



FUTURE UNIVERSITY IN EGYPT
FACULTY OF ORAL AND DENTAL MEDICINE
PROGRAM SPECIFICATION

For Bachelor of Oral and dental Surgery

(B.D.S)

2023-2024

According to bylaw 2006

كلية طب الفم والاسنان
جامعة المستقبل

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Faculty and program mission

Faculty mission:

Faculty of Oral and Dental Medicine - Future University is committed to qualify competent dentists who have the knowledge, professional skills, and integrity to compete locally and regionally and provide exceptional dental treatment services, keeping abreast with scientific research technological development in order to contribute to community service and sustainable development.

تلتزم كلية طب الفم والاسنان جامعة المستقبل بتاهيل اطباء اسنان اكفاء لديهم المعرفة والمهارات المهني والنزاهة للمنافسة محليا و اقليميا و تقديم خدمات علاجية متميزة، ومواكبة التطور التكنولوجي في البحث العلمي للمساهمة في التنمية المستدامة وخدمة المجتمع.

Program mission:

The program of faculty of oral and dental medicine, future university in Egypt is committed to prepare qualified dentists with professional and ethical skills to preserve the oral and dental health of patients and community locally and regionally, creation in scientific research, and contribute to achieving sustainable goals.

يلتزم برنامج كلية طب الفم و الاسنان جامعة المستقبل في مصر باعداد اطباء اسنان مؤهلين بالمهارات المهنية والاخلاقية للحفاظ على صحة الفم و الاسنان للمرضى و المجتمع محليا و اقليميا وابتكرون في البحث العلمي ويساهمون في تحقيق الاهداف المستدامة.

Matrix of Faculty and program mission

العنصر	تحليل رسالة الكلية	تحليل رسالة البرنامج	مجالات الاتساق و مدى مساهمة رسالة البرنامج في تحقيق رسالة الكلية
قيمة الالتزام	تلتزم كلية طب الفم والاسنان جامعة المستقبل	يلتزم برنامج كلية طب الفم و الاسنان جامعة المستقبل	الاتساق في الالتزام بتحقيق الرسالة
الشق التعليمي	بتاهيل اطباء اسنان اكفاء لديهم المعرفة والمهارات المهنية	باعداد اطباء اسنان مؤهلين بالمهارات المهنية	تتفق رسالة البرنامج مع رسالة الكلية في الالتزام باعداد اطباء اسنان يملكون المهارات المهنية
مستوى المنافسة	محليا و اقليميا	محليا و اقليميا	الاتساق في مستوى المنافسة
الشق البحثي	مواكبة التطور التكنولوجي في البحث العلمي	يبتكرون في البحث العلمي	مواكبة التطورات التكنولوجية في البحث العلمي
الشق الخدمي	لتقديم خدمات علاجية متميزة للمساهمة في التنمية المستدامة وخدمة المجتمع.	الحفاظ على صحة الفم والاسنان للمرضى والمجتمع يساهمون في تحقيق الاهداف المستدامة	لمعالجة المرضى كما تتفق في مساهمة اطباء الاسنان في الحفاظ على صحة الفم و الاسنان لخدمة المجتمع
الشق الاخلاقي	تاهيل اطباء اسنان لديهم النزاهة	بالمهارات المهنية والاخلاقية	الاتساق بالتمسك بالقيم الاخلاقية و النزاهة

Attributes of the Graduates of Dental Medicine According to NARS

The graduate must be able to:

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

Program Specification

For bachelor of oral and dental medicine and surgery (B.D.S) (2023-2024)

A-Basic Information

- 1. Program title:** Bachelor's degree of oral and dental medicine and surgery
- 2. Program type:** single
- 3. Departments:** 7 Departments, according to the faculty's bylaw:
 - Oral biology and oral pathology
 - Prosthodontics
 - Conservative dentistry
 - Oral and maxillofacial surgery
 - Orthodontics and pedodontics
 - Oral medicine, periodontology, diagnosis, and oral radiology
 - Supplementary general sciences
- 4. Coordinator:** Prof. Gihan Omar, Vice dean of student's affairs
- 5. Internal evaluator:** Prof. Amany Rabea
- 6. External evaluator:** Prof. Mervat Fawzy
- 7. Date of program approval:** 8/3/2006
- 8. Date of program specifications approval:** Faculty Council: 17/9/2023.

B- Professional Information

1-Program aims:

The overall aims of the program are to provide the graduate with:

- 1.1. The necessary scientific knowledge, skills and experience as a general dental practitioner. (1-1 NARS)
- 1.2. Professional skills to maintain the oral and dental health of the patients. (1-3 NARS)
- 1.3. Evaluation of his current knowledge and clinical experience and the possible need for referral. (1-9 NARS)
- 1.4. The ethical basics for dental practice. (1-2 NARS)
- 1.5. Appropriate communication skills with patients. (1-4 NARS)
- 1.6. Updated knowledge and techniques evaluation. (1-10 NARS)
- 1.7. Socio-economic aspects of different communities and engage effectively in community services. (1-5 NARS)
- 1.8. Safe and infection-control measures. (1-6 NARS)
- 1.9. The appreciation of lifelong learning and continuous self-assessment. (1-7 NARS)
- 1.10. The medicolegal aspects of dentistry. (1-8 NARS)

2. Intended Learning outcomes (ILOs):

a. Knowledge and understanding:

Upon completion of the program, the graduate should be able to

- a.1. Identify the basic principles in chemistry and physics that may be required by the dentist in the selection of the relevant pharmacological agents. (2-4 NARS)
- a.2. Describe the basic concepts of human physiology and anatomy. (2-1 NARS)
- a.3. Explain (describe) the interrelationship between different systems of the human body. (2-1 NARS)
- a.4. Discuss the pathogenesis involved in different conditions that may affect oral health. (2-2 NARS)
- a.5. Identify the microbial ecology of the oral flora and the microbiological aspects of caries, pulpal and periodontal disease. (2-2 NARS)
- a.6. Identify dental terminology, tooth anatomy, physiology, histology, function of teeth and associated structures, in health and disease. (2-1 NARS)

- a.7. Discuss the development and growth of the face and occlusion, and their variations. (2-1 NARS)
- a.8. Identify the prevalence of common dental conditions and oral health needs of different sectors of the community. (2-3 NARS)
- a.9. Explain the basis and significance of oral health promotion, nutritional education and prevention of oral diseases in population-based approach. (2-3 NARS)
- a.10. Identify the properties, limitations and parameters by which performance of dental materials are assessed. (2-6 NARS)
- a.11. Discuss the basis of geriatric dentistry. (2-3 NARS)
- a.12. Discuss the influence of psychology background on the effective management of patients particularly children. (2-9 NARS)
- a.13. Describe the broad principles of biostatistics, research design and methodology. (2-7 NARS)
- a.14. Identify the methods of preventing and management of medical emergencies. (2-4 NARS)
- a.15. Discuss the ethical and medico legal aspects relevant to the practice of dentistry. (2-8 NARS)
- a.16. Demonstrate principles of proper dental practice and management. (2-6 NARS)
- a.17. Describe the scientific principles of sterilization and disinfection in the dental clinic and lab, to prevent cross infection and provide personal and environmental safety. (2-5 NARS)
- a.18. Identify the principles of evidence- based dentistry. (2-7 NARS)

b. Intellectual skills:

Upon completion of the program, the graduate should be able to

- b-1 Differentiate between dental features in normal and abnormal condition (4-2 NARS)
- b-2 Generate a list of potential patient's clinical problems. (4-3 NARS)
- b-3 Interpret collected diagnostic data to solve clinical problems. (4-4 NARS)
- b-4 Plan properly for treatment of dental patients. (4-5 NARS)
- b-5 Evaluate the effects of medications taken by the patient on dental management. (4-6 NARS)
- b-6 Deduce reasons in clinical problem solving. (4-7 NARS)
- b-7 Choose the drugs suitable for different dental problems (4-6 NARS)
- b.8. Correlate the knowledge of basic science of dental materials, biophysics, chemistry, zoology, botany, and human physiology and anatomy with other dental sciences. (4-1 NARS)
- b.9. Find effective solution for dental patients with medical problems. (4-4 NARS)

C. Professional and practical skills:

Upon completion of the program, the graduate should be able to

- c-1 Organize a complete patient's history, perform clinical examination, and estimate suitable investigations. (3-1 NARS)
- c-2 Prescribe drugs commonly used in oral medicine and evaluate their side effects and interactions. (3-8 NARS)
- c-3 Consult with other health care professionals, when required. (3-2 NARS)
- c-4 Discover the etiological and risk factors of pathological conditions, that may contribute to disease process. (3-3 NARS)
- c-5 Perform a range of clinical procedures which are within the scope of general dentistry: (3-4 NARS)
- c-5-1 Apply preventive procedures.
 - c-5-2 Apply different local anesthetic Techniques.
 - c-5-3 Extract teeth and remove roots when necessary.
 - c-5-4 Diagnose commonly encountered oral lesions.
 - c-5-5 Perform the necessary radiographs.
 - c-5-6 Perform non-surgical periodontal treatment and monitor treatment outcomes.
 - c-5-7 Restore carious and non-carious tooth defects with emphasis on basic concepts of esthetics.
 - c-5-8 Perform basic endodontic procedures.
 - c-5-9 Rehabilitate partially and completely edentulous patients.
 - c-5-10 Diagnose and prevent the development of malocclusions.
- c-6 Use infection control measures in dental practice. (3-5 NARS)
- c-7 Handle patients with anxiety or apprehension in different age groups. (3-6 NARS)
- c-8 Perform basic life support measures in dental and medical emergencies. (3-7 NARS)
- c-9 Monitor the effects of appropriate prescribed pharmaceutical agents taking into consideration drug and patient factors. (3-8 NARS)

d. General and transferable skills:

Upon completion of the program, the graduate should be able to

- d.1 Establish a patient–dentist relationship that allows the effective delivery of dental treatment. (5-2 NARS)
- d.2 Identify patient expectations, desires and attitudes (needs and demands) when considering treatment planning and during treatment. (5-2 NARS)
- d-3 Work as a cooperative member of the multidisciplinary team. (5-1 NARS)
- d-4 Communicate successfully and work in a culturally diverse society. (5-2 NARS)
- d-5 Apply and efficiently identify all available methods for professional development and continuing education. (5-3 NARS)
- d-6 Execute an ethical and scientific attitude. (5-4 NARS)
- d-7 Assess their expert capabilities, work, and advancement. (5-5 NARS)
- d-8 Realize professional accountability towards the nearby society. (5-6 NARS)
- d-9 Apply contemporary technologies to enhance and expand professional practice. (5-7 NARS)
- d-10 Discuss the fundamental ideas of quality assurance and proper performance and management practice. (5-8 NARS)
- d-11 Plan the proper performance and management of practice. (5-9 NARS)

3. Academic standards:

This program adopted the National Academic Reference Standards (NARS) January 2009 of the National Authority for Quality Assurance of Accreditation and Education (NAQAAE), which describes the standards of an undergraduate program in dentistry and **approved by the faculty council number (5) on 26/9/2010.**

4. Reference standards:

Not Applicable

5. Program Structure and Duration:

A. Program duration: 5 levels divided into 10 semesters for 5 Academic years followed by one-year clinical training as house officers.

B. Program structure:

- No credit hours:**

Theoretical	Practical	Total	Obligatory	Elective
114	97	211	207	4

- Structure**

Subjects	NARS percentage range	FUE program percentage	
		No. of credit hours	%
Basic sciences	28-32%	69	32.7 %
Medical and Dental sciences:			
A-Didactic	21-25%	56	26.5%
B-Laboratory & clinical	33-37%	70	33.2%
Complementary sciences	5-8%	12	5.7%
Discretionary subjects	6-8%	4 (2 of 7 elective courses selected by the student)	1.9 (2 courses) 6.6% (7 courses)

- Clinical training:** Each student must spend 1 year (12 months) internship program in any educational dental hospital.

Basic Science subjects:

المقرر	كود المقرر
<i>Physics</i>	SGS 111
<i>Physics</i>	SGS 112
<i>Chemistry</i>	SGS 121
<i>Chemistry</i>	SGS 122
<i>Botany</i>	SGS 131
<i>Botany</i>	SGS 132
<i>Zoology</i>	SGS 141
<i>Zoology</i>	SGS 142
<i>Human Dentition</i>	HPT 111
<i>Human Dentition</i>	HPT 112
<i>General Histology</i>	SGS 251
<i>General Anatomy</i>	SGS 271
<i>General Anatomy</i>	SGS 272
<i>Biochemistry</i>	SGS 261
<i>Biochemistry</i>	SGS 262
<i>General Physiology</i>	SGS 281
<i>General Physiology</i>	SGS 282
<i>Dental Biomaterials</i>	PROS 241
<i>Dental Biomaterials</i>	PROS 242
<i>Oral Histology</i>	HPT 221
<i>Oral Histology</i>	HPT 222
<i>General Microbiology</i>	SGS 391
<i>General Microbiology</i>	SGS 392

Complementary subjects:

اسم المقرر	رقم المقرر
<i>English</i>	ENG 101
<i>English</i>	ENG 102
<i>Computer</i>	CSC 101
<i>Human rights</i>	PS 110
<i>Dental ethics and forensic & report writing</i>	MPDR 541
<i>Dental ethics and forensic & report writing</i>	MPDR 542

Discretionary subjects: يختار الطالب مادتين فقط

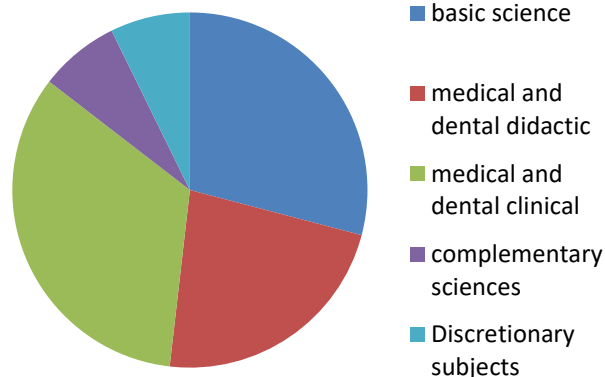
اسم المقرر	رقم المقرر	
علم نفس	Psychology	PSY 101
علم الاجتماع	Sociology	SOC 101
علوم بيئة	Environmental Sciences	ENV 101
التفكير العلمى ومناهج البحث	Scientific Thinking	SCT 101
تطبيقات الحاسوب	computer applications	CSC 102

Medical and Dental sciences:

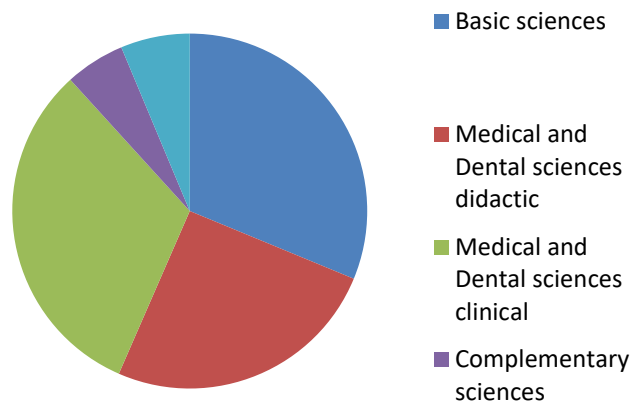
اسم المقرر	رقم المقرر
<i>Technology of conservative dentistry</i>	CONS311
<i>Technology of conservative dentistry</i>	CONS312
<i>Technology of Crown and bridge</i>	PROS 321
<i>Technology of Crown and bridge</i>	PROS 322
<i>Technology of Prosthodontic dentistry</i>	PROS 311
<i>Technology of Prosthodontic dentistry</i>	PROS 312
<i>Pharmacology</i>	SGS 301
<i>Pharmacology</i>	SGS 302
<i>General Pathology</i>	SGS 372
<i>General Pathology</i>	SGS 373
<i>General Medicine, skin and venereal</i>	SGS 411
<i>General Medicine, skin and venereal</i>	SGS 412
<i>General Surgery, ENT and ophthalmology</i>	SGS 421
<i>General Surgery, ENT and ophthalmology</i>	SGS 422
<i>Technology of Endodontics</i>	CONS 433
<i>Technology of Endodontics</i>	CONS 434
<i>Conservative dentistry</i>	CONS 413
<i>Conservative dentistry</i>	CONS 414
<i>Crown and bridge</i>	PROS 423
<i>Crown and bridge</i>	PROS 424
<i>Prosthodontics</i>	PROS 413
<i>Prosthodontics</i>	PROS 414
<i>Oral surgery and anesthesia</i>	OMF 411
<i>Oral surgery and anesthesia</i>	OMF 412

<i>Oral Medicine and periodontology</i>	MPDR 411
<i>Oral Medicine and periodontology</i>	MPDR 412
<i>Orthodontics</i>	ORP 431
<i>Orthodontics</i>	ORP 432
<i>Diagnosis and Radiology</i>	MPDR 431
<i>Diagnosis and Radiology</i>	MPDR 432
<i>Endodontics</i>	CONS 534
<i>Endodontics</i>	CONS 535
<i>Conservative dentistry</i>	CONS 515
<i>Conservative dentistry</i>	CONS 516
<i>Crown and bridge</i>	PROS 525
<i>Crown and bridge</i>	PROS 526
<i>Prosthodontics</i>	PROS 515
<i>Prosthodontics</i>	PROS 516
<i>oral and maxillofacial surgery and anesthesia</i>	OMF 513
<i>oral and maxillofacial surgery and anesthesia</i>	OMF 514
<i>Oral Medicine and periodontology</i>	MPDR 513
<i>Oral Medicine and periodontology</i>	MPDR 514
<i>Pedodontics and public health</i>	ORP 511
<i>Pedodontics and public health</i>	ORP 512
<i>Implantology</i>	OMF 541
<i>Laser applications</i>	MPDR 551

NARS



FODM, FUE



C. Program levels:

• Level 1 and 2 (pre-clinical stage)

Year	Total	Obligatory	University Requirements: Obligatory	University Requirements: Elective
1 st year	40 CH	32 CH	8 CH	---
2 nd year	37 CH	33 CH	---	4 CH
Total	77 CH	65 CH	8 CH	4 CH

• Level 3, 4, and 5 (clinical stage)

Year	Total	Obligatory	Elective
3 rd year	40 CH	40 CH	-----
4 th year	48 CH	48 CH	-----
5 th year	46 CH	46 CH	-----
Total	134 CH	134 CH	-----

*Student must complete 211 Credit hours (CH)

E. Program courses

- **Obligatory courses: First level:**

semester	year	Contact hours			Credit hours	Course name	Course code
		clinical	practical	theoretical			
1	1	-----	2	2	3	<i>Physics</i>	SGS 111
2	1	-----	2	2	3	<i>Physics</i>	SGS 112
1	1	-----	2	3	4	<i>Chemistry</i>	SGS 121
2	1	-----	2	3	4	<i>Chemistry</i>	SGS 122
1	1	-----	2	2	3	<i>Botany</i>	SGS 131
2	1	-----	2	2	3	<i>Botany</i>	SGS 132
1	1	-----	2	2	3	<i>Zoology</i>	SGS 141
2	1	-----	2	2	3	<i>Zoology</i>	SGS 142
1	1	-----	4	1	3	<i>Human Dentition</i>	HPT 111
2	1	-----	4	1	3	<i>Human Dentition</i>	HPT 112
1	1	-----	-----	-----	2	<i>English</i>	ENG 101
2	1	-----	-----	-----	2	<i>English</i>	ENG 102
1	1	-----	-----	-----	2	<i>Computer</i>	CSC 101
1	1	-----	-----	-----	2	<i>Human rights</i>	PS 110
Total					40 CH		

• **Obligatory courses: second level:**

semester	year	Contact hours			Credit hours	Course name	Course code
		clinical	practical	theoretical			
1	2	----	2	2	3	<i>General Histology</i>	SGS 251
1	2	----	2	2	3	<i>General Anatomy</i>	SGS 271
2	2	----	2	2	3	<i>General Anatomy</i>	SGS 272
1	2	----	2	2	3	<i>Biochemistry</i>	SGS 261
2	2	----	2	2	3	<i>Biochemistry</i>	SGS 262
1	2	----	2	2	3	<i>General Physiology</i>	SGS 281
2	2	----	2	2	3	<i>General Physiology</i>	SGS 282
1	2	----	2	2	3	<i>Dental Biomaterials</i>	PROS 241
2	2	----	2	2	3	<i>Dental Biomaterials</i>	PROS 242
1	2	----	2	2	3	<i>Oral Histology</i>	HPT 221
2	2	----	2	2	3	<i>Oral Histology</i>	HPT 222
Total					33 CH		

• **Elective courses: second level:**

	2	----	----	2	2	2 Elective subjects
	2			2	2	
Total					4 CH	

• **Obligatory courses: third level:**

semester	year	Contact hours			Credit hours	Course name	Course code
		clinical	practical	theoretical			
1	3	----	4	1	3	<i>Technology of conservative dentistry</i>	CONS311
2	3	----	4	1	3	<i>Technology of conservative dentistry</i>	CONS312
1	3	----	4	1	3	<i>Technology of Crown and bridge</i>	PROS 321
2	3	----	4	1	3	<i>Technology of Crown and bridge</i>	PROS 322
1	3	----	4	1	3	<i>Technology of Prosthodontic dentistry</i>	PROS 311
2	3	----	4	1	3	<i>Technology of Prosthodontic dentistry</i>	PROS 312
1	3	----	2	1	2	<i>General Microbiology</i>	SGS 391
2	3	----	2	1	2	<i>General Microbiology</i>	SGS 392
1	3	----	2	2	3	<i>Pharmacology</i>	SGS 301
2	3	----	2	2	3	<i>Pharmacology</i>	SGS 302
1	3	----	2	2	3	<i>General Pathology</i>	SGS 372
2	3	----	2	2	3	<i>General Pathology</i>	SGS 373
1	3	----	2	2	3	<i>Oral Pathology</i>	HPT 331
2	3	----	2	2	3	<i>Oral Pathology</i>	HPT 332
Total					40 CH		

• **Obligatory courses: fourth level:**

semester	year	Contact hours			Credit hours	Course name	Course code
		clinical	practical	theoretical			
1	4	----	2	2	3	<i>General Medicine, skin and venereal</i>	SGS 411
2	4	----	2	2	3	<i>General Medicine, skin and venereal</i>	SGS 412
1	4	----	2	2	3	<i>General Surgery, ENT and ophthalmology</i>	SGS 421
2	4	----	2	2	3	<i>General Surgery, ENT and ophthalmology</i>	SGS 422
1	4	----	2	1	2	<i>Technology of Endodontics</i>	CONS 433
2	4	----	2	1	2	<i>Technology of Endodontics</i>	CONS 434
1	4	----	3	1	2	<i>Conservative dentistry</i>	CONS 413
2	4	----	3	1	2	<i>Conservative dentistry</i>	CONS 414
1	4	----	3	1	2	<i>Crown and bridge</i>	PROS 423
2	4	----	3	1	2	<i>Crown and bridge</i>	PROS 424
1	4	----	3	1	2	<i>Prosthodontics</i>	PROS 413
2	4	----	3	1	2	<i>Prosthodontics</i>	PROS 414
1	4	----	2	1	2	<i>Oral surgery and anesthesia</i>	OMF 411
2	4	----	2	1	2	<i>Oral surgery and anesthesia</i>	OMF 412

1	4	----	2	2	3	<i>Oral Medicine and periodontology</i>	MPDR 411
2	4	----	2	2	3	<i>Oral Medicine and periodontology</i>	MPDR 412
1	4	----	2	1	2	<i>Orthodontics</i>	ORP 431
2	4	----	2	1	2	<i>Orthodontics</i>	ORP 432
1	4	----	2	2	3	<i>Diagnosis and Radiology</i>	MPDR 431
2	4	----	2	2	3	<i>Diagnosis and Radiology</i>	MPDR 432
Total					48 CH		

• **Obligatory courses: Fifth level:**

semester	year	Contact hours			Credit hours	Course name	Course code
		clinical	practical	theoretical			
1	5	----	3	1	2	<i>Endodontics</i>	CONS 534
2	5	----	3	1	2	<i>Endodontics</i>	CONS 535
1	5	----	6	1	3	<i>Conservative dentistry</i>	CONS 515
2	5	----	6	1	3	<i>Conservative dentistry</i>	CONS 516
1	5	----	6	1	3	<i>Crown and bridge</i>	PROS 525
2	5	----	6	1	3	<i>Crown and bridge</i>	PROS 526
1	5	----	6	1	3	<i>Prosthodontics</i>	PROS 515
2	5	----	6	1	3	<i>Prosthodontics</i>	PROS 516
1	5	----	3	2	3	<i>oral and maxillofacial surgery and anesthesia</i>	OMF 513

2	5	----	3	2	3	<i>oral and maxillofacial surgery and anesthesia</i>	OMF 514
1	5	----	3	2	3	<i>Oral Medicine and periodontology</i>	MPDR 513
2	5	----	3	1	3	<i>Oral Medicine and periodontology</i>	MPDR 514
1	5	----	3	1	2	<i>Pedodontics and public health</i>	ORP 511
2	5	----	3	1	2	<i>Pedodontics and public health</i>	ORP 512
1	5	----	3	1	2	<i>Implantology</i>	OMF 541
1	5	----	2	1	2	<i>Laser applications</i>	MPDR 551
1	5	----	----	2	2	<i>Dental ethics and forensic & report writing</i>	MPDR 541
2	5	----	----	2	2	<i>Dental ethics and forensic & report writing</i>	MPDR 542
Total					46 CH		

• **Elective courses:**

semester	year	Contact hours			Credit hours	Course name	Course code
		clinical	practical	theoretical			
3 OR 4	2	0	0	2	2	psychology	PSY101
3 OR 4	2	0	0	2	2	Sociology	SOC101
3 OR 4	2	0	0	2	2	Environmental sciences	ENV101
3 OR 4	2	0	0	2	2	Small project management	MGT100

3 OR 4	2	0	0	2	2	Business administration	BSA101
3 OR 4	2	0	0	2	2	Scientific thinking	CST101
3 OR 4	2	0	0	2	2	Computer applications	CSC102

6. Courses Contents and specifications: (refer to Annex 5 as a separate file)

7. Program admission and transfer requirements:

- It is determined on the bases of scores obtained in Secondary school degree and other equivalent degrees from Egypt and other countries. The required scores are yearly determined by the higher council of private university in Egypt.
- Future University in Egypt admits applicants seeking to apply for the fall and spring semesters, according to the regulations of the Egyptian Ministry of Higher Education.
- All qualified applicants must sit for an English Placement Test (EPT) upon which the level of English Language of each student is determined. Students must complete all the admission procedures which include a medical examination conducted by the university.
- Faculty of Oral & Dental Medicine accepts various types of high school certificates that are calculated according to the regulations set by the Supreme Council of the Egyptian Universities. The certificates must show that the applicant has studied Chemistry, Physics and Biology among other subjects.

شروط القبول :

1- أن يكون المتقدم مستوفي لكل شروط القبول التي أقرها مجلس الجامعة بما لا يتعارض مع قانون تنظيم الجامعات الخاصة

2- أن يجتاز المتقدم بنجاح اختبار القدرات والمواد المؤهلة الذي تحدده الكلية .

3- يجوز للكلية أن تقبل الطلاب الحاصلين علي البكالوريوس في الطب والجراحة ويتم إعفاء هؤلاء الطلبة من المقررات المناظرة للمقررات التي درسوها في كلية الطب البشري وتعد جداول خاصة لهم لاستكمال المواد الخاصة بطب الفم و الأسنان التي لم يدرسوها ، و يمكن لهم إتمام ذلك في أربعة فصول دراسية أو أكثر ، كما يجوز للكلية أن تقبل الحاصلين علي درجة البكالوريوس من أي من الكليات العلمية الأخرى بعد تقييم المواد التي درسوها ومطابقتها بالمواد التي تدرس بالكلية للنظر في إمكانية إعفائهم من بعض المواد السابق دراستها وتأدية امتحان فيها بنجاح مع مراعاة متوسط درجة الثانوية العامة في وقت

الحصول عليها بشرط أن لا تقل مدة دراستهم بالكلية عن عامين دراسيين أى اربعة فصول دراسية بالإضافة إلى التدريب الصيفى حتى يتمكن الطالب من التدريب والإستيعاب المهنى الكافى .

• يجوز تحويل الطلاب المقيدىن في إحدى كليات الجامعات المصرية أو في إحدى الجامعات الأجنبية المعترف بها ، بالشروط التالية :

1- أن يكون الطالب حاصلاً علي مجموع الدرجات في الثانوية العامة أو ما يعادلها لا يقل عن الحد الأدنى الذي نص عليه قرار رئيس الجمهورية بشأن إنشاء الجامعة وقرارات مجلس التعليم الخاص .

2- أن يجتاز الطالب بنجاح اختبارات القبول والقدرات أو أية اختبارات أخرى وفق القواعد التي يحددها مجلس الجامعة .

8. Regulations for progression and program completion:

- Attendance of lectures, labs and clinics is an important issue in the educational process inside the faculty, as the student gets benefits from the interaction inside the classroom between him and the staff members, teaching assistants and colleagues. Therefore, students should attend regularly so that their grades are not affected by their absences.
- Students that do not attend a term exam without an excuse that his/her academic advisor and the course's instructor agree upon are not given a make-up examination.
- Students may be forced to withdraw from a course if the absence ratio exceeded 25% of the lectures, labs and clinics during the first 10 weeks of the semester, but if the absence ratio exceeded 25% after the first 10 weeks, students are not allowed to withdraw the course, attending lectures or attending the final term examination. The student gets grade (F) in this course. The students have to be warned at least once before preventing them from attending the examination.
- The Final exam may be postponed for a student till the start of the next semester if he/she has an excuse accepted by the faculty council. In this case, the semester work mark is kept, and the student is allowed to enter the final exam at the beginning of the next semester and gets a final grade (Incomplete) in this course in the semester in which he/she did not sit for the examination. This incomplete grade is changed to the actual grade obtained by the student in the postponed examination.

- تتم الدراسة وفق نظام الساعات المعتمدة الذى يسمح للطالب بزيادة او إنقاص عدد الساعات المسجله فى كل فصل دراسى وفقا لا استعدادة وقدرته على التحصيل.
- تعقد الامتحانات الدورية التحريرية والعملية بكل فصل دراسى ويخصص لها 50 % من الدرجة النهائية لكل فصل دراسى وتخصص نسبة 50 % لامتحانات نهاية الفصل الدراسى.
- يكون تفصيل نسبة الـ 50% المخصصة لامتحانات الدورية خلال الفصل الدراسى كما يلى :-
 - 1- إختباران تحريريان يعقد اولهما فى الاسبوع السادس والثانى فى الاسبوع الحادى عشر من الفصل الدراسى.
 - 2- الامتحانات الفجائية التى تعقد فى حصص المحاضرات والحصص العملية.
 - 3- الاختبارات الشفهية والعملية (إن وجدت).
 - 4- إلتزام الطالب وقدرته على الاستيعاب والمناقشه.
- يبقى الطالب للاعادة فى المواد التى رسب فيها او تغيب عنها فى الفصل الدراسى الصيفى.
- العام الدراسى لكل فرقة هو عبارة عن فصلين دراسيين اساسيين المدة الزمنية لكل منهما خمسة عشرة اسبوعا ويتخلله إمتحانات دوريه لكل مقرر طوال مدة الدراسة فى هذا الفصل ويعقد أمتحان نهائى للطلاب فى نهاية كل فصل دراسى ويقوم كل قسم بالكلية بتحديد نوعية وطريقة هذا الامتحان واجرائه بعد موافقة مجلس الكلية .
- يتقدم الطالب للفصل الدراسى الصيفى بحيث لا يزيد العبء الدراسى عن 9 ساعات معتمده ولا بد أن يحضر الطالب خلال الفصل الصيفى بصوره مرضيه فى تلك المواد للسماح له بدخول الامتحان.
- على الطالب متابعة الدروس والمحاضرات العلمية والعملية فى كل فصل دراسى وللمجلس الكلية بناء على طلب مجالس الاقسام المختصة ان يحرم الطالب من التقدم لامتحان كله او بعضه اذا رأى ان مواظبته على حضور واداء التدريبات والمتطلبات العملية غير مرضية وفى هذه الحالة يعتبر الطالب راسبا فى المقررات التى حرم من التقدم لامتحان فيها الا اذا تقدم بعذر يقبله مجلس الكلية ويعتبر غائبا بعذر مقبول على ان يستوفى شروط الحضور فى المقررات التى قدم عنها العذر وهى ان لا يتجاوز غياب الطالب نسب 25% من متابعة الدروس العلمية والعملية لكل فصل دراسى على حده .
- هذا مع العلم بان حرمان الطالب الغائب بدون عذر مقبول من التقدم لامتحان لا يتم الا بعد ان تكون الكلية قد قامت بانذار الطالب كتابيا على عنوانه المسجل بها.
- يسمح للطالب بالتسجيل فى المقرر الذى رسب فيه اى حصل على درجة ضعيف فادنى- وفى حالة اعادة المقرر والنجاح فيه- ترصد له الدرجة الجديدة .
- يشترط لنجاح الطالب فى المقرر الدراسى ان يحصل على (60 %) من مجموع درجات الامتحان المخصصة للمقرر على الاقل .

3- و يشترط لتخريج الطالب من كلية طب الفم و الأسنان بجامعة المستقبل أن يكون قد درس فيها أربعة فصول دراسية علي الأقل .

• يحتسب للطالب المحول إلي كلية طب الفم و الأسنان المقررات الدراسية التي قد درسها واجتاز فيها بنجاح في الكلية المحول منها ، إذا كان لهذه المقررات نظير في كلية طب الفم و الأسنان فإذا لم يكن لها نظير جاز احتسابها كإحدى المواد الاختيارية التي تعد من بين متطلبات الجامعة للتخرج .

و إذا كان الطالب حاصلاً علي تقدير مقبول في المقرر الذي اجتاز الامتحان فيه بنجاح في الكلية المحول منها ، تعين أن يجتاز بنجاح الامتحان في المقررات الدراسية في الفرقة التي حول إليها ، بشرط ألا تقل مدة الدراسة في كلية طب الفم و الأسنان بجامعة المستقبل عن أربعة فصول دراسية .

وفي جميع الأحوال يخضع الطالب لشروط التخرج المقررة في كلية طب الفم و الأسنان ، وفقاً للنظام الأساسي بجامعة المستقبل.

• علي الطالب متابعة المحاضرات و الدروس العلمية في كل فصل دراسي و لمجلس الكلية بناء علي طلب مجالس الأقسام المتخصصة أن يحرم الطالب من التقدم للامتحان كله أو بعضه إذا رأي أن مواظبته علي حضور و أداء التمرينات العملية غير مرضية (إذا زادت نسبة غياب الطالب عن 25%) وفي هذه الحالة يعتبر الطالب راسباً في المقررات التي حرم من التقدم للامتحان فيها وترصد له درجة (F) في هذا المقرر إلا إذا قدم عذراً يقبله مجلس الكلية فيعتبر غائباً بعذر مقبول علي أن يستوفي شروط الحضور والمتطلبات في المقررات التي قدم عنها عذراً في فصل تالي .

هذا مع العلم بأن حرمان الطالب الغائب بدون عذر مقبول من التقدم للامتحان لا يتم إلا بعد أن تكون الكلية قد قامت بإصدار الطالب علي عنوانه المسجل بها .

• لمجلس القسم تحديد درجات الامتحانات الدورية الخاصة بالمقررات التي يقدمها القسم من خلال درجات الفصل الدراسي الأول وكذلك درجات الامتحانات الدورية بالنسبة للفصل الدراسي الثاني وذلك بعد أخذ موافقة مجلس الكلية عليها وتعلن درجات الامتحانات الدورية لكل طالب قبل بدء امتحانات نهاية العام الدراسي

• لكل مادة عملية من مواد طب الفم و الأسنان متطلبات يجب أن يعدها الطالب قبل السماح له بدخول الامتحان وتحدد مجالس الأقسام المتطلبات لكل مادة وتؤخذ موافقة مجلس الكلية عليها وتعلن للطالب في أول العام الدراسي الذي يدرس فيه تلك المادة.

شروط التخرج

يشترط لمنح الطالب درجة البكالوريوس فى طب وجراحة الفم والأسنان توافر الشروط التالية:

- أ- أن يكون قد استوفى المتطلبات العملية والاكاديمية لكل مقرر بكل قسم خلال سنوات الدراسة الخمس .
- ب- ان يكون الطالب قد استوفى نسبة الحضور المقررة للدروس العملية والعلمية والاكاديمية لكل مقرر من المقررات.
- ج- ان يكون قد اجتاز بنجاح الامتحانات النظرية والعملية الاكاديمية والشفهية لجميع المقررات سواء كانت من متطلبات الجامعة او الكلية.
- د - ان لا يقل الوزن الرقى للمعدل التراكمى العام للطالب عند التخرج عن (2)
- هـ - عدد الساعات المعتمدة التي يجب على الطالب اجتيازها هو 207 ساعة معتمدة. وهناك مقررين إختياريين يكون عدد الساعات المعتمده لهما هو 4 ساعات .
- و- العبء الدراسي العادي للفصل الدراسي يتراوح بين 17-21 ساعة معتمدة طبقا لمناهج كل فصل دراسى . اما العبء الدراسي للفصل الدراسي الصيفي هو 9 ساعات معتمدة.
- ز- يسمح للطالب بالتسجيل فى كل فصل دراسى بما لا يتجاوز 24 ساعة معتمدة بشرط موافقة العميد بعد أخذ رأى المرشد الأكاديمي.

مراتب الشرف:

يمنح الطلاب المتفوقون عند تخرجهم مراتب شرف على اساس معدلاتهم التراكمية طبقا للقواعد التالية:

* مرتبة الشرف الأولى: للطالب الحاصل على تقدير إمتياز بمعدل تراكمى لا يقل عن "3.7".

* مرتبة الشرف الثانية: للطالب الحاصل على تقدير جيد جدا بمعدل تراكمى لا يقل عن "3.0".

هذا بشرط ان لا يكون الطالب قد رسب فى اى مقرر من المقررات الدراسية طوال مدة الدراسة (الخمس سنوات) او تخلف عن اداء الامتحان فى اى مقرر الا بعذر مقبول من القسم والكلية.

التقدير والتقييم

يقدر نجاح الطالب وكذلك تقيم درجاته الحاصل عليها طبقا للنظام المعمول به وهو ان لكل مقرر حرف ووزن رقمى من النسبة المئوية للدرجة الحاصل عليها الطالب طبقا للجدول التالى:

المعدل التراكمى	النسبة المئوية	الدرجة
4.00	من 90% فأكثر	A
3.70	من 85% لاقبل من 90%	A-
3.30	من 80% لاقبل من 85%	B+
3.00	من 75% لاقبل من 80%	B
2.70	من 72% لاقبل من 75%	B-
2.30	من 70% لاقبل من 72%	C+
2.00	من 67% لاقبل من 70%	C
1.70	من 65% لاقبل من 67%	C-
1.30	من 62% لاقبل من 65%	D+
1.00	من 60% لاقبل من 62%	D
--	أقل من 60%	F

يشترط لنجاح الطالب فى المقرر الدراسى ان يحصل على 60 % على الاقل من مجموع الدرجات المخصصة بتقدير مقبول = (D) = معدل تراكمى (1.0)

• **Semester Withdrawal:**

- The student has the right to withdraw from an academic semester within the withdrawal period announced in the academic calendar of the semester.
- The student will be considered to have failed if he withdraws after the period, unless he/she has a valid reason which is acceptable to his advisor, and the faculty Dean.

9. Program teaching and learning methods:

No.	Teaching / Learning Method	Selected Methods	ILOs Covered by Method			
			Knowledge and understanding	Intellectual Skills	Practical / Professional Skills	General and Transferable Skills
1	Interactive Lectures	√	√	√		√
2	Discussions	√	√	√		√
3	Brainstorming	√	√	√		√
4	Tutorials	√			√	√
5	Practical Lab/clinical Sessions	√			√	√
6	Self-learning (Project / Reading Materials / Online Material / Presentations)	√	√	√	√	√
7	Demonstration	√			√	√
8	Case Studies	√	√	√	√	√
9	Problem Solving	√	√	√	√	√
10	Field trip	√			√	√
11	Seminar/Workshop	√	√	√		√
12	Online Interactive lecture (synchronous learning)					
13	Others (Specify) Asynchronous learning (Recorded lecture)	√	√	√		

10. Methods of students' assessment:

Method	Measured Intended Learning Outcomes (ILOs)
Written examination: midterm and final	To assess: <ul style="list-style-type: none"> ▪ Knowledge & understanding: (a.1 to a.19) ▪ Intellectual skills: (B.1.to B.9)
Oral examination: final	To assess: <ul style="list-style-type: none"> ▪ Knowledge & understanding: (a.1 to a.19) ▪ Intellectual skills: (B.1.to B.9) ▪ General & transferable skills: (d.1 to d.10)
Practical & clinical examination: final	To assess: <ul style="list-style-type: none"> ▪ Knowledge & understanding: (a.1 to a.19) ▪ Intellectual skills: (B.1.to B.9) ▪ Professional skills & attitude (c.1 to c.9) ▪ General & transferable skills: (d.1 to d.10)
Class work and self-learning activities: throughout the term	To assess: <ul style="list-style-type: none"> ▪ Knowledge & understanding: (a.1 to a.19) ▪ Intellectual skills: (B.1.to B.9) ▪ Professional skills & attitude (c.1 to c.9) General & transferable skills: (d.1 to d.10)

Distribution of marks:

Chemistry - Physics - Botany and Genetics - Zoology

Class work: 20%

Midterms: 40%

Written examination: 30%

Practical examination: 10%

Dental Implantology - Laser - Dental Ethics - Report Writing

Midterms: 50%

Written examination: 50%

Remaining subjects

Class work: 20%

Midterms: 30%

Written examination: 25%

Oral examination: 10%

Practical & clinical examination: 15%

11. Program evaluation

Evaluator	Tool	Sample
1. Senior students	Questionnaire	25%
2. Alumni	Questionnaire, Meeting	20%
3. Stakeholders	Questionnaire, Meeting	Samples from all sectors
4. External Evaluator(s)	Report	1-2 reports
5. Internal Evaluator(s)	Report	1-2 reports
6. Analysis of student results	Report	Annual

Program learning strategies:

1. Active learning
2. Outcome-based learning
3. Problem-solving learning
4. Cooperative-based learning
5. Self-learning

Program Coordinator:

- **Name:** Professor: Gihan Omar, vice dean of education & students affairs.
- **Signature:** Gihan Omar
- **Date:** 17-9-2023

Annex

- **Annex 1: National Academic Reference Standards (NARS)**

Curriculum structure

- **Annex 2 : program aims and ILOs vs NARS**
- **Annex 3 : Program Aims vs program ILOs**
- **Annex 4 : Program Courses vs program ILOs**
- **Annex 5: Courses Specifications:**
 - Faculty requirements
 - University requirements
 - Elective courses

Annex 1: National Academic Reference Standards (NARS)

1. Attributes of the Graduates of Dental Medicine

The graduate must be able to:

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

2. Knowledge and Understanding

Upon completion of an undergraduate dental program, the graduate must know and understand the biomedical, dental, and behavioral sciences that form the basis of human health and disease including:

- 2.1. The interrelationship between different systems of the human body.
- 2.2. The principles of pathogenic mechanisms and manifestations of human diseases which are of dental significance.
- 2.3. Basis and significance of oral health promotion, nutritional education and prevention of oral diseases in population-based approaches.
- 2.4. Prevention and management of medical emergencies.
- 2.5. Maintenance of infection control and a safe working environment.
- 2.6. Basis of practice management.
- 2.7. Principles of evidence-based dentistry and its relation to scientific research.
- 2.8. Ethical and medico-legal aspects relevant to the practice of dentistry and research.
- 2.9. Social and psychological issues relevant to dental care with emphasis on behavioral management.

3. Practical and Clinical Skills

The graduate must be able to:

- 3.1. Establish a comprehensive patient's history, perform clinical examination, request and evaluate appropriate investigations.
- 3.2. Review the body systems and consult with other health care professionals, when required.
- 3.3. Detect abnormal and pathological conditions, as well as etiological and/or risk factors that may contribute to disease process.
- 3.4. Perform a range of clinical procedures which are within the scope of general dentistry, including:
 - 3.4.1. Applications of preventive procedures.
 - 3.4.2. Application of different local anesthetic techniques.
 - 3.4.3. Extraction of teeth and removal of roots when necessary.
 - 3.4.4. Diagnosis of commonly encountered oral lesions.
 - 3.4.5. Performance of the necessary radiographs.
 - 3.4.6. Performance of non-surgical periodontal treatment and monitor treatment outcomes.
 - 3.4.7. Restoration of carious and non-carious tooth defects with emphasis on basic concepts of esthetics.
 - 3.4.8. Basic endodontic procedures.
 - 3.4.9. Rehabilitation of partially and completely edentulous patients.
 - 3.4.10. Diagnosis and prevention of developing malocclusions.
 - 3.4.11. Basic endodontic treatment.
- 3.5. Apply current infection control guidelines.
- 3.6. Control different levels of patient's anxiety and apprehension in different age groups.
- 3.7. Manage dental and medical emergencies which may occur in dental practice and perform basic life support measures.
- 3.8. Prescribe and monitor the effects of appropriate pharmaceutical agents taking into consideration drug and patient factors.

4. Intellectual Skills

The dental graduate must be able to:

- 4.1. Integrate basic biomedical, behavioral, and dental sciences with signs, symptoms and physical findings of the disease.

- 4.2. Differentiate between normal and abnormal features that are particularly relevant to dental practice.
- 4.3. Identify, prioritize, and generate a list of potential patient's clinical problems.
- 4.4. Analyze, interpret, and integrate collected diagnostic data to solve clinical problems based on current evidence.
- 4.5. Design appropriate treatment plans for different dental problems.
- 4.6. Assess and evaluate the effects of medications taken by the patient on dental management.
- 4.7. Reason deductively in clinical problem solving.

5. General and Transferable Skills

The graduate must be able to:

- 5.1. Work in collaboration as a member of an interdisciplinary team.
- 5.2. Communicate effectively in multicultural work environment using verbal and non-verbal means.
- 5.3. Recognize and effectively utilize all sources for continuing professional development and life-long learning.
- 5.4. Adopt a creative attitude in an ethical and scientific approach.
- 5.5. Self-evaluate professional abilities, performance, and progress.
- 5.6. Recognize professional responsibility towards the surrounding community.
- 5.7. Use information technologies to enrich and diversify professional experience.
- 5.8. Recognize the basic concepts of quality assurance and practice management.
- 5.9. Prioritize workload and manage personal stress in the framework of proper performance and management.

Curriculum Structure

The percentages mentioned in the following table for each area of study are just a guide for the faculty and not obligatory to follow.

Table 1. Percentages of areas of study

Subjects	Range	Characterization
Basic sciences	28%-32%	*All basic sciences including basic medical and dental sciences.
Medical and Dental sciences		**All dental and medical sciences.
A- Didactic	21%-25%	
B- Laboratory & clinical	33%-37%	
Complementary sciences	5%-8%	Behavioral science Law, Ethics and Professionalism Information Technology
Subtotal		
• Discretionary subjects	6-8%	
Total	100%	

• Allowed to each faculty to use based on its mission

*Physics, Chemistry, Bioscience, Human Anatomy, Growth and Genetics, Physiology, Biochemistry, Microbiology and Immunology, General Histology, Pharmacology, General Pathology, Oral Biology, Dental Anatomy and Oral Physiology, Dental Biomaterials and Oral Pathology.

** Internal medicine, General surgery, Restorative Dentistry, prothodontics, Oral and maxillofacial Surgery and General Anesthesia, Diagnostic Sciences, Oral Medicine, Oral Maxillofacial Radiology, Periodontics, Endodontic, Orthodontics and Dentofacial Orthopedics, Pediatric Dentistry, Public Health and Community Dentistry

Annex 2: Program aims and vs NARS

Aims of program vs attributes of NARS:

NARS Attributes	Program Aims									
	1-1	1-2	1-3	1-4	1-5	1-6	1-7	1-8	1-9	1-10
1.1	√									
1.2				√						
1.3		√								
1.4					√					
1.5							√			
1.6								√		
1.7									√	
1.8										√
1.9			√							
1.10									√	

A-Knowledge and understanding of program vs NARS:

NARS	Program ILOs																	
	a1	a2	a3	a4	a5	a6	a7	a8	a9	a10	a11	a12	a13	a14	a15	a16	a17	a18
2.1		√	√			√	√											
2.2				√	√													
2.3								√	√		√							
2.4	√													√				
2.5																	√	
2.6										√						√		
2.7													√					√
2.8															√			
2.9												√						

B. Intellectual skills of program vs NARS:

NARS	Program ILOs								
	b1	b2	b3	b4	b5	b6	b7	b8	b9
4.1								√	
4.2	√								
4.3		√							
4.4			√						√
4.5				√					
4.6					√		√		
4.7						√			

C. Professional and Practical skills of program vs NARS:

NARS	Program ILOs								
	C1	C2	C3	C4	C5	C6	C7	C8	C9
3.1	√								
3.2			√						
3.3				√					
3.4					√				
3.5						√			
3.6							√		
3.7								√	
3.8		√							√

D- General Transferrable skills:

NARS	Program ILOs										
	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11
5.1			√								
5.2	√	√		√							
5.3					√						
5.4						√					
5.5							√				
5.6								√			
5.7									√		
5.8										√	
5.9											√

Annex 3: Aims of program vs program ILO

ILOs	Program aims									
	1-1	1-2	1-3	1-4	1-5	1-6	1-7	1-8	1-9	1-10
knowledge and understanding										
A1	√									
A2	√									
A3	√									
A4		√								
A5		√								
A6		√								
A7		√								
A8			√							
A9			√							
A10						√				
A11					√					
A12					√		√			
A13						√				
A14			√							
A15				√						√
A16						√	√	√	√	
A17							√	√		
A18						√			√	
Intellectual skills										
B1		√								
B2		√						√		
B3			√							
B4			√	√			√		√	√
B5			√							
B6					√	√				
B7						√				
B8	√									
B9			√							

ILOs	Program aims									
	1-1	1-2	1-3	1-4	1-5	1-6	1-7	1-8	1-9	1-10
Professional and practical skills										
C1		√	√							
C2			√							
C3			√							
C4		√								
C5		√			√	√			√	
C6	√							√		√
C7	√					√	√		√	
C8	√			√	√	√				√
C9			√		√	√				
General and transferable skills										
D1		√			√		√			
D2			√		√	√				
D3	√				√	√				
D4	√			√	√					
D5			√		√	√			√	
D6	√			√	√	√				
D7					√	√			√	
D8				√			√			√
D9						√			√	
D10						√		√		√
D11			√		√	√				

Annex 4: Courses vs program ILOs

A-Knowledge and understanding:

Courses	Program ILOs																	
	A 1	A 2	A 3	A 4	A 5	A 6	A 7	A 8	A 9	A 10	A 11	A 12	A 13	A 14	A 15	A 16	A 17	A 18
General Physics SGS 111	√	√	√	√		√												
General Physics SGS 112	√	√	√	√		√												
Chemistry SGS 121	√	√																
Chemistry SGS 122	√	√																
Zoology SGS 141	√	√	√	√	√													
Zoology SGS 142	√	√	√	√	√													
Botany & Genetics SGS 131	√	√	√	√														
Botany & Genetics SGS 132	√	√	√	√	√	√	√	√	√									
General Anatomy SGS 271							√	√										
General Anatomy SGS 272							√	√										
General Histology SGS 251							√	√										
General Physiology SGS 281	√	√	√	√	√													
General Physiology SGS 282		√		√	√		√											
Biochemistry SGS 261							√	√										
Biochemistry SGS 262							√	√										
Dental Anatomy & Physiology HPT 111	√							√										
Dental Anatomy & Physiology HPT 112							√	√										
Dental Biomaterials PROS 241			√								√							
Dental Biomaterials PROS 242			√								√							
Technology of Removable Prosthodontics PROS 311						√	√										√	
Technology of Removable	√	√	√	√	√	√	√											

Courses	Program ILOs																		
	A 1	A 2	A 3	A 4	A 5	A 6	A 7	A 8	A 9	A 10	A 11	A 12	A 13	A 14	A 15	A 16	A 17	A 18	
Prosthodontics PROS 312																			
Technology of conservative Dentistry CONS 311	√	√	√			√	√												
Technology of conservative Dentistry CONS 312		√	√			√	√												
Technology of Crown & Bridge PROS 321						√				√									
Technology of Crown & Bridge PROS 322					√	√				√									
Oral Histology HPT221							√	√											
Oral Histology HPT222							√	√											
General Pathology SGS 372				√				√											
General Pathology SGS 373				√				√											
General Microbiology SGS 391						√													√
General Microbiology SGS 392						√													√
Pharmacology SGS 301	√					√		√											
Pharmacology SGS 302	√					√		√											
Oral pathology HPT 331					√	√	√	√											
Oral pathology HPT 332					√	√	√	√											
Orthodontics ORP 431				√	√		√	√	√	√									
Orthodontics ORP 432				√	√		√	√	√	√									
General medicine & skin venereal SGS 411		√		√															
General medicine & skin venereal SGS 412		√		√															
General SURGERY & Ent & ophthalmology SGS 421	√	√	√																
General SURGERY & Ent & ophthalmology SGS 422	√	√	√	√	√	√	√	√											

Courses	Program ILOs																	
	A 1	A 2	A 3	A 4	A 5	A 6	A 7	A 8	A 9	A 10	A 11	A 12	A 13	A 14	A 15	A 16	A 17	A 18
Removable Prosthodontics PROS 413			√				√								√		√	
Removable Prosthodontics PROS 414						√	√											
Conservative Dentistry CONS 413	√											√						
Conservative Dentistry CONS 414	√											√						
Crown & Bridge PROS 423						√	√											
Crown & Bridge PROS 424						√	√											
Technology of Endodontics CONS 433	√	√	√															
Technology of Endodontics CONS 434	√	√	√															
Oral Surgery & anesthesia OMF 411																	√	
Oral Surgery & anesthesia OMF 412															√		√	√
Oral Medicine & Periodontology MPDR 411	√						√											
Oral Medicine & Periodontology MPDR 412	√						√											
Oral Diagnosis & Radiology MPDR 431	√	√	√	√	√	√	√	√	√									
Oral Diagnosis & Radiology MPDR 432	√						√											
Endodontics CONS 534					√	√				√	√							
Endodontics CONS 535	√	√	√	√	√	√	√											
Conservative dentistry CONS 515	√	√	√	√	√				√									
Conservative dentistry CONS 516	√	√	√	√	√	√	√	√										
Crown and bridge PROS 525	√	√	√	√	√													
Crown and bridge PROS 526	√	√	√	√	√													
Removable prosthodontics PROS 515			√	√	√													

Courses	Program ILOs																	
	A 1	A 2	A 3	A 4	A 5	A 6	A 7	A 8	A 9	A 10	A 11	A 12	A 13	A 14	A 15	A 16	A 17	A 18
Removable prosthodontics PROS 516	√	√	√	√														
oral and maxillofacial surgery and anesthesia OMF 513					√	√												
oral and maxillofacial surgery and anesthesia OMF 514	√	√	√	√	√													
Oral Medicine & Periodontology MPDR 513	√						√											
Oral Medicine & Periodontology MPDR 514	√						√											
Pedodontics and public health ORP 511								√										
Pedodontics and public health ORP 512	√						√											
Dental ethics and forensic & report writing MPRD 541							√	√	√									
Dental ethics and forensic & report writing MPRD 542			√	√	√													
Laser applications MPDR 551	√	√	√	√	√	√												
Implantology OMF 541																	√	

B. Intellectual skills

Courses	Program ILOs								
	B1	B2	B3	B4	B5	B6	B7	B8	B9
General Physics SGS 111	√	√	√	√					
General Physics SGS 112	√	√	√	√					
Chemistry SGS 121	√	√	√	√					
Chemistry SGS 122	√	√	√	√					
Zoology SGS 141	√	√	√	√	√	√			
Zoology SGS 142	√	√	√	√	√	√			
Botany & Genetics SGS 131	√	√	√						
Botany & Genetics SGS 132	√	√	√						
General Anatomy SGS 271	√							√	
General Anatomy SGS 272	√							√	
General Histology SGS 251	√							√	
General Physiology SGS 281	√	√	√						
General Physiology SGS 282		√	√			√		√	
Biochemistry SGS 261	√							√	
Biochemistry SGS 262	√							√	
Dental Anatomy & Physiology HPT 111	√								
Dental Anatomy & Physiology HPT 112	√							√	
Dental Biomaterials PROS 241				√		√		√	
Dental Biomaterials PROS 242				√		√		√	
Technology of Removable Prosthodontics PROS 311		√	√	√					
Technology of Removable Prosthodontics PROS 312	√	√	√	√					
Technology of conservative Dentistry CONS 311	√							√	
Technology of conservative Dentistry CONS 312	√							√	
Technology of Crown & Bridge PROS 321	√	√	√						

Courses	Program ILOs								
	B1	B2	B3	B4	B5	B6	B7	B8	B9
Technology of Crown& Bridge PROS 322	√		√	√					
Oral Histology HPT 221	√							√	
Oral Histology HPT 222	√							√	
General Pathology SGS 372	√							√	
General Pathology SGS 373	√							√	
General Microbiology SGS 391				√			√		
General Microbiology SGS 392				√			√		
Pharmacology SGS 301	√	√							
Pharmacology SGS 302	√	√							
Oral pathology HPT 331	√	√	√						
Oral pathology HPT 332	√	√	√						
Orthodontics ORP 431	√		√	√	√				√
Orthodontics ORP 432	√		√	√	√				√
General medicine & skin & venereal SGS 411		√	√	√		√			
General medicine & skin & venereal SGS 412			√					√	
General SURGERY& Ent & ophthalmology SGS 421	√	√							
General SURGERY& Ent & ophthalmology SGS 421	√	√	√	√					
Removable Prosthodontics PROS 413	√	√	√	√		√			√
Removable Prosthodontics PROS 414			√	√		√			
Conservative Dentistry CONS 413	√					√			
Conservative Dentistry CONS 414	√					√			
Crown & Bridge PROS 423			√	√		√			
Crown & Bridge PROS 424			√	√		√			
Technology of Endodontics CONS 433	√	√	√						
Technology of Endodontics CONS 434	√	√	√						

Courses	Program ILOs								
	B1	B2	B3	B4	B5	B6	B7	B8	B9
Oral Surgery & anesthesia OMF 411		√	√	√		√			
Oral Surgery & anesthesia OMF 412		√	√	√	√	√	√	√	√
Oral Medicine & Periodontology MPDR 411	√				√				
Oral Medicine & Periodontology MPDR 412	√						√		
Oral Diagnosis & Radiology MPDR 431	√	√	√						
Oral Diagnosis & Radiology MPDR 432	√					√			
Endodontics CONS 534		√	√						
Endodontics CONS 535	√	√	√	√	√	√			
Conservative dentistry CONS 515	√	√	√	√					
Conservative dentistry CONS 516	√	√	√	√	√				
Crown and bridge PROS 525	√	√	√						
Crown and bridge PROS 526	√	√	√	√	√				
Removable prosthodontics PROS 515	√	√	√						
Removable prosthodontics PROS 516	√	√	√						
oral and maxillofacial surgery and anesthesia OMF 513	√	√							
oral and maxillofacial surgery and anesthesia OMF 514	√	√	√						
Oral Medicine & Periodontology MPDR 513	√						√		
Oral Medicine & Periodontology MPDR 514	√						√		
Pedodontics and public health ORP 511		√	√	√	√				
Pedodontics and public health ORP 512	√				√				
Dental ethics and forensic & report writing MPRD 541						√			
Dental ethics and forensic & report writing MPRD 542		√		√					
Laser applications MPDR 551	√	√	√	√					
Implantology OMF 541		√	√			√			

C- Professional and practical skills

Courses	Program ILOs								
	C1	C2	C3	C4	C5	C6	C7	C8	C9
General Physics SGS 111									
General Physics SGS 112									
Chemistry SGS 121		√							
Chemistry SGS 122		√							
Zoology SGS 141				√					
Zoology SGS 142				√					
Botany & Genetics SGS 131				√					
Botany & Genetics SGS 132				√		√			
General Anatomy SGS 271					√	√	√	√	√
General Anatomy SGS 272					√	√	√	√	√
General Histology SGS 251					√	√	√	√	√
General Physiology SGS 281	√	√	√	√					
General Physiology SGS 282			√	√					
Biochemistry SGS 261					√	√	√	√	√
Biochemistry SGS 262					√	√	√	√	√
Dental Anatomy & Physiology HPT 111					√	√	√	√	√
Dental Anatomy & Physiology HPT 112					√	√	√	√	√
Dental Biomaterials PROS 241					√				
Dental Biomaterials PROS 242					√				
Technology of Removable Prosthodontics PROS 311	√		√		√				
Technology of Removable Prosthodontics PROS 312	√	√							
Technology of conservative Dentistry CONS 311				√	√				
Technology of conservative Dentistry CONS 312				√	√				
Technology of Crown & Bridge PROS 321	√		√		√				
Technology of Crown & Bridge PROS 322	√		√		√				
Oral Histology HPT 221					√	√	√	√	
Oral Histology HPT 222					√	√	√	√	
General Pathology SGS 372				√					
General Pathology SGS 373				√					
General Microbiology SGS 391		√				√			
General Microbiology SGS 392		√				√			

Courses	Program ILOs								
	C1	C2	C3	C4	C5	C6	C7	C8	C9
Pharmacology SGS 301	√	√							
Pharmacology SGS 302	√	√							
Oral pathology HPT 331				√					
Oral pathology HPT 332				√					
Orthodontics ORP 431	√		√	√	√				√
Orthodontics ORP 432	√		√	√	√				√
General medicine & skin & venereal SGS 411	√	√	√						
General medicine & skin & venereal SGS 412	√		√	√					
General SURGERY& Ent & ophthalmology SGS 421	√	√							
General SURGERY& Ent & ophthalmology SGS 421	√	√	√	√	√	√	√		
Removable Prosthodontics PROS 413	√	√	√	√	√	√	√		√
Removable Prosthodontics PROS 414	√		√		√				
Conservative Dentistry CONS 413	√					√			
Conservative Dentistry CONS 414	√					√			
Crown & Bridge PROS 423	√		√		√				
Crown & Bridge PROS 424	√		√		√				
Technology of Endodontics CONS 433	√	√	√						
Technology of Endodontics CONS 434	√	√	√						
Oral Surgery & anesthesia OMF 411	√	√	√	√	√	√	√	√	√
Oral Surgery & anesthesia OMF 412	√	√	√	√	√	√	√	√	√
Oral Medicine & Periodontology MPDR 411	√						√		
Oral Medicine & Periodontology MPDR 412	√				√				
Oral Diagnosis& Radiology MPDR 431	√	√	√	√					
Oral Diagnosis& Radiology MPDR 432	√				√				
Endodontics CONS 534	√	√	√	√	√	√	√	√	
Endodontics CONS 535	√	√	√	√	√	√	√		
Conservative dentistry CONS 515	√	√							
Conservative dentistry CONS 516	√	√	√	√					
Crown and bridge PROS 525	√	√							
Crown and bridge PROS 526	√	√							

Courses	Program ILOs								
	C1	C2	C3	C4	C5	C6	C7	C8	C9
Removable prosthodontics PROS 515	√	√	√	√					
Removable prosthodontics PROS 516	√	√	√						
oral and maxillofacial surgery and anesthesia OMF 513	√			√	√				
oral and maxillofacial surgery and anesthesia OMF 514	√								
Oral Medicine & Periodontology MPDR 513	√					√			
Oral Medicine & Periodontology MPDR 514	√					√			
Pedodontics and public health ORP 511	√	√	√						
Pedodontics and public health ORP 512	√			√					
Dental ethics and forensic & report writing MPRD 541	√	√	√						
Dental ethics and forensic & report writing MPRD 542			√						
Laser applications MPDR 551	√	√							
Implantology OMF 541		√		√	√				

D- General and transferable skills

Courses	Program ILOs										
	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11
General Physics SGS 111	√	√	√								
General Physics SGS 112	√	√	√								
Chemistry SGS 121	√	√	√								
Chemistry SGS 122	√	√	√								
Zoology SGS 141	√	√									
Zoology SGS 142	√	√									
Botany & Genetics SGS 131	√										
Botany & Genetics SGS 132	√	√	√	√							
General Anatomy SGS 271					√		√				
General Anatomy SGS 272					√		√				
General Histology SGS 251					√		√				
General Physiology SGS 281	√	√									
General Physiology SGS 282			√	√	√				√		
Biochemistry SGS 261					√		√				
Biochemistry SGS 262					√		√				
Dental Anatomy & Physiology HPT 111					√		√				
Dental Anatomy & Physiology HPT 112					√		√				
Dental Biomaterials PROS 241				√							
Dental Biomaterials PROS 242				√							
Technology of Removable Prosthodontics PROS 311	√	√		√							
Technology of Removable Prosthodontics PROS 312	√	√									
Technology of conservative Dentistry CONS 311				√			√			√	
Technology of conservative Dentistry CONS 312				√			√			√	
Technology of		√	√	√	√						

Courses	Program ILOs										
	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11
Crown & Bridge PROS 321											
Technology of Crown & Bridge PROS 322				√		√	√				
Oral Histology HPT 221					√		√				
Oral Histology HPT 222					√		√				
General Pathology SGS 372	√	√									
General Pathology SGS 373	√	√									
General Microbiology SGS 391	√		√				√				
General Microbiology SGS 392	√		√				√				
Pharmacology SGS 301	√	√	√								
Pharmacology SGS 302	√	√	√								
Oral pathology HPT 331						√					
Oral pathology HPT 332						√					
Orthodontics ORP 431	√	√	√							√	
Orthodontics ORP 432	√	√	√							√	
General medicine & skin & venereal SGS 411	√		√		√						
General medicine & skin & venereal SGS 412	√		√		√						
General SURGERY & Ent & ophthalmology SGS 421	√	√	√	√	√						
General SURGERY & Ent & ophthalmology SGS 421	√	√	√	√							
Removable Prosthodontics PROS 413	√	√	√	√	√		√		√		
Removable Prosthodontics PROS 414		√	√	√							
Conservative Dentistry CONS 413	√	√	√								
Conservative Dentistry CONS 414	√	√	√								
Crown & Bridge PROS 423		√	√	√							
Crown & Bridge PROS 424		√	√	√							

Courses	Program ILOs										
	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11
Technology of Endodontics CONS 433	√	√	√	√							
Technology of Endodontics CONS 434	√	√	√	√							
Oral Surgery & anesthesia OMF 411			√						√		
Oral Surgery & anesthesia OMF 412	√	√	√								
Oral Medicine & Periodontology MPDR 411	√		√								
Oral Medicine & Periodontology MPDR 412	√		√								
Diagnosis& Radiology MPDR 431	√	√	√								
Diagnosis& Radiology MPDR 432	√	√									
Endodontics CONS 534	√	√	√								
Endodontics CONS 535	√	√									
Conservative dentistry CONS 515	√	√	√	√		√					
Conservative dentistry CONS 516	√	√	√	√							
Crown and bridge PROS 525	√	√									
Crown and bridge PROS 526	√	√	√								
prosthodontics PROS 515	√	√									
prosthodontics PROS 516	√	√									
oral and maxillofacial surgery and anesthesia OMF 513		√	√								
oral and maxillofacial surgery and anesthesia OMF 514	√	√	√	√							
Oral Medicine & Periodontology MPDR 513	√	√									
Oral Medicine & Periodontology MPDR 514	√	√									
Pedodontics and public health ORP 511	√	√	√								
Pedodontics and public health ORP 512	√			√							
Dental ethics and forensic & report writing MPRD 541	√	√									

Courses	Program ILOs										
	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11
Dental ethics and forensic & report writing MPRD 542	√	√									
Laser applications MPDR 551	√	√									
Implantology OMF 541			√						√		

Annex 5: Course specification

(University Requirements)

أولاً: المتطلبات الجامعية

(Compulsory Courses)

■ المتطلبات الإجبارية (8 ساعات معتمده)

رقم المقرر	اسم المقرر	عدد الساعات المعتمدة	المتطلب
ENG KET	لغة انجليزية 1 English Ket	2	
ENG PET	لغة انجليزية 2 English Pet	2	لغة انجليزية Ket
CSC 101	Introduction To مقدمة حاسب Computer	2	
PS 110	Human حقوق الانسان Rights	2	

(Elective Courses)

■ المتطلبات الإختيارية (4 ساعات معتمدة)

يختار الطالب مقررين من المقررات الآتية

رقم المقرر	اسم المقرر	عدد الساعات المعتمدة	المتطلب
PSY 101	Psychology علم نفس	2	
SOC 101	Sociology علم الإجتماع	2	
ENV 101	Science علوم بيئة	2	
MGT 100	Small Projects Management إدارة المشروعات الصغيره	2	
BSA 101	Business Administration إدارة أعمال	2	
SCT 101	Scientific Thinking التفكير العلمى ومناهج البحث	2	
CSC 102	computer Applications تطبيقات الحاسبات	2	

متطلبات الجامعة أختيارية ودرجاتها النهائية 100 درجة لكل مقرر .