



Dentistry

Table of Contents

Message from the Dean	1
Why study Dentistry in Sinai University	2
Program objectives	3
Program outcomes	3
Career opportunities	4
Facilities	4
Courses	7
Departments	15

Message from the Dean

I would like to take this opportunity to welcome you to Sinai University, Faculty of dentistry.

It has been said that the best way to imagine the future is to create it, I also believe in empowering people to help, share our destiny, steer us in the right direction, help and create our future.

We strive to comprehensively prepare you for an exciting, highly respected and rewarding career in dentistry.

We have appointed distinguished staff members who are committed to your education and your evolution to an ethical, empathetic, scientifically informed and clinically competent oral health care provider. Also we furnished highly equipped medical and dental laboratories as well as fully equipped dental clinics.

Again, welcome to Faculty of Dentistry, Sinai University. I hope you will involve yourself fully in all offered to you. Moreover, we have a common target in your preparation for a professional life, and in your successful contribution to the future wellbeing of the community.

Sincerely,

Prof. Mohamed AlYasaqy

Dean of the Faculty of Dentistry



Why study dentistry in Sinai University

Teaching at faculty of dentistry in Sinai university is strongly linked to the latest thinking in dentistry and related oral sciences which allowing students to having wide experience.

Sinai has a strategic location and charming nature

Campus allows the opportunity to meet and study with many other students of faculty of dentistry in Sinai University,



Program Objectives

- General objectives of the Faculty of Dentistry, Sinai University and its taught program; the graduate must be able to:
- Deliver independently oral health care services within the scope of general dentistry.
- Provide comprehensive practice management encompassing patient assessments and maintain patient's records in complete and accurate forms.
- Maintain a safe and infection-controlled environment.
- Realize the importance of lifelong learning and strive for continuous professional education.
- Provide ethical professional practice including compassion, empathy, integrity, responsibility and tolerance.
- Communicate effectively to develop a mature, sensitive and caring relationship with their patients.
- Recognize the various features of medico-legal aspects of the dental profession.
- Recognize the limitation of their current knowledge and clinical abilities and realize the need for proper referral.
- Evaluate and respond to ongoing dental technology.
- Respond to socio-economic aspects of different communities and engage effectively in community services.

Program Outcomes

Faculty of Dentistry in Sinai University (SU) awards the Bachelor Degree of Science in Dental Medicine and Surgery, BDS after successful completion of the approved study program.

Career Opportunities

The graduates may have career opportunities in the fields, which they studied

- Academic Research center.
- Private clinics.
- Ministry of Health.
- Faculties.

Facilities

The Faculty of Dentistry occupies the largest SU building and comprises lecture halls and offices of the dean, vice dean, faculty members, and junior staff on the first, second, third, and fourth floor. All the faculty clinics are climate-controlled and fully equipped with state-of-the-art projectors and radiology units.



Faculty of Dentistry Facilities Arish Campus

Facility	Number	Capacity	Total Capacity	Surface Area	Total Surface Area	Student Share
Hall	1	400	400	400	400	1
	1	250	250	302	302	1,2
Class	9	90	810	98	882	1,09
	2	60	120	96	192	1,6
Computer Labs	4	30	120	96	384	3,2
Specialized Labs	18	30	510	100	170	3,3
Medical Clinics	1	17	17	232	232	13,6
	1	31	31	400	400	12,9
	1	45	45	600	600	
	1	45	45	600	600	

Total Student Capacity

Facility	Number	Capacity (Students)
Hall	2	650
Class	15	1350
Computer Lab	2	60
Language Lab	1	30
Labs	17	510
Clinic	4	48
Total Capacity		2648

Level 1

Faculty of Dentistry Facilities Kantara Campus

Facility	Number	Capacity	Total Capacity	Capacity of Student
Hall	1	433	433	2033
	20	80	1600	
Seminar Rooms	2	28	56	56
Computer Labs	2	28	56	56
Specialized Labs	15	30	450	450
Medical Clinics	1	48	48	72
	1	24	24	



Courses



Semester (1)

Course code	Course title	Credit hours			Prerequisite	Examination marks *				Total Marks	Exam Time (hrs)
		L	p/t	Total		CW	P/T	F.E	Oral		
DES 1101	Inorganic and Physical Chemistry	1	2	2	None	30	20	50	-	100	2
DES 1102	Physics (1)	1	2	2	None	30	20	50	-	100	2
DEM 1103	General histology	1	2	2	None	30	20	50	-	100	2
DES 1203	Bioscience (1)	2	2	3	None	30	20	50	-	100	2
DEH 1101	Dental Anatomy and Oral Physiology (1)	2	2	3	None	50	30	40	-	100	2
SSE 1101	English (1)	2	-	2	None	50	-	50	-	100	2
SSG 1103	Sinai History	2	-	2	None	50	-	50	-	100	2
SSG01	Scientific Thinking	2	-	2	None	50	-	50	-	100	1
TOTAL				18							

L= lecture, P/T= practical / tutorial, CW = Course work, F.E. = Final exam

Semester (2)

Course code	Course title	Credit hours			Prerequisite	Examination marks *				Total Marks	Exam Time (hrs)
		L	p/t	Total		CW	P/T	F.E	Oral		
DES 1201	Organic chemistry	1	2	2	DES 1101	30	20	50	-	100	2
DES 1202	Physics (2)	1	2	2	DES 1102	30	20	50	-	100	2
DES 1203	Bioscience(2)	2	2	3	DES 1103	30	20	50	-	100	2
DEH 1201	Dental Anatomy and Oral physiology (2)	2	2	3	DEH 1101	30	30	40	-	100	2
SSE 1202	English (2)	2	-	2	SSE 101	50	-	50	-	100	2
ENC 1201	Introduction to computer science	1	2	2	None	50	20	50	-	100	2
SSG 2202	Human Rights	1	-	1	None	50	-	25	-	50	1
TOTAL				15							

L= lecture, P/T= practical / tutorial, CW = Course work, F.E. = Final exam

Level 2

Semester (1)

Course code	Course title	Credit hours			Prerequisite	Examination marks *				Total Marks	Exam Time (hrs)
		L	p/t	Total		CW	P/T	F.E	Oral		
DEM 2101	Biochemistry (1)	1	2	2	DES 1201	30	20	40	10	100	3
DEM 2104	Human anatomy (1)	1	2	2	None	30	20	40	10	100	2
DEM 2102	Physiology (1)	1	2	2	None	30	20	40	10	100	2
DEM 2107	Microbiology and immunology (1)	1	2	2	None	30	30	40	10	100	2
DEB 2101	Biomaterials (1)	2	2	3	DES 1202	30	20	40	10	100	2
DEH 2102	Oral biology (1)	2	2	3	DEH 1201	30	20	40	10	100	2
DEM 2105	General Pathology (1)	1	-	2	DEM 1103	30	20	40	10	100	2
DED 2103	Dental Ethics	1	-	1	None	25	-	25	-	50	2
TOTAL				17							

L= lecture, P/T= practical / tutorial, CW = Course work, F.E. = Final exam

Semester (2)

Course code	Course title	Credit hours			Prerequisite	Examination marks *				Total Marks	Exam Time (hrs)
		L	p/t	Total		CW	P/T	F.E	Oral		
DEM 2201	Biochemistry (2)	1	2	2	DEM 2101	30	20	40	10	100	3
DEM 2204	Human anatomy (2)	2	2	2	DEM 2104	30	20	40	10	100	2
DEM 2202	Physiology (2)	1	2	2	DEM 2102	30	20	40	10	100	2
DEM 2207	Microbiology and immunology (2)	1	2	2	DEM 2107	30	30	40	10	100	2
DEB 2202	Biomaterials (2)	2	2	3	DEB 2101	30	20	40	10	100	2
DEH 2202	Oral biology (2)	2	2	3	DEH 2102	30	30	30	10	100	2
DEM 2205	General Pathology (12)	1	2	2	DEM 2105	30	20	40	10	100	2
TOTAL				17							

L= lecture, P/T= practical / tutorial, CW = Course work, F.E. = Final exam

Level 3

Semester (1)

Course code	Course title	Credit hours			Prerequisite	Examination marks *				Total Marks	Exam Time (hrs)
		L	p/t	Total		CW	P/T	F.E	Oral		
DER 3101	Technology of operative (1)	1	4	3	DEB 2202	30	30	30	10	100	3
DEP 3101	Technology of Removable prosthodontics (1)	1	4	3	DEB 2202	30	30	30	10	100	2
DEP 3102	Technology of fixed prosthodontics (1)	1	4	3	DEB 2202	30	30	30	10	100	2
DEM 3106	Pharmacology (1)	1	2	2	DEM 2201	30	20	40	10	100	2
DEH 3103	Oral pathology (1)	2	2	3	DEH 2202	30	20	40	10	100	2
SSG E02	Introduction to psychology	2	-	2	None	50	-	50	-	100	2
TOTAL				16							

L= lecture, P/T= practical / tutorial, CW = Course work, F.E. = Final exam

Semester (2)

Course code	Course title	Credit hours			Prerequisite	Examination marks *				Total Marks	Exam Time (hrs)
		L	p/t	Total		CW	P/T	F.E	Oral		
DER 3201	Technology of operative (2)	1	4	3	DER 3101	30	30	30	10	100	2
DEP 3201	Technology of Removable prosthodontics (2)	1	4	3	DEP 3101	30	30	30	10	100	2
DEP 3202	Technology of fixed prosthodontics (2)	1	4	3	DEP 3102	30	30	30	10	100	2
DEM 3206	Pharmacology (2)	1	2	2	DEM 3106	30	20	40	10	100	2
DEH 3203	Oral pathology (2)	2	2	3	DEH 3103	30	20	40	10	100	2
SSG E02	Introduction to business administration	2	-	2	None	50	-	50	-	100	2
TOTAL				16							

L= lecture, P/T= practical / tutorial, CW = Course work, F.E. = Final exam

Level 4

Semester (1)

Course code	Course title	Credit hours			Prerequisite	Examination marks *				Total Marks	Exam Time (hrs)
		L	p/t	Total		CW	P/T	F.E	Oral		
DER 4102	Technology of endodontic (1)	1	2	2	DER 3201	30	30	30	10	100	2
DEM 4108	Internal medicine & dermatology (1)	2	2	3	DEM 2205	30	30	40	10	100	2
DER 4101	Clinical operative dentistry (1)	1	2	2	DER 3201	30	30	30	10	100	2
DEP 4101	Clinical removable prosthodontics (1)	1	2	2	DEP 3201	30	30	30	10	100	2
DEP 4102	Clinical fixed prosthodontics (1)	1	2	2	DEP 3202	30	30	30	10	100	2
DEO 4101	Oral & maxillofacial surgery (1)	1	2	2	DEH 3203	30	30	30	10	100	2
DED 4101	Oral medicine & periodontics (1)	2	2	3	DEH 3203	30	30	30	10	100	2
DED 4102	Diagnostic sciences & Oral maxillofacial radiology (1)	2	2	3	DEH 3203	30	30	30	10	100	2
DET 4101	Orthodontics & dentofacial orthopedics (1)	1	2	2	None	30	30	30	10	100	2
DEM 4109	General surgery (1) ENT & Ophthalmology	2	2	3	DEM 2205	30	20	40	10	100	2
TOTAL				24							

L= lecture, P/T= practical / tutorial, CW = Course work, F.E. = Final exam



Semester (2)

Course code	Course title	Credit hours			Prerequisite	Examination marks *				Total Marks	Exam Time (hrs)
		L	p/t	Total		CW	P/T	F.E	Oral		
DER 4202	Technology of endodontic (2)	1	2	2	DER 4201	30	30	30	10	100	2
DEM 4208	Internal medicine & dermatology (2)	2	2	3	DEM 4108	30	30	40	10	100	2
DER 4201	Clinical operative dentistry (2)	1	2	2	DER 4101	30	30	30	10	100	2
DEP 4201	Clinical removable prosthodontics (2)	1	2	2	DEP 4101	30	30	30	10	100	2
DEP 4202	Clinical fixed prosthodontics (2)	1	2	2	DEP 4102	30	30	30	10	100	2
DEO 4201	Oral & maxillofacial surgery (2)	1	2	2	DEO 4101	30	30	30	10	100	2
DED 4201	Oral medicine & periodontics (2)	2	2	3	DED 4101	30	30	30	10	100	2
DED 4202	Diagnostic sciences & Oral maxillofacial radiology (2)	2	2	3	DED 4102	30	30	30	10	100	2
DET 4201	Orthodontics & dentofacial orthopedics (2)	1	2	2	DET 4101	30	30	30	10	100	2
DEM 4209	General surgery (2) ENT & Ophthalmology	2	2	3	DEM 4109	30	20	40	10	100	2
TOTAL				24							

N.B: Practical sessions are continuous through August. This summer training is Optional.

* Twenty marks are devoted to the dermatology and venereal diseases and ophthalmology and ENT courses. Their examinations are held as written examination only in conjunction with the general medicine and general surgery exams respectively.

Level 5

Semester (1)

Course code	Course title	Credit hours			Prerequisite	Examination marks *				Total Marks	Exam Time (hrs)
		L	p/t	Total		CW	P/T	F.E	Oral		
DER 5101	Clinical operative dentistry (3)	1	4	3	DER 4201	30	30	30	10	100	2
DER 5102	Clinical endodontic (1)	1	2	2	DER 4202	30	30	30	10	100	2
DEP 5101	Clinical removable prosthodontics (3)	1	4	3	DEP 4201	30	30	30	10	100	2
DEP 5102	Clinical fixex prosthodontics (3)	1	4	3	DEP 4202	30	30	30	10	100	2
DEO 5101	Oral & Maxillofacial Surgery (3)	2	2	3	DEO 4201	30	30	30	10	100	2
DED 5101	Oral Medicine & Periodontics (3)	2	2	3	DED 4201	30	30	30	10	100	2
DEE 5101	Pediatric Dentistry, public Health & community dentistry (1)	2	2	3	DET 4201	30	30	30	10	100	2
DED 5104	Laser application	1	-	1	DED 4202	25	-	-	10	50	2
TOTAL				21							

L= lecture, P/T= practical / tutorial, CW = Course work, F.E. = Final exam

Semester (2)

Course code	Course title	Credit hours			Prerequisite	Examination marks *				Total Marks	Exam Time (hrs)
		L	p/t	Total		CW	P/T	F.E	Oral		
DER 5201	Clinical operative dentistry (4)	1	4	3	DER 5201	30	30	30	10	100	2
DER 5202	Clinical endodontic (2)	1	2	2	DER 5102	30	30	30	10	100	2
DEP 5201	Clinical removable prosthodontics (4)	1	4	3	DEP 5101	30	30	30	10	100	2
DEP 5202	Clinical fixex prosthodontics (4)	1	4	3	DEP 5102	30	30	30	10	100	2
DEO 5201	Oral & Maxillofacial Surgery (4)	2	2	3	DEO 5101	30	30	30	10	100	2
DED 5201	Oral Medicine & Periodontics (4)	2	2	3	DED 5101	30	30	30	10	100	2
DEE 5201	Pediatric Dentistry, public Health & community dentistry (2)	2	2	3	DEE 5101	30	30	30	10	100	2
DED 5203	Surgical & Prosthetic Implantology	1	-	1	DEO 5101	25	-	25	-	50	2
TOTAL				21							

L= lecture, P/T= practical / tutorial, CW = Course work, F.E. = Final exam

Departments:

1-Oral Biology and Pathology Department

Dental Anatomy & Oral Biology:

This course provides the student with the basic terminology and facts of dental anatomy. It is designed to help them mastering individual tooth morphology of human deciduous and permanent teeth. It also correlates dental anatomy with physiology. In addition, it provides a wide spectra concerning the arrangement of teeth and occlusion. The dental student must realize that normal occlusion of the teeth in his patients is the ultimate goal of dental practitioner. The study of dental anatomy and physiology furnishes the key to treatment plans in dental maintenance and restoration. Any dental treatment; general or specialized, requires an ultimate detailed knowledge of dental anatomy and physiology. Thereby curriculum is designed to correlate the physiologic tooth form of the teeth with the health of the periodontium. It comprises the study of the fundamentals and preventive curvatures along with the arrangement of teeth in the dental arches and their relation to each other.

Oral Pathology:

It deals with the diseases of the oral cavity and maxillo-facial region. Upon the completion of the course, the student will be able to recognize abnormalities of the oral cavity and the surrounding tissues, to create a list of diseases that may present as a differential diagnosis, and to be able to interpret diagnostic histo-pathological slides, hence it is often impossible to determine the nature of abnormalities by their clinical appearance.

2- Prosthodontics Department

Removable Prosthodontics:

This course is designed to familiarize the students with instruments, materials and laboratory procedures and techniques used to gain experience in the fabrication of maxillary and mandibular complete

dentures. The laboratory and clinical procedures will be taught and their interdependence stressed. The students will study the partial denture components and principles of partial denture design. They will do all the necessary steps for fabrication of chromium-cobalt metallic framework as well as acrylic partial dentures.

This course aims at teaching the dental student a combination of theoretical and clinical knowledge that could be applied to successfully construct complete and partial dentures which fulfills function, aesthetic and psychological requirements. Clinical outline deals with sequential steps for construction of complete and partial dentures. Steps covered in this course are diagnosis, treatment planning, impression making, recording jaw relation, try in and denture insertion Fixed Prosthodontics:

To provide the students with the basics of different principles of tooth preparation, to recognize and to use the different cutting tools and to understand the different

technical steps employed in the construction of the various types of restorations. The students will be trained to do proper diagnosis and treatment plan, to practice the clinical application of fundamentals of fixed prosthodontics to prepare teeth as sound foundation for fixed restorations.

3- Restorative Dentistry Department

The primary objectives is to provide the students with the basic principles, techniques and rationale of operative procedures, instruments, restoratives and their applications to train the students for situations similar to the clinic set-up, and to help them build up their skill and manual dexterity.

The students will be provided with the basic clinical principles, step-by-step procedure on patient reception and management in different operating positions, to control pain and infection, avoidance of occupational hazards, and how to select the restorative of choice technique to be used and how to avoid their biological influences.



Endodontics

The students will be provided with the proper macroscopic anatomy of the pulp complex, how to avoid various errors during access cavity preparation, how to use and to maintain endodontic tools, and how to obturate the pulp space using the various endodontic techniques relative to the various materials.

By the end of the course, the students will have the knowledge and systemic understanding for proper diagnosis, case selection, treatment plan, modern diagnostic tools, pulp and periapical immunology and periapical pathosis, field isolation, prevent and treat the causes of tooth discoloration, be updated with recent technology and to acquire skill and ethical behavior.

4- Oral and Maxillofacial Surgery Department

To prepare the student to recognize & to be familiarized with the anatomical consideration & innervations of the facial region, the neurophysiology of pain, pain pathway & pain control, as well as the mode of action of the local anesthetics to control pain, pharmacology of the anesthetic drugs, infection control & protection with special emphasis on how to deal with a viral carrier patients, to familiarize the students with the various anesthetic techniques in the dental practice plus the management of patients receiving local anesthesia. The student should have developed the basic skills of exodontia to diagnose and manage the common post-operative complications, as well as to have an understanding to the basic principles of trans-alveolar extraction (the surgical phase). It is important for each student to recognize the complex surgical problems (surgical extraction of teeth, remaining roots & impacted teeth as well). in treatment of maxillo-facial trauma,



infection, its spread and control, cysts of the jaws, congenital deformities and how to manage the minor oral surgical procedures related to the various oral pathological conditions encountered in the maxillo-facial region, such as salivary glands disorders, oro-facial pain and T.M.J. disorders, general principles of management of fractures.

5- Orthodontics and Dentofacial Orthopedics

This course is directed towards providing the dental student with the knowledge and skills necessary to recognize an established or developing malocclusion and to institute preventive and therapeutic treatment plans within the scope of general dental practice.

6- Pediatric Dentistry Department

It provides the guidance of the primary dentition in growth and development, the prevention and treatment of pathological oral conditions which may occur during childhood. In addition, the development of occlusion, preventive orthodontics, space maintainers, restorative orthodontics, restorative dentistry, pulp therapy, traumatic inquiries, gingival diseases, dental health education, fluorides, pit and fissure sealants will be studied.

7- Oral Medicine, Periodontics, Diagnostic Sciences and Oral Maxillofacial Radiology Department

It is organized to provide the students with the fundamental principles of oral diseases and pathological mechanisms, in order to manage various oral lesions properly, disease classifications, clinical signs, symptoms, diagnostic tests and therapeutic goals are presented. Physical signs of systemic disease of dental interest are considered to provide the students with the essentials of assessment and management of medically compromised patient.

It deals with the fundamentals of periodontal problems, and the clinical phenomena in terms of underlying

tissue changes and biological nature of periodontal response. Once this aspect is mastered the students are introduced to the diagnostic criteria of periodontal disease and possible prognostic factors, which may judge the outcome of treatment. Non-surgical approach for management of periodontal disease and the wide array of pharmacological therapeutic modalities are included in the course. In addition, various surgical techniques for regenerative and cosmetic purposes are illustrated. Comprehensive rationale for periodontal treatment is applied in clinical sessions.

It includes the basic principles of patient interview, the fundamentals of physical examination and recognition of oral disease. Principles of biomedicine and interdisciplinary course are through in conjunction with the department of oral pathology, introduces the student to oral diagnosis though didactic presentations concerning patient interview, clinical examination, oral radiology and treatment planning.

8- Laser Applications

It includes the following:

Scientific Background Of Lasers
Classifications Of Lasers
Medical And Dental Lasers
Applications Of Lasers In Dentistry

9- Dental Biomaterials Department

The primary objective of this course is to present the basic properties of each material, . .to train students to identify materials properties, and to present applied examples for the dental significances of each property, either physical, rheological, mechanical, electrical, optical, surface phenomena and adhesion or tarnish and corrosion.

10- Supplementary General Sciences (DES)

- Chemistry
- Physics
- Biocience

11- Supplementary Medical Sciences (DEM) - Biochemistry

- Physiology
- General Histology
- Human Anatomy
- General Pathology
- Pharmacology
- Microbiology and Immunology
- Internal Medicine
- General Surgery

Training Opportunities

At the end of undergraduate studies the students have the chance for training on all clinical departments in intern training programs in the faculty and ministry of health hospitals under the supervisions of faculty staff members.

SU ARISH
SINAI UNIVERSITY

**YOUR LIFE...
YOUR DECISION**

SU ARISH

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