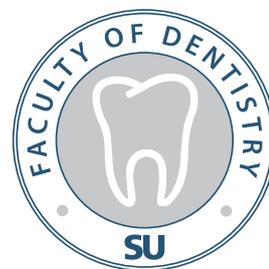


**FACULTY OF
DENTISTRY**



Student Academic Guide 2023-2024

SU KANTARA
SINAI UNIVERSITY



19050

[f](#) [in](#) [t](#) [sinaiunieg](#)
info@su.edu.eg
www.su.edu.eg

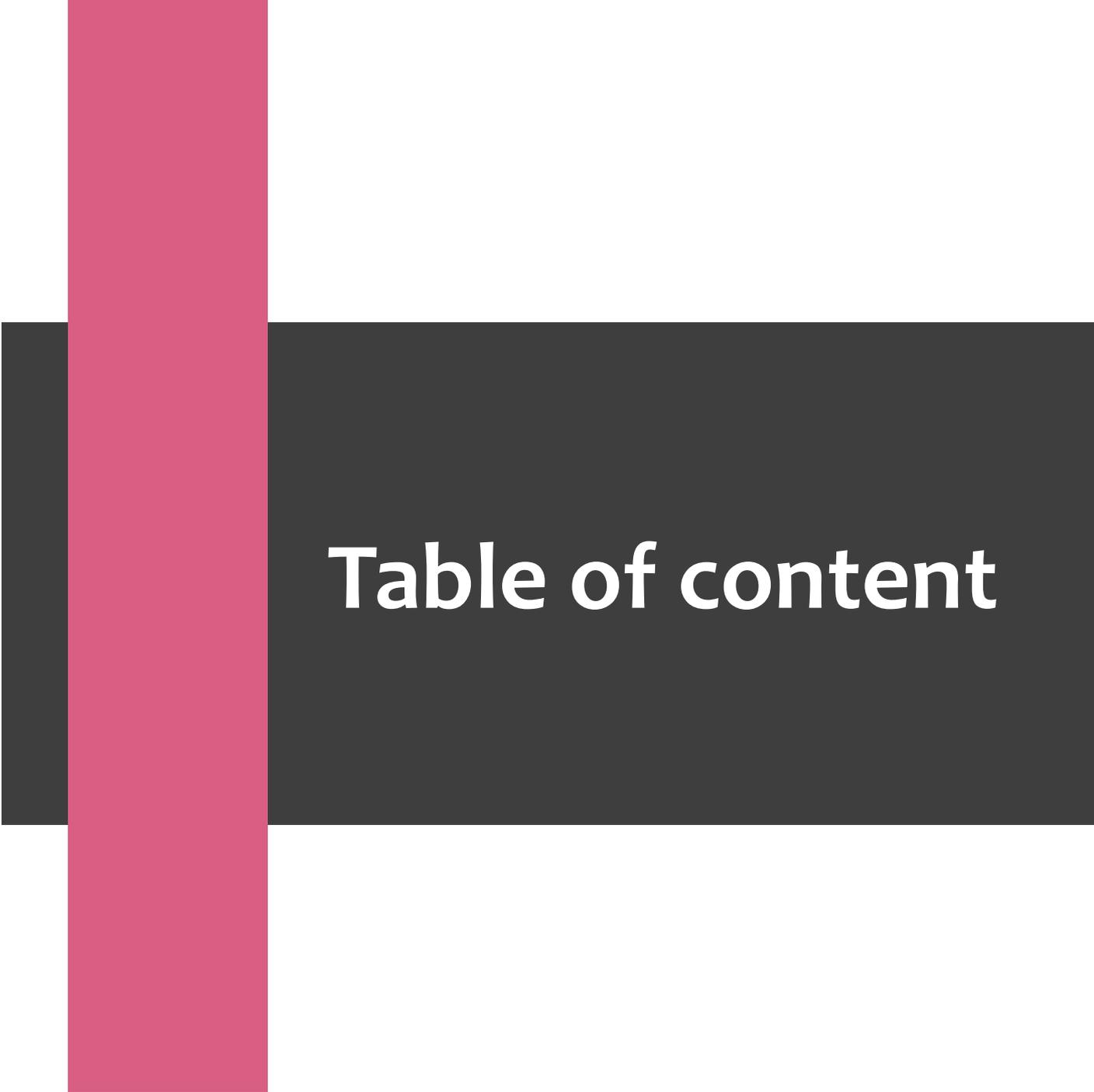


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DEAN'S MESSAGE



Dear Students,

I am delighted to welcome you all to the new academic year at our esteemed Faculty of Dentistry. We are proud to have you join our college community and consider you an integral part of it.

Please let me express how pleased we are to have you enroll with us. The college will spare no effort in helping you achieve your academic aspirations through the support of our distinguished faculty and staff. They will be your best guides to excel in your studies, receive guidance, and be directed towards becoming future Dentists for this cherished nation.

The college is committed to raising your scientific caliber in preparing qualified cadres that meet societal and job market needs, foster development, and find scientific solutions to societal problems.

I wish you all a successful academic life filled with challenge, perseverance, and excellence to shoulder responsibility and contribute to the progress of our society and the advancement of our beloved Egypt.

Sincerely,

Prof. Randa Hafez

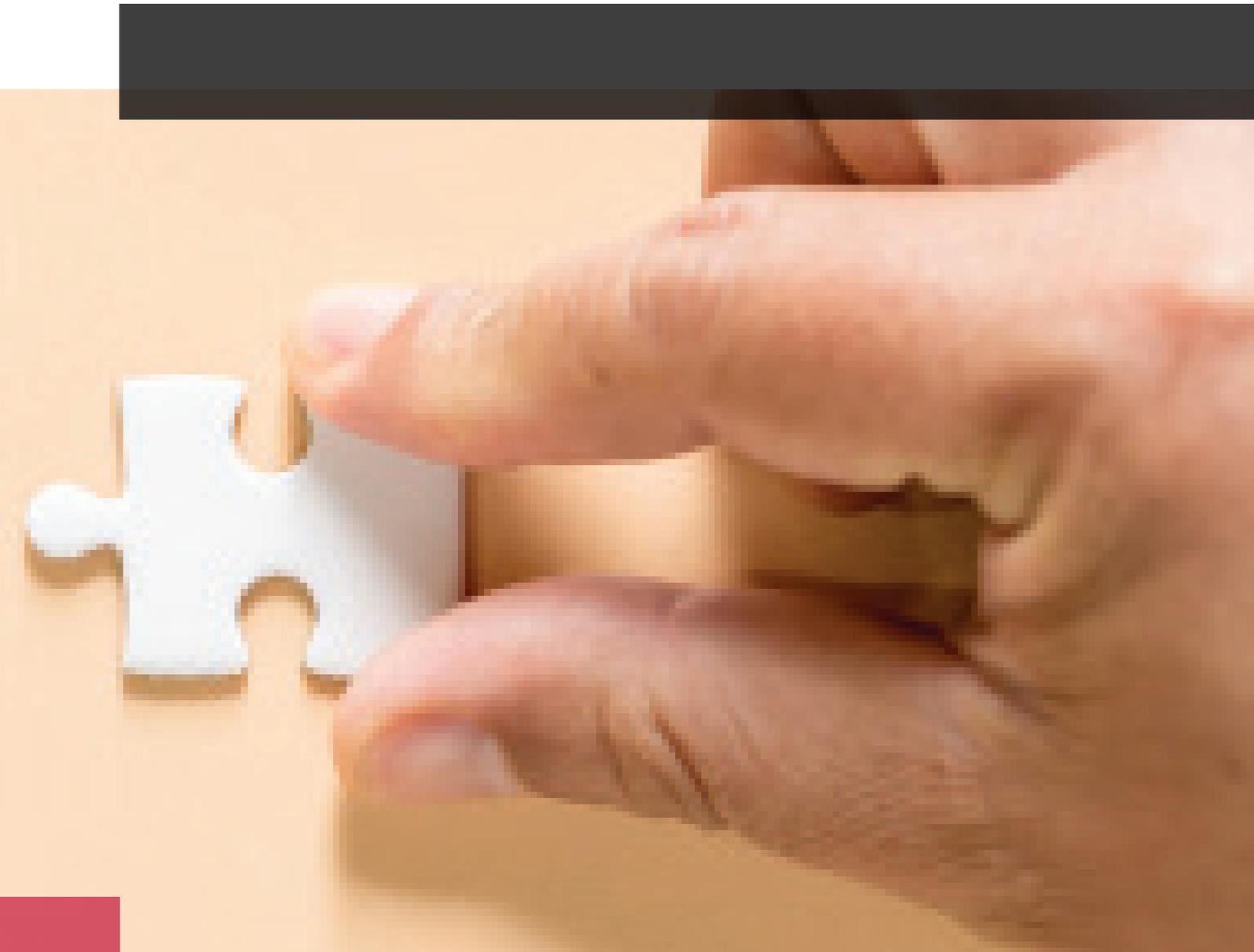
Dean of the Faculty of Dentistry





VISION

To be an academically accredited faculty and pioneer in the field of dentistry, scientifically as well as research, and community wise at the national and regional levels.



MISSION

The faculty of dentistry – Sinai University is committed to graduating dentists in accordance with the national academic reference standards who can compete in the national and regional local market, perform innovative scientific research within the frame of the ethical and professional values, and provide excellent communal services.

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:
- Accept the ethical professional responsibility for effective and safe care of patient
- Appreciate the need for continual profession.
- Utilize the advance in relevant knowledge and techniques to provide comprehensive practice management.
- Recognize the role of patient in decision making by effective communication
- Recognize the social cultural and environmental factors which contribute to health or illness, and prevalence and how managing patients from different social and ethnic background.
- Recognize the legal, ethical obligation of registered dental practitioners, and the regulatory functions of the Egyptian Dental syndicate
- Provide oral health care surfaces within the scope of general dentistry.
- 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.

الهيكل التنظيمي لكلية طب أسنان جامعة سيناء - فرع القنطرة



Program Outcomes

a- Knowledge and Understanding:

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

- a1. Recognize the principles of physics, chemistry, basic science, anatomy, physiology and biomedical science relevant to dentistry.
- a2. Identify principles of pathogenic mechanism and manifestation of human disease which are of dental significance.
- a3. Outline the complex interactions between oral health, nutrition, general health, drug and diseases that can have an impact on dental care and diseases.
- a4. Describe the principles of management of emergency care.
- a5. Discuss the scientific principles of sterilization, disinfection and antisepsis.
- a6. Outline the safe work with radiation, surgical and dental practices.
- a7. Outline the basic aspects of general medicine and surgery.
- a8. Identify the basis of endodontic practice management.
- a9. Identify the basis of orthodontic practice management.
- a10. Identify the basis of disease prevention practice management.
- a11. Identify the basis of oral surgery practice management.
- a12. Identify the basis of operative dentistry practice management.
- a13. Identify the basis of fixed prosthodontics practice management.
- a14. Identify the basis of removable prosthodontics practice management.
- a15. Identify the basis of pedodontics practice management.
- a16. Identify the basis of oral radiology practice management.
- a17. Identify the basis of periodontology practice management.
- a18. Describe the biomaterials, types, uses, biological responses, and their limitations.
- a19. Recognize principles of evidence based practice in dentistry, and its relation to scientific research.
- a20. Discuss the basic principles of language, behavioral and social sciences besides regulatory affairs, dental laws and ethics of health care and dental profession.
- a21. Recognize the social and psychological issues relevant to dental care with emphasis on behavioral management.

b- Professional & Practical:

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

- b1. Establish a comprehensive patient's history.
- b2. Perform clinical examination.
- b3. Request and evaluate appropriate investigations.
- b4. Review the body systems and consult with other health care professionals, when required.
- b5. Detect abnormal and pathological conditions, as well as the etiology.
- b6. Detect risk factors that may contribute to disease process.
- b7. Perform a range of clinical procedures which are within the scope of general dentistry.
- b8. Apply preventive procedures.
- b9. Apply different local anesthetic techniques.
- b10. Perform Extraction of teeth and removal of roots when necessary.
- b11. Diagnose of commonly encountered oral lesions.
- b12. Perform the necessary radiographs
- b13. Perform of non-surgical periodontal treatment and monitor treatment
- b14. Perform Restorations of carious and non-carious tooth defects with emphasis on basic concepts of esthetics.
- b15. Perform Basic endodontic procedures.
- b16. Perform Rehabilitation of partially and completely edentulous patients
- b17. Diagnose and preventive of developing malocclusions.
- b18. Apply current infection control guidelines.
- b19. Control different levels of patient's anxiety and apprehension in different age group.
- b20. Manage dental and medical emergencies which may occur in dental practice and perform basic life support measures.
- b21. Prescribe and monitor the effects of appropriate pharmaceutical agents taking into consideration drug and patient factors.

c- Intellectual skills:

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

- c1. Appraise the physical finding of the diseases on the bases of integration of basic science, biomedical and behavioral science.
- c2. Differentiate between normal and abnormal features that are particularly relevant to dental practice.
- c3. Generate a list of potential patient clinical problems.
- c4. Prioritize a list of potential patient clinical problems.
- c5. Analyze collected diagnostic data to solve clinical problems based on current evidence.
- c6. Integrate collected diagnostic data to solve clinical problems based on current evidence.
- c7. Design appropriate diagnostic and treatment plans for different dental problems.
- c8. Evaluate the effects of medications taken by the patient on dental management.
- c9. Solve clinical problems related to dental practice by intellectual rigor and analytical thinking.

d- General and transferable skills:

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

- d1. Improve language, presentation and self-expression skills.
- d2. Retrieve and evaluate information from different resources.
- d3. Implement professional responsibility towards the community.
- d4. Demonstrate clear verbal and written communication.
- d5. Work effectively within a team in a limited time frame.
- d6. Practice self-evaluation and criticism.
- d7. Implement the basic concepts of quality assurance and practice management.
- d8. Implement critical thinking and problem solving skills.
- d9. Adopt legal, ethical and professional rules.
- d10. Practice self-learning for continuous improvement of professional knowledge.
- d11. Improve social tolerance and ethical commitment.

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



-Total Student Capacity

Facility	Number	Capacity (Students)
Hall	36	5355
Class	26	801
Computer Lab	5	100
Language Lab	1	22
Labs	15	450
Clinic	5	179
Total Capacity		6.907

-Faculty of Dentistry Facilities Kantara Campus

Facility	Number	Capacity	Total Capacity	Capacity of Student
Hall	1	425	425	5355
	2	220	440	
	16	160	2560	
	2	130	260	
	6	120	720	
	7	110	770	
	2	90	180	
Class Room	23	27	621	801
	3	60	180	
Seminar Rooms	2	27	54	54
Computer Labs	5	20	100	100
Specialized Labs	15	30	450	450
Dummy Head Lab	2	30	60	60
Simulator Lab	2	31	62	62
Medical Clinics	1	14	14	179
	1	16	16	
	1	45	45	
	1	49	49	
	1	55	55	

Library



Dorms



Playground



Food Court



Transportation



Internal Regulations for Bachelor's Degree Faculty of Dentistry, Sinai University, El-Qantara (Credit Hour System)

2- The Faculty Departments:

(1) Oral Biology and Pathology Department (DEH) comprising:

- Dental Anatomy and Oral Physiology.
- Oral Biology.
- Oral Pathology

(2) Prosthodontics Department (DEP) comprising:

- Removable Prosthodontics. (Complete and Partial Dentures)
- Fixed Prosthodontics (Crowns and Bridges)
- Maxillofacial Prosthodontics

(3) Restorative Dentistry Department (DER) comprising:

- Operative Dentistry
- Endodontic

(4) Oral and Maxillofacial Surgery Department (DEO) comprising:

- Oral and Maxillofacial Surgery
- Local and General Anesthesia
- Surgical and Prosthetic Implantology

(5) Orthodontics and Dentofacial Orthopedics (DET)

(6) Pediatric Dentistry Department (DEE) comprising:

- Pediatric Dentistry
- Public Health and Community Dentistry

(7) Oral Medicine, Periodontics, Diagnostic Sciences and Oral Maxillofacial Radiology Department (DED) comprising:

- Oral Medicine
- Periodontics
- Diagnostic Sciences
- Oral Maxillofacial Radiology
- Dental Ethics
- Laser Applications

(8) Dental Biomaterials (DEB)

*** Supplementary General Sciences (DES)**

- Chemistry
- Physics
- Bioscience

*** Supplementary Medical Sciences (DEM)**

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

Level Codes:

Level (one) [First year (Preparatory or Fundamental Stage)] comprising two semesters.

Level (two) and Level (three) [Second and Third year (Preclinical Stage)] comprising two years (four semesters).

Level (four) and Level (five) [Fourth and Fifth year (Clinical Stage)] comprising two years (four semesters).

3. Degree Awarded

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

N.B.: The Internship Training year is compulsory before the B.D.S awarding.

4. Admission Policy

Sinai University complies with the Egyptian Supreme Council of universities (ESCU) and Private University Council of the Ministry of Higher Education. However, new applicants may have to pass an admission test. According to the result of the admission test, a maximum of three non-credit courses may be required by SU before getting enrolled in study.

Sinai University admits undergraduate students mainly once a year, in the fall semester. Based on availability of places a second admission may be allowed for the spring semester. Applications must apply for admission before the declared deadline, which can be obtained from the university admissions office.

4.1. Transfer Admission Rules

The faculty from which the student is to be transferred should be accredited by Egyptian Supreme Council of Universities (ESCU).

Transfer students from other Egyptian or foreign universities must fulfill all Sinai University Faculty of Dentistry admission requirements.

Courses completed at another faculty are evaluated for equivalency to SU Faculty of Dentistry courses before being exempted.

The transferred student must study at least 60% of the syllabus of the Faculty of Dentistry program in SU.

4.2. Admission of Post-Baccalaureate Students

Graduates from the Faculty of Medicine are admitted on space available basis within two years from graduation at least.

Graduates from the Faculties Pharmacy, Science and other faculties are admitted on space available basis in the first year and considered as new student.

Course completed at another faculty are evaluated for equivalency to Sinai University Faculty of Dentistry.

Student must study at least 50% of the syllabus of the Bachelor in Oral and Dental Medicine Degree in Sinai University.

4.3. Readmission:

Students, who withdraw from the university in good standing and subsequently wish to return after an absence of one or more semesters, may apply for readmission. Readmission is offered on a space – available basis and is not guaranteed.

5. Program Structure

The Bachelor degree program is a 5 year full-time extended undergraduate degree. The program includes a group of compulsory courses and a group of elective courses which cover the university and the faculty requirements. The program is structured into two semesters each year, each semester made up of 15 weeks. An optional 7-week summer semester intensive program is also offered.

The Faculty of Faculty of Dentistry implements the credit hour system. A credit hour represents an hour of lectures (L) or two/three hours of practical or tutorial (P/T) classes a week for a period of 15 weeks.

6. Course Registration

At the beginning of each semester, students select the courses from the list of the offered courses. Academic advisers are available to offer advice and guidance during the registration of courses. Selection of courses for any given year is conditional on the successful completion of the prerequisite courses of the preceding academic year. Students are allowed to add or drop a course or more during a specified time every semester.

N.B.: The student must register personally at the prescribed time according to the university calendar. Registration must be fully completed before a student attends any class.

6.1. Course Load

The Course load is the number of registered credit hours per student each semester. The academic load in each semester ranges from 12 to 20 credit hours. The academic load in the summer semester is not more than 9 credit hours. Credits acquired by the student are those of passed courses from the registered academic load. Permission of the Vice President of Students' Affairs and the Faculty Dean must be taken if the number of credit hours is either lower or higher than the range indicated.

6.2. Add, Drop and Withdrawal

Students are allowed to add or drop a course or more during a specified time every semester. Students are allowed to withdraw from a course prior to a deadline set by the university. The course will carry a grade of "W" and students will be allowed to retake the course when available. Students who withdraw after the deadline will not be allowed to sit for the relevant exam and will carry a grade of "F" for that course.

Students are allowed to add or drop or to withdraw from a course or more as long as the workload remains within the permissible load limits.

6.3. Late Registration

Students are allowed to register a week after the registration deadline with the permission of the Vice President of Students' Affairs and the college Dean. An acceptable reason is needed for the approval of the registration.

7. Attendance

Students are expected to attend the university on a full-time basis during each semester. Attendance is checked during lectures, seminars, tutorials and labs. Students must attend at least 75% of the lectures, tutorials and practical labs. If absence in a course exceeds the allowed percentage (25%) during the first ten weeks of the semester (either excused or unexcused), the student will not be allowed to sit for the exam of the relevant subject and will carry grade of “F”.

8. Language of instruction

English is the official language of instruction; all communication, lectures, coursework, and documentation are performed using the English language. Some courses can be thought in Arabic on the recommendation of the relevant department and the agreement of the faculty and university council.

9. Assessment

The assessment measures the outcome of students’ learning in terms of knowledge acquired, understanding developed, and skills gained. Each course is assessed individually upon its completion. Methods of assessment include written, oral and practical examinations, research papers, course assignments and practical work.

9.1. Grading Scheme:

Grades are a measure of the performance of a student in an individual course.

Grade	Definition	Percentage (%)	Points
A+	Excellent	95-100%	4
A		90-94.99%	4
A-		85 – 89.99%	3.7
B+	Very Good	80 - 84.99%	3.3
B		75 – 79.99%	3
C+	Good	70 - 74.99%	2.7
C		65 – 69.99%	2.4
D	Satisfactory	60 – 64.99%	2
F	Fail	<60%	0

Grade Point Average (GPA)

The grade point average is calculated by multiplying the grade value (Points) by the number of credit hours the course represents, the result is called quality points. The total quality points are then divided by the total undertaken credit hours.

Repeated courses will be counted once toward the calculation of accumulated credit hours. The best achieved GPA will be used for calculating GPA.

The cumulative GPA (CGPA) is a calculation of average of all of student's grades for all semesters and courses completed up to a given academic term where GPA may only refer to one term. The cumulative GPA calculation starts from the first semester for each student and updated each semester till his graduation.

Table (2) shows the grades not included in the Grade Point Average (GPA):

Grade	Description
I	Incomplete
NC	Non Credit
W	Withdrawal
AHRS	Attempt Hours
EHR	Earned Hours
RH	Required Hours
TPTS	Total Points
GPA	Grade Points Average

Registration symbols that do not carry grade points or credit:

I: Incomplete: a temporary grade that indicates the requirement of a course has not been completed. The instructor assigns "I" when, due to extraordinary-circumstances, the student was prevented from completing the requirements of a course.

W: Withdrawal prior to deadline indicates a student has officially withdrawn from a course.

10. Progression of Students

The student cannot progress to the next course without having passed its pre-requisite courses.

11. Incomplete Grade (I)

If student fails to attend the final exam for any emergency or exceptional circumstances beyond a student's control, the university council may approve an incomplete (I) grade. Coursework grades are transferred to students who are given an (I) grade.

Student must complete the course requirements before the exam of the second semester, if not submitted by that time the (I) will automatically changed to an (F).

12. Academic Difficulty

Once a student's cumulative GPA falls below "2", he/she is placed under academic probation and a warning is given to him. If the student couldn't raise his GPA in the following semester, a second warning is given. A student who fails to maintain a minimum cumulative GPA of "2" for four consecutive semesters or for a total of six semesters will be dismissed from the faculty.

13. Failure in Course:

Students who fail to attend final exam.

Students who fail to achieve 30% of the marks in the final exam.

Students who fail to achieve 60% of the total marks.

N.B.: Students are allowed to submit grade appeals to the registrar office requesting the rechecking of the total grade from the records available as well as confirming that the examiner has not missed any questions during the grading of answer sheet.

14. Leave of Absence

Students may apply for a leave of absence of two consecutive semesters or for a total of three non- consecutive semesters.

15. Graduation

Students are awarded the B.Sc. in Dentistry upon completion of the requisite number of credit hours (189 credit hours) with a cumulative GPA equivalent of 2 or above.

15.1. Honor Degree

The student is awarded an Honor Degree if his final cumulative GPA is greater than 3.5 pointed that his GPA never been less than 3.5 in any level of study. Moreover, he should not have been failed in any course.

15.2. Senior Honor Program:

The Senior Honor Program is available for outstanding senior students who complete their graduation requirements early. This pprogram allows students to continue active learning in areas of dentistry including options such as Geriatric Dentistry, Esthetic Dentistry or independent Research Project.

16. Academic Disciplinary Actions

Any form of cheating, plagiarism, impersonation, evidence of concealment or fabrication or results are resisted and opposed by the University.

Students enrolled in the university are subjected to the rules, regulations and the disciplinary actions stated in the law No. 49, 1972 concerning the regulations of Egyptian Universities and the integral laws.

17. Feedback from Students

Course evaluation forms, which invite comment on the course, are distributed at the end of each semester. Program questionnaires are distributed at the end of the final year. Both sets of forms will be completely anonymous.

18. Academic Advisor:

Every under graduate student is assigned an academic advisor from the faculty staff members to assist in orientation in the professional discipline. Students must obtain their advisor's approval of programs of study to registration for each academic semester and summer session.

Students are required to meet with their advisor every semester as part of the regular registration process to ensure fulfillment of university and faculty requirements.

19. STUDY PLAN:

The Bachelor degree of Oral and Dental Medicine is granted to students who successfully complete a minimum of 189 credit hours divided as follows:

- University requirements: 11 credit hours.
- Faculty requirements: 174 credit hours.
- Elective courses: 4 credit hours.



COURSES

Level 1 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 objective 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 pathology, 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 injuries, gingival diseases, dental health education, fluorides, pit and fissure sealants will be studied.

7-Oral Medicine, Periodontics, Diagnostic Sciences, Oral Maxillofacial Radiology and Laser Applications 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 through 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

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.

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
- Bioscience

11-Supplementary Medical Sciences (DEM) - Biochemistry

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

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YOUR DECISION**

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[f](#) [in](#) [t](#) [sinaiunieg](#)
info@su.edu.eg
www.su.edu.eg