

# Ajman University of Science & Technology



## College of Dentistry DDS Study Plan



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### Ajman University of Science and Technology

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## Introduction to College of Dentistry

The College of Dentistry had been established at Ajman University of Science and Technology, during the academic year 1997-1998. The Faculty of Dentistry is the first Oral and Dental Health Teaching Institution in the United Arab Emirates.

The College of Dentistry aims:

- To educate and train a new generation of oral health professionals, according to world-class standards, through an academic program leading to the **Doctor of Dental Surgery (D.D.S.) degree**.
- To implement a comprehensive health care program with emphasis on the oral and dental health prevention.
- To provide community dentistry services that meet world-class standards.
- To initiate scientific research in the oral health in collaboration with world-wide prestigious dental and medical institutions and companies related to dentistry.



- ⊕ The curriculum is tailored to meet the oral and dental health needs of the UAE community, focusing on the prevention of the oral and dental diseases.
- ⊕ Careful integration of knowledge based on biomedical foundation is developed through the study program.
- ⊕ The curriculum has been set to promote the self-learning, various teaching and learning methods (Internet, CD-ROM's, Videos...etc) are used with emphasis on critical thinking and problem based learning, using the Internet as information resource.
- ⊕ Laboratory sessions using models, simulations are part of the curriculum.
- ⊕ Clinical Training within the Faculty and medical / dental affiliated institutions, in different specialties, will expose the students to major oral diseases with an integral part of the medical approach.
- ⊕ The dental study plan has been conceived to help the student to develop and improve his/her clinical skills with sound medical background.





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## Message from the President

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The unique character of Ajman University of Science & Technology originates from the belief that Science and Technology are the two powerful pillars of modern education. For this reason, Ajman University strives to achieve a much more effective interaction between its educational programs and business world so that the concerted efforts will render qualified and trained cadres. This, it is hoped, will also satisfy potential needs for qualified dentists not only in the Emirates community, but also in our blessed Gulf as a whole.

It is also worth mentioning that teaching and training at Ajman University will rely on the most advanced scientific and technological network of prestigious universities, which have strong connection and mutual co-operation with Ajman University.

No doubt Ajman University is now a Centre of Excellence and it is approaching its tenth anniversary with steady steps towards new horizon in the world of Science and Technology. The newly born College of Dentistry is an excellent example of this pursuit, which, we hope, will contribute to development in the U.A.E. and the Arab countries at large.

With very best wishes

**Dr. Saeed A. Salman**

UNIVERSITY PRESIDENT



## Message from the Dean

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The College of Dentistry at Ajman University of Science and Technology has always insisted from the time of its inception, to provide the students with the most updated and advanced academic program.

The high academic standards of the College of Dentistry are achieved through the unlimited support, encouragement and guidance of H.E. President of the University, Dr. Saeed Salman and the teamwork spirit, which prevails at the University premises.

The five-year academic program leading to the DDS degree was designed on the most innovative ideas and trends, focusing primarily on the student in particular and the needs of the region as a whole.

A Curriculum Development Committee, established by the Faculty, comprising of the Senior Staff members, through their ongoing interaction with an external advisory board, revises, updates and fine-tunes the academic program to keep abreast of the advancements and emerging trends in the field of Dentistry .

I fully comprehend the philosophy that a full-fledged Faculty, for its efficient functioning, depends entirely on its teaching staff members and its clinical infra- structure. To this end, the Staff members of the College of Dentistry are encouraged to have a team spirit, to work collectively as one unit under the umbrella of the Innovative Medical Environment to deliver, as well as train to deliver, state-of-the-art clinical treatment to a vast patient base that depend directly on the school's dental clinics for their dental health.

I would like to take this opportunity to introduce the updated academic program to our students and urge them to go through the study plan, the methods described in evaluating outcomes and the measuring criteria used in assessing expected competencies.

Finally, prayers go to God, the most merciful and the most benevolent to help us.

**Dr. Salem Hassan Abu Fanas**BDS., MSc., PhD.  
Dean, College of Dentistry.



## Admission Requirements

*The College of Dentistry follows the policy established by Ajman University of Sciences & Technology, which stipulates a credit hour system based on two academic semesters of sixteen (16) weeks each.*

- ⊕ A Secondary School Certificate, science section, or its equivalent with the Grade Point Average not less than **B** (80%) and the priority is given to students with a higher Grade Point Average, in the following subjects.
  - Biology
  - Physics
  - Chemistry
- ⊕ English proficiency test (TOEFL score of 500 or above; or equivalent certificate).
- ⊕ Personal interview.

## Academic Standards

**D**ue to the integrated nature of the curriculum, dental students are advised to pursue the sequence of the curriculum as detailed hereafter, **after referring to his / her academic advisor**, in order to ensure a smooth academic enrolment as per the pre-requisite system.

**D**ental students should **successfully complete all the basic and medical science courses**, as stated in the curriculum, **to be allowed to enroll for the pre-clinical**.

**Due to the comprehensive treatment approach, students should successfully complete all the preclinical subjects to be eligible to enroll in the clinical phase.**

## Graduation Requirements

**T**he dental students will be awarded the Doctor of Dental Surgery (**D.D.S.**) degree after fulfilling the following requirements:

- ⊕ Completing successfully the required credit hours, including the University requirement courses, with an accumulative grade point average (A.G.P.A.) not less than C, otherwise students should take, during the following semester (s), clinical subjects as suggested by the academic advisor to fulfill this graduation requirement.
- ⊕ Completing successfully the required clinical cases during the clinical phase in addition to the two months required training period.
- ⊕ Submitting & defending the research project before an academic committee of the Faculty.



## Departments of the College

### **1. Department of Basic & Medical Sciences:**

#### **This department consists of:**

- English for Special Purposes - Dentistry
- Psychology & Behavioral Sciences
- Integrated Biological Sciences I & II
- Histology & Cell Biology
- Oral Histology
- Head & Neck Anatomy I & II
- Microbiology & Immunology
- General Medicine
- General Surgery & ENT
- Pathology

\* Physics

\*\* Chemistry

\*\* Biochemistry

\*\* Pharmacology

\* **(Course offered by the College of Education & Basic Sciences)**

\*\* **(Courses offered by the College of Pharmacy & Health Sciences).**

### **2. Department of Restorative Dentistry:**

#### **This department consists of:**

- Introduction to Oral & Dental Diseases
- Dental Anatomy & Occlusion
- Biomaterials\*
- Pre-clinical Operative Dentistry I & II
- Pre-clinical Prosthodontics I & II
- Pre-clinical Endodontics I & II
- Four Handed Dentistry & Infection Control
- Ethics\*
- Clinical Operative Dentistry I & II
- Clinical Prosthodontics I & II.
- Clinical Endodontics I & II.
- Geriatric Dentistry\*
- Clinical Dentistry I & II\*

**\* The different clinical departments will share these subjects, as per topics related to each department.**



### **3. Department of Growth & Development:**

**This department consists of:**

- Preventive Dentistry & Nutrition
- Pre-clinical Pediatric Dentistry I & II
- Pre-clinical Orthodontics.
- Clinical Pediatric Dentistry I & II
- Clinical Orthodontics I & II.
- Applied Biostatistics



### **4. Department of Surgical Sciences:**

**This department consists of:**

- Oral Radiology I & II
- Oral Diagnosis / Oral Medicine
- Oral Pathology I & II
- Pre-clinical Oral Surgery I & Pain Control
- Pre-clinical Oral Surgery II & Cardiac Pulmonary Resuscitation
- Pre-clinical Periodontics I & II
- Clinical Oral Surgery I & II.
- Clinical Periodontics I & II.
- Emergency Dental Care\*
- Hospital Dentistry\*
- Lasers & Modern Technology\*
- Implantology\*



\* The different clinical departments will share these subjects, as per topics related to each department.

### **5. Additional Faculty Requirements:**

- Internal Clinical Training Fourth & Fifth Years\*
- Treatment Planning & Seminars I & II\*
- Practice Management\*
- Research Project\*\*
- Equipment Maintenance\*\*\*

\* The different clinical departments will share these subjects, as per topics related to each department.

\*\* The different departments of the faculty will be involved, as per the research projects selected by students.

\*\*\* This course is shared with the College of Engineering – Biomedical Department.





## D.D.S. Study Plan

### University Requirements:

#### **Compulsory Courses:**

Course Code	Course Title	Credit Hours			Pre-Req.
		L/C	Lb/T	Cr/H	
0102 110	Islamic Culture	3	–	3	Xxx xxx
0102 140	Communication skills in Arabic Language	3	–	3	Xxx xxx
0103 110	Statistics	2	2	3	Xxx xxx
0104 110	Computer Applications	2	2	3	Xxx xxx
0103 120	Environmental Sciences	3	–	3	Xxx xxx

#### **Elective Courses:**

Although elective, the student has to register for three (03) courses, **after consulting his/her academic advisor, as stated in the curriculum.**

Course Code	Course Title	Credit Hours			Pre-Req.
		L/C	Lb/T	Cr/H	
0118120	General Biology	2	2	3	xxx xxx
0118130	Oral Health	2	2	3	xxx xxx
0118150	CPR-Cardio Pulmonary Resuscitation	2	2	3	xxx xxx
0117110	General Chemistry	2	2	3	xxx xxx
0117120	Fundamental of Human Nutrition	3	--	3	xxx xxx
0117130	First Aid	3	--	3	xxx xxx
0103 130	Research Methodology / Dentistry	3	–	3	Xxx xxx
0117150	Applications of Remote Sensing & GIS.	3	--	3	xxx xxx
0115110	History of Sciences in Islam	3	–	3	xxx xxx
0115120	Scientific Pioneering	3	–	3	xxx xxx
0115130	General Psychology	3	--	3	xxx xxx
0115140	Principle of mathematics	3	–	3	xxx xxx
0115150	فن التعبير والكتابة	3	--	3	xxx xxx
0115160	Emirates Society	3	--	3	xxx xxx
0112110	Principles of Architecture & Art	3	--	3	xxx xxx
0112120	Principles of Interior Design	3	--	3	xxx xxx
0112130	Modern Technology and Society	3	--	3	xxx xxx
0113110	Internet Concepts	2	2	3	xxx xxx
0113120	Introduction to Information System	3	--	3	xxx xxx
0114110	Economic Concepts	3	--	3	xxx xxx
0114120	Entrepreneurship Development	3	--	3	xxx xxx
0119120	Introduction to Communication Sociology	3	--	3	xxx xxx
0119130	Information Society	3	--	3	xxx xxx
0120115	الثقافة القانونية	3	--	3	xxx xxx



## College Requirements:

College of Dentistry has adopted the following system for course coding:

Faculty	Department	Year	Semester	Course
08	01-05	1-5	1-3	1-9

### Example:

Preclinical Operative Dentistry I                      0802 315

Faculty	Department	Year	Semester	Course
08	02	3	1	5

## First Year

### *First Semester*

Course Code	Course Title	Credit Hours			Pre-Req.
		L/C	Lb/T**	Cr/H	
0120101	Physics (Dentistry) *	3	--	3	Xxx xxx
0700 126	General Chemistry / Dentistry *	2	2	3	xxx xxx
0801 110	English for Special Purposes - Dentistry	3	--	3	xxx xxx
0801 111	Integrated Biological Sciences I *	2	2	3	xxx xxx
0801 112	Histology & Cell Biology *	2	2	3	xxx xxx
0103 110	Statistics	2	2	3	xxx xxx
0104 110	Computer Applications	2	2	3	xxx xxx
Total		16	10	21	

### *Second Semester*

Course Code	Course Title	Credit Hours			Pre-Req.
		L/C	Lb/T**	Cr/H	
0700 236	Biochemistry (Dentistry) *	3	2	4	0700 126
0801 121	Integrated Biological Sciences II *	3	2	4	0801 111
0801 122	Oral Histology *	3	2	4	0801 112
0801 123	Head & Neck Anatomy I *	2	2	3	0801 111
0102 140	Communication Skills in Arabic Language	3	--	3	xxx xxx
Xxx xxx	Elective Course	3	--	3	xxx xxx
Total		17	8	21	

**\* THIS IS A FOUNDATIONAL COURSE FOR THE DDS PROGRAM. EVERY DENTAL STUDENT MUST PASS THIS COURSE BEFORE PROCEEDING TO THE CLINICAL COMPONENT OF THE DEGREE PROGRAM.**

**\*\* Two (02) Practical hours = 1 Cr. / H**



## Second Year

### *First Semester*

Course Code	Course Title	Credit Hours			Pre-Req.
		L/C	Lb/T**	Cr/H	
0102 110	Islamic Culture	3	--	3	Xxx xxx
0700 239	Pharmacology I (Dentistry) *	2	-	2	0801 121
0801210	Psychology & Behavioral Sciences	3	-	3	Xxx xxx
0801 213	Head & Neck Anatomy II *	2	2	3	0801 123
0801 214	Microbiology & Immunology *	3	2	4	Xxx xxx
0801 215	Pathology *	3	1	3	0801 112
0802 213	Biomaterials *	2	1	2	Xxx xxx
Total		18	5	20	

### *Second Semester*

Course Code	Course Title	Credit Hours			Pre-Req.
		L/C	Lb/T**	Cr/H	
0700 240	Pharmacology II (Dentistry) *	2	-	2	0700 239
0801 226	General Medicine & Infectious Diseases *	4	1	4	0801 214 & 0801 215
0801 227	General Surgery & ENT *	2	1	2	0801 123
0802 221	Introduction to Oral & Dental Diseases	2	2	3	0801 215
0802 222	Dental Anatomy & Occlusion *	3	2	4	0801 123
0802 228	Four Handed Dentistry & Infection Control *	2	--	2	0801 214
0804 221	Oral Radiology I *	2	2	3	0120101
Total		17	8	20	

\* THIS IS A FOUNDATIONAL COURSE FOR THE DDS PROGRAM. EVERY DENTAL STUDENT **MUST** PASS THIS COURSE BEFORE PROCEEDING TO THE CLINICAL COMPONENT OF THE DEGREE PROGRAM

\*\* Two (02) Practical hours = 1 Cr. / H



## Third Year

### *First Semester*

Course Code	Course Title	Credit Hours			Pre-Req.
		L/C	Lb/T**	Cr/H	
0802 315	Pre-Clinical Operative Dentistry I *	2	3	3	0802 222 & 0802 213
0802 316	Pre-Clinical Prosthodontics I *	2	6	4	0802 222 & 0802 213
0802 317	Pre-Clinical Endodontics I *	1	3	2	0802 222 & 0802 213
0803 311	Preventive Dentistry & Nutrition	3	2***	4	0802 221 & 0801 226
0803 312	Pre-Clinical Pediatric Dentistry I *	2	--	2	0802 221
0804 312	Pre-Clinical Periodontics I *	1	1	1	0801 122
0804 313	Pre-Clinical Oral Surgery I & Pain Control *	2	2	2	0801 214, 0801227 & 0700240
0804 314	Oral Pathology-I *	2	2***	3	0801 215 & 0802 221
Total		15	19	21	

### *Second Semester*

Course Code	Course Title	Credit Hours			Pre-Req.
		L/C	Lb/T**	Cr/H	
0802 325	Pre-Clinical Operative Dentistry II *	2	3	3	0802 315
0802 326	Pre-Clinical Prosthodontics II *	2	3	3	0802315 & 0802 316
0802 327	Pre-Clinical Endodontics II *	1	3	2	0802 317
0803 322	Pre-Clinical Pediatric Dentistry II *	1	3	2	0803 312
0803 323	Pre-Clinical Orthodontics *	1	3	2	0801 122 & 0802 222
0804 322	Pre-Clinical Periodontics II *	1	3	2	0804 312
0804 323	Pre-Clinical Oral Surgery II & CPR *	3	2	3	0804 313 & 0801 226
0804 324	Oral Pathology-II *	2	2***	3	0804 314
Total		13	22	20	

\* THIS IS A FOUNDATIONAL COURSE FOR THE DDS PROGRAM. EVERY DENTAL STUDENT **MUST** PASS THIS COURSE BEFORE PROCEEDING TO THE CLINICAL COMPONENT OF THE DEGREE PROGRAM.

\*\* Three (03) Pre-clinical Training Hours=1 Cr. /H

\*\*\* Two (02) Practical hours = 1 Cr. / H



## Fourth Year

### **First Semester**

Course Code	Course Title	Credit Hours			Pre-Req.
		L/C	Cl/T*	Cr/H	
0802 415	Clinical Operative Dentistry I	1	4	2	All Preclinical Subjects
0802 416	Clinical Prosthodontics I	1	4	2	
0802 417	Clinical Endodontics I	1	4	2	
0803 412	Clinical Pediatric Dentistry I	1	4	2	
0803 413	Clinical Orthodontics I	1	4	2	
0804 410	Oral Diagnosis / Oral Medicine	2	4	3	
0804 412	Clinical Periodontics I	1	4	2	
0804 413	Clinical Oral Surgery I	1	4	2	All Preclinical Subjects & 0801 210
0804 411	Oral Radiology II	1	2**	2	0804 221
Total		10	34	19	

\*\* Two (02) Practical hours = 1 Cr. / H

### **Second Semester**

Course Code	Course Title	Credit Hours			Pre-Req.
		L/C	Cl/T*	Cr/H	
0103 130	Research Methodology / Dentistry	3	--	3	0103 110
0802 425	Clinical Operative Dentistry II	1	4	2	0802 415
0802 426	Clinical Prosthodontics II	1	4	2	0802 416
0802 427	Clinical Endodontics II	1	4	2	0802 417
0803 422	Clinical Pediatric Dentistry II	1	4	2	0803 412
0803 423	Clinical Orthodontics II	1	4	2	0803 413
0804 422	Clinical Periodontics- II	1	4	2	0804 412
0804 423	Clinical Oral Surgery II	1	4	2	0804 413
Total		10	28	17	

\* Four (04) Clinical Training Hours=1 Cr. /H

### **In-Campus Training Program \*:**

This in-campus clinical training program is held at the end of the eighth semester.

Course Code	Course Title	Credit Hours			Pre-Req.
		L/C	Cl/T*	Cr/H	
805435	Internal Clinical Training Fourth Year	-	20	2	All clinical courses



## Fifth Year

### *First Semester*

Course Code	Course Title	Credit Hours			Pre-Req.
		L/C	Cl/T*	Cr/H	
0805 511	Treatment Planning & Seminars I	2	--	2	0804 410 & 0804 324
0802 519	Clinical Dentistry I	-	24	6	All clinical courses
0802 511	Geriatric Dentistry	1	--	1	All clinical courses
0802 510	Ethics	1	--	1	xxx xxx
0803 510	Applied Biostatistics	2	--	2	0103 110
0804 515	Emergency Dental Care	1	4	2	All clinical courses
0804 518	Implantology	1	1	1	All clinical courses
Xxx xxx	Elective Course	3	--	3	xxx xxx
Total		11	29	18	

### *Second Semester*

Course Code	Course Title	Credit Hours			Pre-Req.
		L/C	Cl/T*	Cr/H	
0805 521	Treatment Planning & Seminars II	2	--	2	0805 511
0805 522	Research Project	1	--	1	xxx xxx
0802 529	Clinical Dentistry II	--	28	7	0802 519
0805 523	Practice Management	1	--	1	xxx xxx
0805 524	Equipment Maintenance	1	1	1	xxx xxx
0804 526	Hospital Dentistry	--	8	2	0804 515
0804 527	Lasers & Modern Technology	1	1	1	0804 422 & 0804 423
Xxx xxx	Elective Course	3	--	3	xxx xxx
Total		9	38	18	

\* Four (04) Clinical Training Hours=1 Cr. /H

### Internal Training Program \*:

The internal clinical training program is held at the end of the tenth semester.

Course Code	Course Title	Credit Hours			Pre-Req.
		L/C	Cl/T*	Cr/H	
805535	Internal Clinical Training Fifth Year	-	20	2	All clinical courses



## Total Hours per Subject

16 Weeks / Semester

### 1. Department of Basic & Medical Sciences

Course code	Course Title	L/C	Lb/T	Cr./hr	Total Contact Hours/ Semester
0801 110	English for Special Purposes - Dentistry	48	-	3	48
0801 210	Psychology & Behavioral Sciences	48	--	3	48
0801 111	Integrated Biological Sciences-I	32	32	3	64
0801 112	Histology & Cell Biology	32	32	3	64
0801 121	Integrated Biological Sciences II	48	32	4	80
0801 122	Oral Histology	48	32	4	80
0801 123	Head & Neck Anatomy I	32	32	3	64
0801 214	Microbiology & Immunology	48	32	4	80
0801 215	Pathology	48	16*	3	64
0801 213	Head & Neck Anatomy II	32	32	3	64
0801 226	General Medicine	64	16*	4	80
0801 227	General Surgery & ENT	32	16*	2	48
0120101	Physics / Dentistry	48	-	3	48
0700126	General Chemistry / Dentistry	32	32	3	64
0700236	Biochemistry / Dentistry	48	32	4	80
0700239	Pharmacology-I/ Dentistry	32	-	2	32
0700240	Pharmacology-II/ Dentistry	32	-	2	32

\* Extra Hours

### 2. Department of Restorative Dentistry

Course code	Course Title	L/C	Lb/T	Cr./hr	Total Contact Hours/ Semester
0802 221	Introduction to Oral & Dental Diseases	32	32	3	64
0802 222	Dental Anatomy & Occlusion	48	32	4	80
0802 213	Biomaterials	32	16*	2	48
0802 228	Four Handed Dentistry & Infection Control	32	-	2	32
0802 315	Pre-clinical Operative Dentistry-I	32	48	3	80
0802 325	Pre-clinical Operative Dentistry-II	32	48	3	80
0802 316	Pre-clinical Prosthodontics-I	32	96	4	128
0802 326	Pre-clinical Prosthodontics-II	32	48	3	80
0802 317	Pre-clinical Endodontics-I	16	48	2	64
0802 327	Pre-clinical Endodontics-II	16	48	2	64
0802 415	Clinical Operative Dentistry-I	16	64	2	80
0802 425	Clinical Operative Dentistry-II	16	64	2	80
0802 416	Clinical Prosthodontics-I	16	64	2	80
0802 426	Clinical Prosthodontics-II	16	64	2	80
0802 417	Clinical Endodontics-I	16	64	2	80
0802 427	Clinical Endodontics-II	16	64	2	80
0802 519	Clinical Dentistry –I	-	384	6	384
0802 529	Clinical Dentistry –II	-	448	7	384
0802 511	Geriatric Dentistry	16	-	1	16
0802 510	Ethics	16	-	1	16

\* Extra Hours



### **3. Department of Growth & Development**

Course code	Course Title	L/C	Lb/T	Cr./hr.	Total Contact Hours/ Semester
0803 311	Preventive Dentistry & Nutrition	48	32	4	80
0803 312	Pre-clinical Pediatric Dentistry-I	32	-	2	32
0803 322	Pre-clinical Pediatric Dentistry-II	16	48	2	64
0803 323	Pre-clinical Orthodontics	16	48	2	64
0803 412	Clinical Pediatric Dentistry-I	16	64	2	80
0803 422	Clinical Pediatric Dentistry-II	16	64	2	80
0803 413	Clinical Orthodontics-I	16	64	2	80
0803 423	Clinical Orthodontics-II	16	64	2	80
0803 510	Applied Biostatistics	32	-	2	32

### **4. Department of Surgical Sciences**

Course code	Course Title	L/C	Lb/T	Cr./hr.	Total Contact Hours/ Semester
0804 221	Oral Radiology-I	32	32	3	64
0804 312	Pre-clinical Periodontics-I	16	16*	1	32
0804 313	Pre-clinical Oral Surgery-I & Pain Control	32	32	2	64
0804 411	Oral Radiology-II	16	32	2	48
0804 322	Pre-clinical Periodontics-II	16	48	2	64
0804 323	Pre-clinical Oral Surgery-II & CPR	48	32	3	80
0804 314	Oral Pathology –I	32	32	3	64
0804 410	Oral Diagnosis / Oral Medicine	32	64	3	96
0804 412	Clinical Periodontics-I	16	64	2	80
0804 413	Clinical Oral Surgery-I	16	64	2	80
0804 324	Oral Pathology –II	32	32	3	64
0804 422	Clinical Periodontics-II	16	64	2	80
0804 423	Clinical Oral Surgery-II	16	64	2	80
0804 515	Emergency Dental Care	16	64	2	80
0804 518	Implantology	16	16*	1	32
0804 526	Hospital Dentistry	-	128	2	128
0804 527	Lasers & Modern Technology	16	16*	1	32

\* Extra Hours

### **5. Additional Faculty Requirements**

Course code	Course Title	L/C	Lb/T	Cr./hr.	Total Contact Hours/ Semester
0805 435	Internal Clinical Training Fourth Year	-	20	2	20
0805 535	Internal Clinical Training Fifth Year	-	20	2	20
0805 511	Treatment Planning & Seminars-I	32	-	2	32
0805 521	Treatment Planning & Seminars-II	32	-	2	32
0805 522	Research Project	16	-	1	16
0805 523	Practice Management	16	-	1	16
0805 524	Equipment Maintenance	16	16*	1	32

\* Extra Hours





## COURSES DESCRIPTION

### UNIVERSITY REQUIREMENTS

#### **A) Compulsory Courses:**

As described in the University Prospectus (Study Plan of Faculty of University Requirements & Advising).

#### **B) Elective Courses:**

As described in the University Prospectus (Study Plan of Faculty of University Requirements & Advising).

*Although elective, the student has to register for three (03) courses, after consulting his/her academic advisor, as stated in the curriculum.*

### COLLEGE REQUIREMENTS

#### **1) 0120 101      Physics / Dentistry      (3 cr. /h.)**

The course covers the basic principles of the generation, energy, conduction, & measurement of electrical & mechanical forces.

#### **2) 0700 126      General Chemistry / Dentistry      (3 cr. /h.)**

This course provides the dental students with the basic knowledge in organic & inorganic General Chemistry.

Laboratory sessions serve as an introduction to the principles of qualitative analysis including ionic equilibrium, ionic separation & the identification of selected simple & complex ions.

#### **3) 0700 236      Biochemistry / Dentistry      (4 cr. /h.)**

The course covers the study of the constituents of living cells & their chemical reactions. Emphasis is made on intermediary metabolism & biologically important reactions of proteins, carbohydrates, and lipids. Also the General Chemistry of enzymes, blood constituents & hormones.

#### **4) 0700 239      Pharmacology-I / Dentistry      (2 cr. /h.)**

The course describes the principles of the pharmacokinetics and pharmacodynamics of the biological actions, mechanism, uses, side effects, toxicity, interactions and adverse reaction of drugs acting on autonomic nervous system, cardiovascular system, central nervous system, gastro-intestinal system, endocrine system, renal system, autocooids, antibiotics and other anti-infective agents and anticancer drugs, with an emphasis on dental applications.



**5) 0700 240      Pharmacology-II / Dentistry      (2 cr. /h.)**

Continuation of Pharmacology-I.

**6) 0801 110      English for Special Purposes - Dentistry      (3 cr./h.)**

This is a course in English for specific purposes at the intermediate level in the student's major subject. It provides practice in the language skills while emphasizing the structures, vocabulary and registers appropriate to the student's field. There is also a review, continuing from English I, of structures in a general setting.

**7) 0801 210      Psychology & Behavioral Sciences      (3 cr. /h.)**

This course introduces the science of mind and behavior, clinical psychology and the psychological relations between the dentist & the patient.

**8) 0801 111      Integrated Biological Sciences - I      (3 cr. /h.)**

This course provides dental students with basic principles of Anatomy, and an introduction to Embryology, a foundation that is necessary for their further dental education and clinical practice. The course is intended primarily to help the students understand the fundamentals of human body structure and development. The systemic arrangement of the topics helps the student to better understand the subject, and to correlate structure and function of different organs.

**9) 0801 121      Integrated Biological Sciences-II      (4 cr. /h.)**

Continuation of Integrated Biological Sciences-II. The course is intended to help the dental students to understand the basic concepts of anatomy and physiology simultaneously with emphasis on topics related to the dental practice. This course covers the study of the main systems of the body with strong emphasis on the practical aspects.

**10) 0801 112      Histology & Cell Biology      (3 cr. /h.)**

This course describes the structural organization of cells, tissues, and organ systems, at microscopic level, and includes the general principles of cell biology. Students are provided with a basic knowledge of general embryology & genetics.

**11) 0801 122      Oral Histology      (4 cr. /h.)**

The course consists of a study of the development & structure of the oral cavity & teeth. The microscopic organization of all oral organs & tissues are studied in detail.



**12) 0801 123 Head & Neck Anatomy I (3 cr. /h.)**

The students study the normal structure & function of the oral cavity, head & neck, and the nervous system with areas of clinical importance.

**13) 0801 213 Head & Neck Anatomy II (3 cr. /h.)**

This course deals with structures in the region of the neck as well as the neuroanatomy of the head & neck as related to the dental students. Laboratory sessions help the students to deepen their knowledge in areas related to dentistry through dissections.

**14) 0801 214 Microbiology & Immunology (4 cr. /h.)**

The course covers:

- The fundamentals of microbiology with emphasis on oral microbiota, pathogens & defence mechanisms in the dental environment.
- The basics of immunology including the immune system & organisms of medical & dental significance.
- Virology: Virus structure & classification, viral pathogenesis & mechanisms of host defence.
- Hygiene covering pathogenesis of bacterial, infections, etiology, clinical picture, lab diagnosis, treatment, prevention and control of diseases caused by the different bacteria.

**15) 0801 215 Pathology (3 cr. /h.)**

The course covers the fundamentals of basic disease process of the body. Gross, microscopic & biochemical features of pathologic conditions of the organ systems are studied in detail in order to establish a sound foundation for clinical practice.

**16) 0801 226 General Medicine (4 cr. /h.)**

This comprehensive course covers topics specific to the medical field, with interest to medically - compromised patient as related to dental care. It also deals with the diseases caused by microorganisms & related to dentistry. It introduces the students to the way of transmission, features, diagnosis, prevention & treatment of the infectious diseases.

**17) 0801 227 General Surgery & ENT (2 cr. /h.)**

This course introduces the students to the basic principles of surgery, with emphasis on essentials of history & physical evaluation related to maxillofacial area. This course also includes knowledge on the diseases of the E.N.T. as related to the oral cavity with emphasis on sensitive areas (ophthalmic nerve, sinus. etc.)



**18) 0802 221 Introduction to Oral & Dental Diseases (3 cr. /h.)**

This is an introduction to Profession of Dentistry with a summary of dental history to familiarize students with background to understand new issues & events through the ages. In addition this course provides students with knowledge & understanding of the oral & dental diseases, their etiology, pathogenesis & the different stages of these lesions and their clinical manifestations.

**19) 0802 222 Dental Anatomy & Occlusion (4 cr. /h.)**

This course deals with nomenclature & morphology of the natural dentition & includes laboratory exercises in the wax carving of anatomically accurate teeth. Analysis of occlusal patterns & correction of occlusal disharmonies are integrated with courses in operative dentistry, prosthodontics, periodontics & orthodontics. This course based on biological & behavioural sciences will give the students a multi-disciplinary approach of the occlusion, to enhance the objectivity of clinical interpretations.

**20) 0802 213 Biomaterials (2 cr. /h.)**

The course allows students to understand the mechanical & physical properties of dental materials & their clinical applications. Biomechanical principles & latest advances in dental materials technology are integrated into appropriate dental specialties.

**21) 0804 221 Oral Radiology-I (3 cr. /h.)**

The course deals with the basic principles of x-ray production, the biological effects of ionizing radiation & radiation safety. It emphasizes on the intra-oral & extra-oral radiographic techniques. Students learn to take & interpret oral radiographs, and perform initial screening examination & diagnosis. The course is integrated with the different dental specialties.

**22) 0802 315 Pre-Clinical Operative Dentistry I (3 cr. /h.)**

This course introduces concepts of the carious process, diagnosis & treatment of the dental disease. The course also covers cavity design, preparation, & insertion of various restorative materials.

Pre-clinical laboratory sessions & clinical demonstrations help the students to develop their skills.

**23) 0802 325 Pre-clinical Operative Dentistry II (3 cr. /h.)**

Lecture series focus on differential diagnosis & management of caries with emphasis on more complete and advanced techniques.

**24) 0802 316 Pre-Clinical Prosthodontics I (4 cr. /h.)**



Students are introduced to basic principles in treating the partially or totally edentulous patient with removable dentures with focus on understanding the physical biomechanical characteristics of the denture components. The course also teaches the basic principles & techniques related to tooth preparation, impression techniques & crown-bridge confection. Laboratory sessions and demonstrations allow the students to gain more confidence.

**25) 0802 326 Pre-Clinical Prosthodontics II (3 cr. /h.)**

Students learn the various methods & techniques for fixed & removable prosthodontics.

**26) 0802 317 Pre-Clinical Endodontics I (2 cr. /h.)**

The course provides a clear understanding of the biological foundation of the pulp & periapical disease, the etiology & progression of the endodontic pathology & the diagnosis & root canal treatment with emphasis on radiographic interpretation of the pulp & periapical disease. Laboratory sessions help the students to gain practical skills in endodontic procedures.

**27) 0802 327 Pre-Clinical Endodontics II (2 cr. /h.)**

The course deals with pathology, diagnosis, & treatment of the dental pulp & periapical tissues. Students perform advanced root canal treatment during the laboratory sessions.

**28) 0802 228 Four Handed Dentistry & Infection Control (2 cr. /h.)**

Topics include the review of the medical history, transmission & pathogenesis, oral & systemic manifestations. Students learn the mechanisms by which infectious diseases are transmitted & the risk for transmission in dental practice, such as HIV disease, viral hepatitis & others.

Through lectures, demonstrations & clinical practice, students are trained to effectively utilize dental auxiliaries to improve the quality of service while preventing increased stress & fatigue.

**29) 0803 311 Preventive Dentistry & Nutrition (4 cr. /h.)**

The preventive dentistry course introduces the student to the philosophy & methods of prevention, including information on etiology on dental caries, periodontal disease & methods of preventing & controlling dental diseases through a preventive treatment plan & health education programs. This course provides the students with a basic knowledge of the essential nutrient materials in both health & disease, and discusses the role of the nutrition on the development, prevention & treatment of the oral & dental diseases.

**30) 0803 312 Pre-Clinical Pediatric Dentistry I (2 cr. /h.)**

The course focuses on development & growth of the orofacial structures of the child & adolescent and the diagnosis & treatment planning as well. Principles of child psychology & changing concepts in caries formation are introduced.

**31) 0803 322 Pre-Clinical Pediatric Dentistry II (2 cr. /h.)**



The course introduces the principles of dentistry specific to the child with special interest to the emotional development. Procedures & specific techniques are developed to manage the dental conditions.

**32) 0803 323 Pre-Clinical Orthodontics (2 cr. /h.)**

This course is an introduction to orthodontics, its terminology & scope. Topics include physiology of stomatognathic system, description of various malocclusions and systematic study of etiology of orthodontic problems.

**33) 0804 312 Pre-Clinical Periodontics-I (1 cr. /h.)**

The course provides the students with a basic understanding of the normal periodontium, early pathologic changes, their etiologic factors, and basic therapeutics & preventive procedures. Students learn to probe & examine gingival tissues, & develop proficiency in use of instruments for calculus & root planning in-patient-simulating units.

**34) 0804 322 Pre-Clinical Periodontics-II (2 cr. /h.)**

Lectures focus on the periodontal lesions, their etiologic factors, the treatment planning & the management of the periodontal diseases.

**35) 0804 313 Pre-clinical Oral Surgery-I & Pain Control (2 cr. /h.)**

The course introduces the basic principles of surgery, which include the essentials of medical history & physical evaluation. Topics include fundamentals of asepsis, inflammation & repair, exodontia, & head & neck pathology.

Students learn to master techniques of tooth removal & minor surgery procedures in laboratory. It provides the understanding of pain & its management, & the academic aspects of administration of local anesthetics, nitrous oxide and intravenous sedation. Laboratory training help students to gain more practice & improve their skills.

**36) 0804 323 Pre-Clinical Oral Surgery-II & C.P.R (3 cr. /h.)**

Students learn the principles of tissue repair, pre-surgical health status evaluation, principles of surgical asepsis, uncomplicated & complicated exodontia. The course introduces the students to the basic life support. It focuses on the assessment & the early active management of the acute cardiac arrest. Students should be CPR certified before entering the clinical phase.

**37) 0804 314 Oral Pathology-I (3 cr. /h.)**

Students learn the fundamentals of basic disease process affecting the head & neck regions, & how to identify the histopathological lesions,



**38) 0804 324 Oral Pathology-II**

**(3 cr. /h.)**

This course provides a comprehensive clinical evaluation & management of oral mucosal diseases with emphasis on differential diagnosis & current therapeutic means.

**39) 0804 411 Oral Radiology-II**

**(2 cr. /h.)**

The course deals with advanced techniques in dental radiology. Students learn how to assess clinical cases and make differential diagnosis.

**40) 0802 415 Clinical Operative Dentistry-I**

**(2 cr. /h.)**

Students apply the newly acquired skills in diagnosing & treating patients under the supervision of qualified staff members.

**41) 0802 425 Clinical Operative Dentistry-II**

**(2 cr. /h)**

This advanced operative dentistry course focuses on a full range of challenging cases as related to other disciplines. Students develop their clinical skills, using latest techniques in cosmetic dentistry. A lecturer is provided to fourth year students to emphasize on more complex & sophisticated techniques.

**42) 0802 416 Clinical Prosthodontics-I**

**(2 cr. /h.)**

The course provides the students with concepts of clinical fixed & removable prosthodontics. Students treat a number of clinical cases of partial & full dentures, and concentrate on tooth preparation procedures & laboratory techniques.

**43) 0802 426 Clinical Prosthodontics-II**

**(2 cr. /h)**

Lecture course on advanced procedures in fixed and removable prosthodontics, with emphasis on occlusal registration, and integration of periodontal – endodontic considerations. Students perform complex clinical cases & accomplish all assigned laboratory procedures associated with the treatment of the above clinical cases.

**44) 0802 417 Clinical Endodontics-I**

**(2 cr. /h.)**

The course covers in depth the pathology of the pulpal tissues & their clinical manifestations. Topics include pulpal & periapical emergencies, and differential diagnosis of the pulpal pathology. Students perform non-surgical endodontic therapy & learn to relieve pain in emergencies.

**45) 0802 427 Clinical Endodontics-II**

**(2 cr. /h)**



This lecture course deals with advanced endodontic concepts, including peripheral surgery & endodontic-periodontic relationship. Students perform non-surgical root canal treatment on single & multi-rooted teeth, & learn how to assess the success & failure in endodontic treatments.

**46) 0803 412 Clinical Paediatric Dentistry-I (2 cr. /h.)**

Students develop their skills in clinical treatment of a wide variety of childhood conditions, with emphasis on tooth preparation & fabrication of the stainless steel crown.

**47) 0803 422 Clinical Paediatric Dentistry-II (2 cr. /h.)**

Students learn clinical procedures & specific techniques to manage the dental condition of the child patient, and perform clinical treatment for paediatric patients.

**48) 0803 413 Clinical Orthodontics-I (2 cr. /h.)**

This course deals with the treatment of minor orthodontic procedures. Students learn to achieve removable orthodontic appliances for correction of minor malocclusions.

**49) 0803 423 Clinical Orthodontics-II (2 cr. /h.)**

This course introduces the systematic methods of recognizing, classifying & treatment planning of various types of malocclusions, with emphasis on analysis of the cephalometric X-ray in diagnosing clinical cases.

**50) 0804 410 Oral Diagnosis / Oral Medicine 3 cr. /h.)**

The course deals with training the students in developing a doctor-patient relationship and evaluating the patient, by taking a detailed case history and conducting extra- & intra-oral examination in the head & neck region. Based on discussion, students learn to arrive at a differential diagnosis, leading to the provisional diagnosis and framing the appropriate treatment plan.

**51) 0804 412 Clinical Periodontics-I (2 cr. /h.)**

Students initiate periodontal procedures on patients with gingivitis & early to moderate stages of periodontitis.

**52) 0804 422 Clinical Periodontics-II (2 cr. /h.)**

This advanced clinical periodontics course focuses on objectives of periodontal therapy, treatment planning & treatment techniques, including preprosthetic surgery, reconstructive and plastic surgery.





**53) 0804 413 Clinical Oral Surgery-I**

**(2 cr. /h.)**

Students gain more experience in various minor surgical procedures & learn to manage emergency cases. The course introduces the student to assessment of surgery for impacted teeth, biopsies, suturing techniques, & treatment of odontogenic infections.

**54) 0804 423 Clinical Oral Surgery-II**

**(2 cr. /h.)**

This course covers advanced oral surgery subjects, including fractures, cysts, benign & malignant neoplasm, T.M.J. disorders, and its surgical / medical management as well. Students gain additional experience in various clinical procedures along with physical diagnosis.

**55) 0805 511 Treatment Planning & Seminars-I**

**(2 cr. /h.)**

Topics review assessment of advanced clinical diagnosis & sequential comprehensive treatment plan, with special emphasis on the rationale for decision making. Students develop analytic skills in assessing the various treatment plans, for the patients seen during the comprehensive patient management sessions.

**56) 0805 521 Treatment Planning & Seminars-II**

**(2 cr. /h.)**

Topics related to advanced & newer concepts in the field are presented in a multidisciplinary series of seminars. Issues such as ethics in dentistry, health care delivery, a practice management, are also discussed.

**57) 0805 522 Research Project**

**(1 cr. /h.)**

Under the guidance of a Faculty Advisor, students choose, explore, and develop an interest in a relevant specific field of basic sciences or dental sciences. Students learn how to read & evaluate scientific literature, gather data & subject it to critical analysis. Students present & defend their project before an academic committee of the Faculty.

**58) 0802 519 Clinical Dentistry-I**

**(6 cr. /h.)**

Students are assigned patients with a comprehensive approach to the dental practice, including patient & clinic management, stressing inter - and multidisciplinary treatment of more challenging cases. Emphasis is on comprehensive treatment planning, diagnosis & management of the medically compromised patient

**59) 0802 529 Clinical Dentistry-II**

**(7 cr. /h.)**

Continuation of Clinical Dentistry-I.

**60) 0802 511 Geriatric Dentistry**

**(1 cr. /h.)**



This course provides a framework for assessing the ageing process with evaluation of the psychological aspects & pathological changes. Comprehensive geriatric patient care will be discussed

**61) 0802 510 Ethics (1cr. /h.)**

Introduction to the ethical responsibilities & principles of general biomedical ethics. Discussion of professional malpractice, legal & ethical responsibilities in fulfilling the doctors' obligations to the patients, the profession & the community.

**62) 0803 510 Applied Biostatistics (2 cr. /h.)**

This course provides the dental students with the necessary background of specific statistics relevant to the medical/dental fields.

**63) 0805 523 Practice Management (1cr. /h)**

Review of topics essentials for new graduates, planning to establish a dental practice. Issues include referral mechanisms, recall systems, financing, purchasing equipment & government regulations, which affect dental practitioners.

**64) 0805 524 Equipment Maintenance (1cr. /h)**

This course introduces the students to the basic knowledge of a dental unit, parts, and maintenance.

**65) 0804 515 Emergency Dental Care (2 cr. /h.)**

Students gain experience in diagnosing & managing patients with acute dental emergencies, including placement of temporary restorations & performing emergency treatments.

**66) 0804 526 Hospital Dentistry (2 cr. /h.)**

Clinical rotations allow students to gain more experience in procedures & protocol related to hospital dentistry, operating room dentistry, anesthesia for dentistry & systemic patient management.

**67) 0804 527 Lasers & Modern Technology (1 cr. /h.)**

Lectures & demonstrations provide students with latest technology in dental practice, using lasers in oral surgery, periodontics & operative dentistry.

**68) 0804 518 Implantology (1 cr. /h.)**

This comprehensive lecture course presents the scientific basis & clinical applications of modern dental implantology techniques, & covers both surgical procedures and periodontic & prosthodontic considerations in implant dentistry. Students perform implantology procedures in a laboratory setting



Students are assigned patients with a comprehensive approach to the dental practice, including patient & clinic management, stressing inter - and multidisciplinary treatment of more challenging cases. Emphasis is on comprehensive treatment planning, diagnosis & management of the medically compromised patient.

## Training Program

The credited dental training hours are part of the curriculum and include different phases:

### **Fourth Semester:**

- Students self-screening under staff supervision.
- Screening school children.
- Students get familiar with different oral and dental diseases.
- Each dental student is assigned a number of school children for screening their oral health status throughout the four academic years.

1 Credit hour = 2 Practical hours.

Weekly contact hours: 7

Credit hours = 3.5

### **Fifth & Sixth Semesters:**

- Dental students are involved in the Preventive Dentistry program and epidemiology, providing fluoride tablets, fissure sealants, re-screening their assigned "patients" on a six-month basis.
- Pre-clinical training using patient simulating units.

1 Credit hour = 3 Pre-clinical practical hours.

Weekly contact hours: 41

Credit hours = 13.5

### **Seventh & Eighth Semesters:**

- Training within the premises of the Faculty. The dental students improve their clinical skills through a more integrated team approach, treating the school children assigned to them as well as the patient visiting the school's dental clinic.

1 Credit hour = 4 Clinical practical hours.

Weekly contact hours: 62

Credit hours = 15.5

### **Ninth & Tenth Semesters:**

- Internship: Students are assigned to perform advanced clinical treatment within the premises of the school's dental clinic under the supervision of senior faculty. In



In addition, the students attend Hospital Dentistry course, which exposes them to a medical hospital environment, affiliated to AUSTN.

1 Credit hour = 4 Clinical practice hours.

Weekly contact hours: 67

Credit hours = 16.75

**Total Credit Hours:           49.25**



## Training Schedule for Dental Students (16 Weeks / Semester)

Semesters	Cr. / Hr.	Practical Contact (Hrs/week)
Fourth Semesters*	4.5	9
Fifth & Sixth Semesters**	13.6	41
Seventh & Eighth Semesters***	15.5	62
Ninth & Tenth Semesters***	16.75	67

**Total Credit Hours: 50.35**

*	1 Cr. / hr.	=	2 Practical hours
**	1 Cr. /hr.	=	3 Pre-clinical practical hours.
***	1Cr. / hr.	=	4 Clinical practical hours.

**Summer Training Program: [04 Weeks/ semester for two semesters]**

Eight weeks required training program based on a comprehensive patient treatment approach is given at the end of 8<sup>th</sup> and 10<sup>th</sup> semesters resulting in earning a total of 4 credit hours.

The training program at the end of 8<sup>th</sup> and 10<sup>th</sup> semesters consists of a combined total of eight weeks. The clinical activity carried out during this training period is of a comprehensive nature. This exposes the candidate to a total of 20 clinical contact hours/week.

### **Research Project:**

Students should submit & defend a research project before an academic committee of the Faculty, prior to their graduation. This research project is conducted under supervision of an research supervisor who allocates the topic to the student.



## System of Assessments

The College of Dentistry adopts the eclectic and customized credit hours system, which follows the policy of the University, and consists of various teaching and **LEARNING** methods with emphasis on critical problems solving and problem based learning using multimedia and internet as learning information resources. This approach also includes practical simulations and credited clinical training performed with latest technology to help the students to develop and improve their clinical skills.

### Methods of students' assessments:

The students' assessments are performed in each registered course according to the policy of the University, which applies the following scale:

**1- 100, is the maximum marks a student may score in any course.**

### 2- The marks are divided as follows:

a- First Test	15 marks.
b- Mid-semester Examination	20 marks.
c- Second Test	15 marks.
d- Final Examination	50 marks.

**3-The test marks include the scores students achieve in quizzes, projects, research, laboratory work, training and oral.**

**4- 60% is the pass mark in each course.**

### 5- The University adopts the following grading system:

Marks	Designation	Sign	Score
95-100	Excellent with distinction	A+	4.5
90-94	Excellent	A	4.0
85-89	Very good (higher)	B+	3.5
80-84	Very good	B	3.0
75-79	Good	C+	2.5
70-74	Merit	C	2.0
65-69	Satisfactory	D+	1.5
60-64	Pass	D	1.0
<60	Fail	F	0.0

### 6- Grade Point Average (GPA):

The GPA indicates the student's progress in each semester and is calculated as follows: The total number of the credit hours in each subject multiplied by the number of points achieved in each subject and divided by the total number of credit hours registered in each semester.



The Faculty of Dentistry applies the following details for assessment of students in different subjects:

**1-Assessment of students in basic and medical subjects with no practical sessions:**

First Test of 15 marks includes:

- Written Examination [Quizzes] 10 marks
- Oral Examination 05 marks

Mid-Term Examination Of 20 marks include:

- Written Examination 15 marks
- Oral Examination 05 marks

Second Test of 15 marks includes:

- Written Examination [Quizzes] 05 marks
- Research project 05 marks
- Oral Examination 05 marks

Final Examination of 50 marks:

- Written Examination 40 marks
- Oral Examination 10 marks

**2-Assessment of the students in basic and medical science subjects with practical sessions:**

First Test of 15 marks includes:

- Written Examination [Quizzes] 05 marks
- Practical Examination 05 marks
- Oral Examination 05 marks

Mid-Term Examination of 20 marks includes:

- Written Examination 10 marks
- Practical Examination 05 marks
- Oral Examination 05 marks

Second Test of 15 marks includes:

- Written Examination Quizzes [Quizzes] 05 marks
- Practical Examination 05 marks
- Research paper 05 marks

Final Examination of 50 marks includes:

- Written Examination 30 marks
- Practical Examination 15 marks
- Oral Examination 05 marks

**3-Assessment of students in dental subjects with no practical sessions (pre-clinical and clinical):**

First Test of 15 marks includes:

- Written Examination [Quizzes] 10 marks
- Oral Examination 05 marks

Mid-Term Examination of 20 marks includes:

- Written Examination 15 marks
- Oral Examination 05 marks

Second Test of 15 marks includes:

- Written Examination [Quizzes] 05 marks
- Research project 05 marks
- Oral Examination 05 marks

Final Examination of 50 marks includes:

- Written Examination 40 marks
- Oral Examination 10 marks



**4-Assessment of students in dental subjects with practical sessions (pre-clinical and clinical) and lectures:**

First Test of 15 marks includes:

- Written Examination [Quizzes] 06 marks
- Practical Examination 06 marks
- Oral Examination 03 marks

Mid-Term Examination of 20 marks includes:

- Written Examination] 08 marks
- Practical Examination 08 marks
- Oral Examination 04 marks

Second Test of 15 marks includes:

- Written Examination [Quizzes] 03 marks
- Research Project 06 marks
- Practical Examination 06 marks

Final Examination of 50 marks includes:

- Written Examination 20 marks
- Practical Examination 20 marks
- Oral Examination 10 marks

**5-Assessment of students in dental clinical subjects:**

First Test of 15 marks includes:

- Continuous Evaluation and Requirements 12 marks
- Clinical Quizzes 03 marks

Mid-Term Examination of 20 marks includes:

- Written Examination 08 marks
- Midterm Competency Examination 12 marks

Second Test of 15 marks includes:

- Continuous Evaluation and Requirements 06 marks
- Research Project 06 marks
- Clinical Quizzes 03 marks

Final Examination of 50 marks includes:

- Written Examination 20 marks
- Final Competency Examination 30 marks

**NOTE:**

***The written examinations of mid- term and final include different types of questions (short/long essay, M. C Q's, problem solving, clinical cases and diagrams).***





## Teaching Faculty

### Ajman Campus

1. Abdo S. B. A., B.D.S., 1990, Jordan University of Science & Technology, M.Sc., 1994, (Endo) Eastman Dental Institute (University of London), Lecturer.
2. Abu-Fanas S. H., B.D.S., 1980, Garyounis University, M.Sc., 1985, Manchester University, Ph.D., 1989, (Perio) Manchester University, Associate Prof.
3. Al Dujaili D. H., B.D.S., 1983, Baghdad University, M.Sc., 1989, (Oral Surg) Baghdad University, Ph.D., 2000, (Oral Med) Baghdad University, Assistant Prof.
4. Alhadi D., B.D.S., 1993, Baghdad University, M.D.S., 1999, (Resto) University of Leeds, MFDS, 2002, Edinburgh, Lecturer.
5. Ali H. A. R., B.D.S., 1989, Garyounis University, M.Sc., 2001, (Prosth) Baghdad University, Lecturer.
6. Al Sammerrae A. A. R., B.D.S., 1984, Baghdad University, M.Sc., 1995, (Prosth) Baghdad University, Lecturer.
7. Al Sayyab M. A., B.D.S., 1983, Baghdad University, M.Sc., 1989, (Prev) Baghdad University, Ph.D., 2000, (Prev) Baghdad University, Assistant Prof.
8. Al Taki A. A., D.D.S., 1999, University of Jordan, Ph.D., 2002, (Ortho) Marmara University, Assistant Prof.
9. Bayoumi D. M., M.B.Ch.B., 1973, University of Alexandria, M.Sc., 1978, University of Alexandria, Ph.D., 1983, (Pathology) Institute Gustave Roussy (Paris), Professor.
10. Desai S., B.D.S., 1987, Bombay University, M.D.S., 1994, (Oral Patho) Karnataka University, Lecturer.
11. Desai V., B.D.S., 1987, Bombay University, M.D.S., 1994, (Perio) Karnataka University, Lecturer.
12. El-Gheriani A. S., B.D.S., 1970, University of Alexandria, M.D.S., 1977, University of Pittsburgh, Ph.D., 1988, University of Sheffield, Professor.
13. Elkaseh A. M. A., B.D.S., 1988, Garyounis University, Diploma in Specialized Surgery, 1994, Vienna University, Facharzt for Oral and Maxillofacial Surgery, 1997, Vienna University, Fellowship of the postgraduate Commission, 1997, Vienna University, Assistant Prof.
14. Elmahdi A-b. M., B.D.S., 1980, University of Khartoum, M.Sc., 1995, (Oral Medicine) Belfast University, Lecturer.
15. El sayed M. A-A. M., B.D.S., 1990, Mansoura University, M.Sc., 1996, Mansoura University, Ph.D., 2002, (Cons. & Endo) Mainz University, Assistant Prof.
16. Hamdi M. J., B.D.S., 1994, Baghdad University, M.Sc., 2000, (Cons) Baghdad University, Lecturer.
17. Hashim, R., B.D.S., 1991, Baghdad University, M.Sc., 1999, (Prev) Otago University, Ph.D. (Prev), 2005, Otago University, New Zealand, Assistant Prof.



18. Hussain A. S., B.D.S., 1988, Baghdad University, M.Sc., 1993, (Pedo) Baghdad University, Lecturer.
19. Ismail A. I., B.D.S, 1965, Baghdad University, Ph.D., 1973, (Prosth) Dundee University, Associate Prof.
20. Jaber M. A., B.D.S., 1987, Garyunis University, M.Sc., 1993, University of Bristol, FDSRCSE, 1993, Edinburgh, FDSRCS, 1996, England, Ph.D. 1998, (Oral Surg) Eastman Dental Institute, University of London, Associate Prof.
21. Judeh A. T., D.D.S., 2002, Ajman University of Science & Technology, M.Sc., 2006, (Prosth) Jordan University of Science & Technology, Lecturer.
22. Khair Al-M. B., B.Sc., 1981, (Biol) Damascus University, M.Sc., 1985, (Biol) State Leningrad University, Ph.D., 1989, (Biol) Russian Academy of Sciences, Assistant Prof.
23. Kheder W. M., B.D.S, 1996, University of Mosul, M.Sc., 2001, (Cons) University of Mosul, Lecturer.
24. Naqi S. Z., M.B.B.S, 1998, Aligarh Muslim University, M.D., 2001, (H. Anatomy) Aligarh Muslim University, Lecturer.
25. Radhi A.R. A.H., M.B.Ch.B., 1974, Basra Medical College, Ph.D., 1983, (Physio) Southampton University, Assistant Prof.
26. Raghavan V., B.D.S., 1976, Bombay University, M.D.S., 1978, (M.R) Bombay University, Lecturer.
27. Rahim M. N., B.D.S., 1996, Manipal Academy of Higher Education, M.D.S., 1998, (Endo) Manipal Academy of Higher Education, MFGDP, 200 (Part I) Royal College, Lecturer.
28. Saeed M. H., B.D.S., 1993, Baghdad University, M.Sc., 1999, (Cons.) Baghdad University, Ph.D., 2003, (Cons.) Baghdad University, Assistant Prof.
29. Suliman A-H. A-M., B.D.S., 1977, Baghdad University, Certificate Operative Dentistry, 1988, University of Iowa, M.Sc., 1988, University of Iowa, M.Sc., 1989, University of Iowa, Ph.D., 1992, (Oper) University of Iowa, Professor.
30. Thomas S., B.D.S., 1995, The Tamil Nadu Dr. MGR Medical University, M.D.S., 1998, (Oral Surg) Manipal Academy of Higher Education, Membership in Oral & Maxillofacial Surgery, 2002, Royal College of Physicians & Surgeons of Glasgow, Diplomate of National Board of Examinations, 2003, National Board of Examinations, Membership in Oral Surgery, 2004, Royal College of Surgeons of Edinburgh, Assistant Prof.
31. Vijay G., B.D.S., 1977, University of Bangalore, M.D.S., 1984, (Perio) University of Mangalore, Lecturer.

### **Al-Fujairah Campus**

1. Aboobacker M. S., B.D.S., 1996, Mangalore University, M.D.S., 2001, (Prosth) Rajiv Gandhi University of Health Sciences, Lecturer
2. Abuhijleh E. M., D.D.S., 1997, Jordan University of Science and Technology, Ph.D., 2005, (Ortho) Ankara University, Assistant Professor



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## Location & Facilities

The College of Dentistry has two campuses located in Ajman and Fujairah. The facilities include: lecture rooms, laboratories, clinics, learning & information resources center and meeting room.

Recently a high-tech, state of art multi purpose complex has been completed, which includes the fully equipped auditorium, exhibition areas, University Central Library and Higher Administration offices

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