboratory procedures and the problems encountered in clinical and laboratory work.

a29. Describe the biocompatible, functional and aesthetic fixed dental prostheses and over denture.

a30. Identify the medico-legal principles and human rights related to dental practice emphasizing on patient treatment.

a31. Recognize the principles of implant and laser in dentistry.

b. Intellectual skills

b1. Relate basic, medical and dental science with clinical features of different diseases.

b2. Categorize the list of potential patient's clinical problems.

b3. Formulate an appropriate, sequenced, and prioritized treatment plan relevant to the patients.

b4. Analyze clinical, radiographic and laboratory findings to make diagnosis and solve clinical problems based on current evidence.

b5. Realize the importance of follow up phase for maintaining proper oral health.

b6. Recognize problems incorporated with growth and development of children and adolescents for effective treatment.

b7. Evaluate the effects of medications on dental management.

b8. Differentiate between the normal and abnormal characteristics, which is of particular importance to the practice of dentistry.

b9. Solve problems that cause failure of previously treated teeth.

b10. Assess patient risk for caries , gingival & periodontal condition and implementing preventive strategies.

b11. Plan for the laboratory procedures used in the production of removable and fixed prosthetic appliances.

b12. Plan strategies to predict, prevent and correct deficiencies in patient's oral hygiene regimens.

b13. Correlate clinical, radiographic and histopathologic feature of diseases.



c. Professional and practical skills

- c1. Take a comprehensive patient's history for collecting diagnostic data for patient.**
- c2. Perform systematic clinical examination including general, extraoral, & intraoral procedures.**
- c3. Request appropriate investigations & radiographic examination.**
- c4. Apply patient's records in complete and accurate forms to determine factors contributing to disease progress and its treatment.**
- c5. Illustrate the normal histological structure of teeth and oral tissues under light microscope.**
- c6. Apply current infection control guidelines for a proper effective and safe environment.**
- c7. Illustrate oral & maxillofacial diseases, disorder and pathological conditions, as well as etiological and/or risk factors that may contribute to disease process.**
- c8. Manage acute oral infections, including patient referral and prescription of appropriate drugs.**
- c9. Prepare different cavity preparations independently by using hand and rotary instruments as well as manipulation of restorative materials to perform acceptable restorations.**
- c10. Apply a fundamental knowledge of functional occlusion in health and disease to manage the etiological factors associated with the disordered occlusion.**
- c11. Perform endodontic procedures.**
- c12. Choose the preventive and interceptive measures indicated in management of occlusal problems during mixed dentition period.**
- c13. Apply different behavioral modification methods for pediatric patients in the dental practice.**
- c14. Manage completely and partially edentulous patients with proper prostheses to fulfill their esthetic and functional needs.**
- c15. Apply preventive measures for different age groups.**



- c16. Perform restoration and pulp therapy for children.**
- c17. Apply local anesthesia to control patient anxiety and apprehension during restorative and surgical procedures.**
- c18. Perform teeth extraction and removal of roots when necessary, as well as dealing with expected complications during surgical procedures.**
- c19. Manage dental and medical emergencies which may occur in dental practice.**
- c20. Perform periodontium examination, diagnosis for proper treatment plan and monitoring the prognosis and effects of appropriate pharmaceutical agents.**
- c21. Manage different oral mucosal lesions, gingival and periodontal diseases affecting the supporting structures of the teeth.**

d. General and transferable skills:

- d1. Practice teamwork skills appropriate for working within a multi-skilled team.**
- d2. Apply efficient flexible communication skills with different multicultural and verbally and in writing.**
- d3. Display appropriate professional behavior.**
- d4. Express professional responsibility toward individuals, families and groups in the community.**
- d5. Use the information technology for communication and self directed learning.**
- d6. Use resources to ensure professional, development and lifelong learning.**
- d7. Illustrate the concept of quality assurance in dental practice.**
- d8. Manage workload and personal stress in the framework of proper performance and management.**
- d9. Improve students' English language and creative skills.**
- d10. Make decision based on sound ethical and scientific principles.**



Curriculum Structure and Contents:

4.a Program Duration :five levels / 10 semesters.

Levels	number of credit Hours
Level I Freshman	0-36
Level II Sophomore	37-73
Level III Junior	74-111
Level IV Senior 1	112-152
Level V Senior 2	153-188

4.b Program Structure:

The study system at the Faculty is the Credit Hours System within the framework of one semester with 188 credit hours distributed over ten semesters.

The credit hour is a unit of measurement for determining the weight of each course in one semester and is equivalent to:

-One theoretical hour per week throughout the semester. -Or two hours of laboratory lessons per week throughout the semester. - Three hours of clinical /practical training per week throughout the semester.

University Requirements:

- Compulsory courses: 8 CH = 4.2%

Credit Hours	Code	Course
1	UM-EI	English-1
2	UM-EII	English-2
1	UM-SI	Societal Issues
1	UM-QC	Quality Culture
1	UM-IT	Information Technology
1	UM-EP	Entrepreneurship
1	UM-PE	Professional Ethics

Faculty Requirements:

1- Compulsory course: 174 CH = 92.5%

- Basic Science 10 CH = 4.8 %
- Basic Medical Science 30 CH = 14.3 %
- Basic dental Science 28 CH = 13.3 %



- Clinical Medical Science 10 CH = 4.8 %
- Pre-Clinical Dental Science 43 CH = 20 %
- Clinical Dental Science 73 CH = 35.2 %

II- Elective courses: 6 CH = 3.3%

Code	Credit hours	Course
FE-ST	1	Stem Cells and Tissue Engineering
FE-CPR	1	Cardiopulmonary Resuscitation
FE-ML	1	Management And Leadership Skills
FE-IC	1	Infection Control
FE-MP	1	Medical Psychology
FE-HM	1	Herbal Medicine
FE-LD	1	Laser In Dentistry
FE-MS	1	Marketing Skills
FE-DT	1	Dental Terminology
FE-GD	1	Geriatric Dentistry
FE-ST	1	Scientific Thinking
FE-ME	1	Medical Emergency in Dental Practice
FE-GC	1	General Risk & Crisis Management

Academic Standards

A National Academic reference Standards (NARS) for dentistry: for undergraduates offered by the Egyptian Authority for quality Assurance and Accreditation for Education (NAQAAE) 2009 and adopted by the Faculty in 22/4/2009 and readopted in 19/2/2014.

Program admission requirements:

*Egyptian students who have scientific (science) division or equivalent Egyptian and foreign certificates approved by the Supreme Council of Universities after the equivalence of their certificate. The numbers accepted in the first year are determined



according to the numbers specified by the Coordination Office for public universities .

- * Students who come from abroad with certificates approved by the Ministry of Foreign Affairs of the country of origin must equalize their certificate in accordance with the rules of the Supreme Council of Universities.
- * It is not allowed to transfer failed and dismissed students from the corresponding Faculties.

Regulations for progression and program completion

- *Registration begins two weeks before the start of the semester (Autumn and Spring), and ends by the end of the first week of study, according to the university calendar.
- *Registration starts a week before the start of the (summer) semester, and ends by the end of the first week of study, according to the university calendar.
- *To open any course in the summer semester, it is required that the number of students wishing to enroll should not be less than (5) five students, except in cases of graduation.
- *The average hours that a student enrolls in one semester in the fall and spring is 18 credit hours, the maximum is 21 credit hours, and this minimum limit for failed students drops by at least a third.
- *The student may register for additional credit hours for the semester if his/her GPA is (3.0) or higher.
- *The student can enroll in the summer semester in courses not exceeding (9) credit hours, provided that they do not include new clinical courses that the student has not previously studied.
- *The student may enroll in new clinical courses in the summer semester for graduation purposes.
- * A student with a GPA of less than (2) is not allowed to enroll in more than 12 credit hours per semester.

Examinations and Grading System

A. Examinations :

Course title	Semester work	Final exam
clinical and practical courses	20%	80%
Theoretical courses	20%	80%
Elective courses	20%	80%



B. Grading system:

GPA	Grade	%	Grade
4.0	A	90-100%	Excellent
3.7	A ⁻	85 to < 90%	
3.4	B ⁺	80 to < 85%	Very good
3.0	B	75 to < 80%	
2.9	B ⁻	72.5 to < 75%	Good
2.7	C ⁺	70 to < 72.5%	
2.5	C	67.5 to < 70%	
2.3	C ⁻	65 to < 67.5%	
2.2	D ⁺	62.5 to < 65%	Accepted
2.0	D	60 to < 62.5%	
0.0	F	<60%	Failed
0.0	I	<60%	Incomplete
0.0	W	<60%	withdrawal
0.0	FW	<60%	Forced withdrawal

Evaluation of program intended learning outcomes

Evaluator	Tool	Sample
1. Senior students	Questionnaire	-
2. Alumni	Questionnaire	-
3. Stakeholders (Employers)	interview	-
3. External Evaluator(s) (External Examiner(s)	reports	-
4. Other (internal Evaluators)	reports	2



Program course

Level one First Semester (101)

No. of course	Course	Code	Prerequisite	Lec. Hrs	Prac. Hrs	Clinic Hrs	Contact Hrs	Credit Hrs	Total marks
1	General Chemistry	FMB- GC-101	-----	2	2	-	4	3	150
2	Physics	FMB-P-101	-----	2	-	-	2	2	100
3	Human Dentition I	FMB- HDI-101	-----	1	2	-	3	2	100
4	General Anatomy	FMB- GA-101	-----	2	2	-	4	3	150
5	General Histology	FMB-GH-101	-----	2	2	-	4	3	150
6	General Physiology I	FMB-GPI-101	-----	2	2	-	4	3	150
7	English I	UM-EI-101	-----	1	-	-	1	1	50
8	Information Technology	UM-IT-101	-----	1	-	-	1	1	50
Total	8 courses							18	900



Level one Second Semester (102)

No. of course	Course	Code	Prerequisite	Lec. Hrs	Prac. Hrs	Clinic Hrs	Contact Hrs	Credit Hrs	Total marks
1	Human Dentition II	FMB-HDII-102	Human Dentition I	1	2	-	3	2	100
2	Special Anatomy	FMB-SA-102	General Anatomy	2	2	-	4	3	150
3	General Physiology II	FMB-GPII-102	General Physiology I	2	2	-	4	3	150
4	Biochemistry	FMB- BC-102	General Chemistry	2	2	-	4	3	150
5	Dental Biomaterials	FMB- DBM-102	Physics	2	2	-	4	3	150
6	English II	UM-EII-102	English I	1	2	-	3	2	100
7	Quality Culture	UM-QC- 102	-----	1	-	-	1	1	50
8	Societal Issues	UM-SI-102	-----	1	-	-	1	1	50
Total	8							18 h	900



Level two First Semester (201)

No. of course	Course	Code	Prerequisite	Lec. Hrs	Prac. Hrs	Clinic Hrs	Contact Hrs	Credit Hrs	Total marks
1	Oral biology I	FMB-OBI-201	General histology	2	2	--	4	3	150
2	Applied dental biomaterials I	FMB-ADBMI-201	Dental biomaterials	2	2	--	4	3	150
3	General pathology I	FMB-GPI-201	General histology	2	2	--	4	3	150
4	General microbiology	FMB-GMB-201	-----	2	2	--	4	3	150
5	Pharmacology I	FMB-PI-201	Biochemistry	2	2	--	4	3	150
6	Professional ethics	UM-PE-201	-----	1	--	--	1	1	50
7	Select FE course		-----	1	--	--	1	1	50
8	Select FE course		-----	1	--	--	1	1	50
Total	8					--		18h	900



Level two Second Semester (202)

No. of course	Course	Code	Prerequisite	Lec. Hrs	Prac. Hrs	Clinic Hrs	Contact Hrs	Credit Hrs	Total marks
1	Oral biology II	FMB-OBII-202	Oral Biology I	2	2	--	4	3	150
2	Applied dental biomaterials II	FMB-ADBMMII-202	Applied Biomaterials I	2	2	--	4	3	150
3	General pathology II	FMB-GPII-202	General Pathology I	2	2	--	4	3	150
4	Immunology	FMB-I-202	General Microbiology	2	2	--	4	3	150
5	Pharmacology II	FMB-PII-202	Pharmacology I	2	2	--	4	3	150
6	Stomatognathic physiology and occlusion	FMB-SO-202	Human Dentition II	2	--	--	2	2	100
7	Infection control	FE-IC-202	-----	1	--	--	1	1	50
8	Select FE course		-----	1	--	--	1	1	50
Total	8					--		19h	950



Level three First Semster(303)

No. of course	Course	Code	Prerequisite	Lec. Hrs	Prac. Hrs	Clinic Hrs	Contact Hrs	Credit Hrs	Total marks
1	Oral pathology I	FMB-OPI-301	General pathology II	2	2	--	4	3	150
2	Preclinical restorative Dentistry I	FMD-PRDI-301	Applied dental biomaterials II	1	4	--	5	3	150
3	Preclinical fixed prosthodonticsI	FMD-PFPI-301	Applied dental biomaterials II	1	4	--	5	3	150
4	Preclinical prosthetic dentistry I	FMD-PPDI-301	Applied dental biomaterials II	1	4	--	5	3	150
5	General surgery	FMM-GS-301	General anatomy	1	-	3	4	2	100
6	Ear Nose and throat	FMM-ENT-301	Special anatomy	1	--	--	1	1	50
7	Ophthalmology	FMM-O-301	Special anatomy	1	--	--	1	1	50
8	Select FE course		-----	1	--	--	1	1	50
Total	8					--		17h	850



Level three Second Semester (302)

No. of course	Course	Code	Prerequisite	Lec. Hrs	Prac. Hrs	Clinic Hrs	Contact Hrs	Credit Hrs	Total marks
1	Oral pathology II	FMB-OPII-302	Oral pathology I	2	2	--	4	3	150
2	Preclinical restorative Dentistry II	FMD-PRDII-302	Preclinical Restorative Dentistry I	1	4	--	5	3	150
3	Preclinical fixed prosthodontics II	FMD-PFPII-302	Preclinical Fixed Prosthodontics I	1	4	--	5	3	150
4	Preclinical prosthetic dentistry II	FMD-PPDII-302	Preclinical Prosthetic Dentistry I	1	4	--	5	3	150
5	General internal medicine	FMM-GM-302	General Physiology II	2	-	3	5	3	150
6	Dermatology	FMM-D-302	General pathology II	1	--	3	4	2	100
7	Oral radiology	FMD-OR-302	Human Dentition I, Physics	2	--	3	5	3	150
8	Cardiopulmonary Resuscitation	FE-CPR-302	-----	1	--	--	1	1	50
Total	8					--		21h	1050



Level four First Semester (401)

No. of course	Course	Code	Prerequisite	Lec. Hrs	Prac. Hrs	Clinic Hrs	Contact Hrs	Credit Hrs	Total marks
1	Clinical Restorative Dentistry I	FMD-CRDI- 401	Preclinical Restorative Dentistry II	1	--	3	4	2	100
2	Preclinical Fixed Prosthodontics III	FMD-PFP-III-401	Preclinical fixed prosthodontics II	1	4	--	5	3	150
3	Clinical Prosthetic Dentistry I	FMD-CPDI-401	Preclinical Prosthetic Dentistry I	1	--	3	4	2	100
4	Oral Medicine I	FMD-OMI-401	General Medicine, Oral Pathology II	2	--	3	5	3	150
5	Preclinical Endodontics I	FMD-PEI-401	Oral Radiology, Preclinical restorative II	1	4	-	5	3	150
6	Orthodontics I	FMD-OI-401	Stomatognathic Physiology &Occlusion	1	2	-	3	2	100
7	Oral and Maxillofacial Surgery I	FMM-OMSI-401	Special Anatomy, General Medicine	2	--	3	5	3	150
8	Oral Diagnosis	FMD-OD-401	Oral Pathology II	2	--	3	5	3	150
Total	8					--		21h	1050



Level four Second Semester(402)

No. of course	Course	Code	Prerequisite	Lec. Hrs	Prac. Hrs	Clinic Hrs	Contact Hrs	Credit Hrs	Total marks
1	Clinical Restorative Dentistry II	FMD-CRDII- 402	Clinical Restorative Dentistry I	1	--	3	4	2	100
2	Clinical Fixed Prosthodontics I	FMD-CFPI-402	Pre-clinical Fixed Prosthodontics III	1	--	3	4	2	100
3	Clinical Prosthetic Dentistry II	FMD-CPDII- 402	Preclinical Prosthetic Dentistry II	1	--	3	4	2	100
4	Oral Medicine II	FMD-OMII-402	Oral Medicine I	2	--	3	5	3	150
5	Preclinical Endodontics II	FMD-PEII-402	Preclinical Endodontics I	1	4	-	5	3	150
6	Orthodontics II	FMD-OII-402	Orthodontics I	1	2	-	3	2	100
7	Oral and Maxillofacial Surgery II	FMD-OMSII-402	Oral and Maxillofacial Surgery I	2	--	3	5	3	150
8	Preclinical pediatric dentistry	FMD-PPD-402	Preclinical Restorative Dentistry II	2	2	--	3	2	100
9	Oral health and preventive dentistry	FMD-OHPI-402	Oral Diagnosis	1	--	--	1	1	50
Total	9					--		20h	1000



Level Five First Semester (501)

No. of course	Course	Code	Prerequisite	Lec. Hrs	Prac. Hrs	Clinic Hrs	Contact Hrs	Credit Hrs	Total marks
1	Clinical Restorative Dentistry III	FMD-CRDIII-501	Clinical restorative II	1	--	3	4	2	100
2	Clinical Fixed Prosthodontics II	FMD-CFPII-501	Clinical Fixed Prosthodontics I	1	--	3	4	2	100
3	Clinical Prosthetic Dentistry III	FMD-CPDIII-501	Clinical Prosthetic Dentistry II	1	--	3	4	2	100
4	Clinical Endodontics I	FMD-CEI-501	Preclinical Endodontics II	1	--	3	4	2	100
5	Oral and Maxillofacial Surgery III	FMD-OMSIII-501	Oral and Maxillofacial Surgery II	2	--	3	5	3	150
6	Periodontics I	FMD-PI-501	General Microbiology Oral Pathology II	2	--	3	5	3	150
7	Oral Health & Preventive II	FMD-OHPHII-501	Oral Health & Preventive I	1	--	3	4	2	100
8	Entrepreneurship	FE-EP-501		1	--	--	1	1	50
Total	8					--		17h	850



Level five_Second Semester (502)

No. of course	Course	Code	Prerequisite	Lec. Hrs	Prac. Hrs	Clinic Hrs	Contact Hrs	Credit Hrs	Total marks
1	Clinical Restorative Dentistry IV	FMD-CRDIV-502	Clinical Restorative III	1	--	3	4	2	100
2	Clinical Fixed Prosthodontics III	FMD-CFPIII-502	Clinical Fixed Prosthodontics II	1	--	3	4	2	100
3	Clinical Prosthetic Dentistry IV	FMD-CPDIV-502	Clinical Prosthetic Dentistry III	1	--	3	4	2	100
4	Clinical Endodontics II	FMD-CEII-502	Clinical Endodontics I	1	--	3	4	2	100
5	Oral and Maxillofacial Surgery IV	FMD-OMSIV-502	Oral and Maxillofacial Surgery III	2	--	3	5	3	150
6	Periodontics II	FMD-PII-502	Periodontics I	2	--	3	5	3	150
7	Clinical Pediatric Dentistry	FMD-CPD-502	Pre-Clinical Pediatric	1	--	3	4	2	100
8	Principles of Implantology	FMD-PI-502	Oral Radiology I	1	--	--	1	1	50
9	Comprehensive Care Clinic	FMD-CCC-502	Oral Maxillofacial surgery III Periodontology I Clinical Prosthetics Dentistry III Clinical Endodontics I Clinical Restorative Dentistry III Clinical Fixed Prosthodontics II	1	--	3	4	2	100
Total	9					--		19h	950



No	Method	Learning target output
1	Quizzes	Knowledge and intellectual skills
2	Assignment	Intellectual skills, general transferable skills
3	Self learning through E learning and problem solving	Knowledge intellectual & general transferable skills
4	Practical exam	Professional and practical skills
5	Oral exam	Knowledge, intellectual & general transferable skills
6	Written exam (mid-term & final)	Knowledge and intellectual skills



مصفوفة توافق أهداف البرنامج مع مواصفات الخريج

<i>Attributes of the Graduates</i>	<i>Program aims</i>
1.1. Deliver independently oral health care services within the scope of general dentistry.	1- provide the necessary knowledge, skills and experience to graduate as a dental practitioner capable of maintaining the oral and dental health of the patients on the national, regional and international levels. 2- build the foundation of scientific knowledge on which clinical practice is based in safety environment. 3- practice different treatment modalities in dental field within the scope of general dentistry with proper referral whenever needed.
1.2. Provide ethical professional practice including compassion, empathy, integrity, responsibility and tolerance.	3- practice different treatment modalities in dental field within the scope of general dentistry with proper referral whenever needed. 5- acquire appropriate skills for communicating ethically with the patients and other dental member in a team with reference to medico-legal aspects of the dental profession.
1.3. Provide comprehensive practice management encompassing patient assessments, and maintain patient's records in complete and accurate forms.	1- provide the necessary knowledge, skills and experience to graduate as a dental practitioner capable of maintaining the oral and dental health of the patients on the national, regional and international levels. 2- build the foundation of scientific knowledge on which clinical practice is based in safety environment. 3- practice different treatment modalities in dental field within the scope of general dentistry with proper referral whenever needed.
1.4. Communicate effectively to develop a mature, sensitive and caring relationship with their patients.	5- acquire appropriate skills for communicating ethically with the patients and other dental member in a team with reference to medico-legal aspects of the dental profession.
1.5. Respond to socio-economic aspects of different communities and engage effectively in community services.	7- respond to socio-economic aspects and participate effectively in community service.
1.6. Maintain a safe and infection-controlled environment.	2- build the foundation of scientific knowledge on which clinical practice is based in safety environment.
1.7. Realize the importance of lifelong learning and strive for continuous professional education.	4- activate the students for life-long learning and continues education using related technologies.



<p>1.8. Recognize the various features of medico-legal aspects of the dental profession.</p>	<p>3- practice different treatment modalities in dental field within the scope of general dentistry with proper referral whenever needed.</p> <p>5- acquire appropriate skills for communicating ethically with the patients and other dental member in a team.</p>
<p>1.9. Recognize the limitation of their current knowledge and clinical abilities and realize the need for proper referral.</p>	<p>3- practice different treatment modalities in dental field within the scope of general dentistry with proper referral whenever needed.</p>
<p>1.10. Evaluate and respond to ongoing dental technology.</p>	<p>4- activate the students for life-long learning and continues education using related technologies.</p> <p>6- utilize evidency-based advances in knowledge and techniques in dentistry.</p>