



1.	School	School of Dentistry
2.	Department	All
3.	Program title (Arabic)	دكتور في طب الأسنان
4.	Program title (English)	Doctor of Dental Surgery (DDS)

5. Components of Curriculum:

The curriculum for the bachelor's degree in DDS consists of (198) credit hours distributed as follows

Number	Type of requirement	Credit hours
First	University Requirements	27
Second	School of Science Requirements (Basic Sciences)	19
Third	School of Medicine Requirements (Basic Medical Sciences)	54
Fourth	School of Medicine Requirements (Clinical Medical Sciences)	4
Fifth	School of Arts Requirements	2
Sixth	King Abdullah II School for Information Technology Requirements	3
Seventh	School of Nursing Requirements	3
Eighth	School of Dentistry Requirements (Basic Dental Sciences)	23
Ninth	School of Dentistry Requirements (Clinical Dental Sciences)	63
	<u>Total</u>	198



6. Numbering System:

A- Department number

Number	Department
1	Oral and Maxillofacial Surgery, Oral Medicine, and Periodontology
2	Conservative Dentistry
3	Pediatric Dentistry, Orthodontics, and Preventive Dentistry.
4	Removable Prosthodontics

B- Course number

Domain number	Domain title	Domain number	Domain title
0	Dental Anatomy, Oral Histology and Occlusion	5	Oral Medicine, Oral Pathology, Screening and Oral diagnosis and Dental Radiology
1	Conservative Dentistry	6	Oral Surgery and Anesthesiology
2	Dental Materials	7	Orthodontics
3	Periodontics	8	Pediatric Dentistry and Preventive Dentistry
4	Prosthodontics	9	Law & Ethics in Dentistry

C- Course number consists of 7 digits

School	Department	Level	Serial number



First: University Requirements:

All students admitted to the university must apply for a degree examination in Arabic and English and the computer is prepared or approved by the university to determine their level. Based on the results of the examinations, either the student will study one or more of the requirements of the preparatory program.

Preparation Program Requirements (0 - 15 Credit Hours)						
	No.	Course Title	Course No.	Credit Hours	Prerequisites	Notes
	1	Basics of Arabic	3201099	3		Pass/Fail
	2	Arabic Languages Skills	3201100	3	3201099	Pass/Fail
	3	Basics of English	3202099	3		Pass/Fail
	4	English Language Skills	3202100	3	3202099	Pass/Fail
	5	Basics of Computing	1932099	3		Pass/Fail

Compulsory Requirements (18 Credit Hours)						
No.	Course Title	Course No.	Credit Hours	Prerequisites	Notes	
1	Military Science	2200100	3			
2	National Culture	3400100	3			
3	Learning & Research Skills	3400101	3	3202099		
				3201099		
				1932099		
4	Communication Skills	3400102	3	3400101		
5	Introduction to Philosophy and Critical Thinking	3400103	3	3400101		
6	Human Civilization	3400104	3			
7	Campus Life and Ethics	3400105	(Zero credit; one-hour weekly meeting)			



ELECTIVES**(9 Credit Hours)**

Elective courses: (9) credit hours to be chosen from the first, second and third groups mentioned below. The student has to choose one course from each of the groups.

(3 Credit hours From Each Group)
(First Group)

No.	Course Title	Course No.	Credit Hours	Prerequisites
1	Great Books	3400107	3	
2	Islam and Current Issues	0400101	3	
3	Arab-Islamic Civilization	2300101	3	
4	Jordan: History and Civilization	2300102	3	
5	Jerusalem	3400108	3	

Electives

(Second Group)

No.	Course Title	Course No.	Credit Hours	Prerequisites
1	Legal Culture	1000102	3	
2	Environmental Culture	0300102	3	
3	Physical Fitness Culture	1100100	3	
4	Islamic Culture	0400102	3	
5	Health Culture	0720100	3	

Electives

(Third Group)

No.	Course Title	Course No.	Credit Hours	Prerequisites
1	Entrepreneurship & Creativity	3400109	3	
2	Foreign Language	2200103	3	
3	Electronic Commerce	1600100	3	
4	Social Media	1900101	3	
5	Appreciation of Arts	2000100	3	
6	Special Subject	3400106	3	

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الخطفه الدراسيه

Second: School of Science Requirements (Basic Sciences): (19) credit hours:

Course Number	Course Title	Contact Hours		Credit Hours	Pre-requisite
		Theoretical	Practical		
0303101	General Chemistry 1	3	-	3	-
0304101	General Biology 1	3	-	3	-
0342105	Physics for medicine and dentistry	3	-	3	-
0333233	Organic Chemistry for non-chemistry majors	3	-	3	
0304105	Cytology and molecular Biology	4	-	4	-
0301131	Principles of Statistics	3	-	3	
	TOTAL			19	

Third: School of Medicine Requirements (Basic Medical Sciences): (54) credit hours:

Course Number	Course Title	Contact Hours		Credit Hours	Pre-requisite
		Theoretical	Practical		
0502109	Anatomy and Embryology	3	2	4	-
0501110	Introduction to Physiology	2	-	2	-
0502111	General Histology	1	2	2	-
0552220	Anatomy & Embryology of the Head and Neck	3	2	4	
0552221	Histology of body systems	2	2	3	
0551228	Physiology 1	3	2	4	
0551230	Biochemistry 1	3	-	3	
0552222	Neuroanatomy for dental students	1	2	2	
0551229	Physiology 2	3	-	3	
0551231	Biochemistry 2	4	-	4	
0544311	Pathology 1	3	2	4	
0544313	Microbiology 1	3	2	4	
0543201	Pharmacology 1	3	-	3	
0544312	Pathology 2	3	-	3	
0544314	Microbiology 2	3	-	3	
0544315	Genetics	1	-	1	
0543202	Pharmacology 2	2	-	2	
0535502	Community Medicine, Epidemiology and Biostatistics	3	-	3	
	TOTAL			54	



Fourth: School of Medicine Requirements (Clinical Medical Sciences): (4) credit hours:

Course Number	Course Title	Contact Hours		Credit Hours	Pre-requisite
		Theoretical	Practical		
0508410	Internal Medicine for dental students	1	2	2	
0547411	General Surgery for dental students	1	2	2	
TOTAL				4	

Fifth: School of Arts Requirements: (2) credit hours:

Course Number	Course Title	Contact Hours		Credit Hours	Pre-requisite
		Theoretical	Practical		
2307271	Psychology for dental students	2	-	2	-
TOTAL				2	

**Sixth: School of King Abdullah II School for Information Technology Requirements:
(3) credit hours:**

Course Number	Course Title	Contact Hours		Credit Hours	Pre-requisite
		Theoretical	Practical		
1902103	Computer skills for medical students	3	-	3	-
TOTAL				3	

Seventh: School of Nursing Requirements: (3) credit hours:

Course Number	Course Title	Contact Hours		Credit Hours	Pre-requisite
		Theoretical	Practical		
0701217	Principles of First Aid	3		3	
TOTAL				3	

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الخطة الدراسية المحدثة

Eighth: School of Dentistry Requirements (Basic Dental Sciences) : (23) credit hours:

Course Number	Course Title	Contact Hours		Credit Hours			
		Theor.	Pract.	1 st semester	2 nd semester	Summer semester	Total
1302203	Dental Anatomy (Theory)	1	-	1	-	-	1
1302204	Dental Anatomy (Practical)	-	2	1	-	-	1
1301203	Oral Histology (Theory)	1	-	-	1	-	1
1301204	Oral Histology (Practical)	-	2	-	1	-	1
1302221	Dental Materials 1 (Theory)	1	-	-	1	-	1
1302315	Conservative Dentistry 1 * (Theory)	1	-	1	1	-	2
1302316	Conservative Dentistry 1 * (Practical)	-	2	1	1	-	2
1302317	Conservative Dentistry 2 Endodontics (Theory)	1	-	1	-	-	1
1302320	Conservative Dentistry 2 * Endodontics (Practical)	-	2	1	1	-	2
1304343	Prosthodontics 1 * (Theory)	1	-	1	1	-	2
1304344	Prosthodontics 1 * (Practical)	-	4	2	2	-	4
1302303	Occlusion (Theory)	1	-	1	-	-	1
1301354	Oral Pathology 1 (Theory)	1	-	-	-	1	1
1301352	Oral Pathology (Practical)	-	1	-	-	0.5	0.5
1301353	Dental Radiology 1 (Theory)	1	-	-	-	1	1
1301355	Introduction to Clinical Dentistry and Oral Diagnosis (Theory)	1	-	-	-	1	1
1301356	Introduction to Clinical Dentistry and Oral Diagnosis (Practical)	-	1	-	-	0.5	0.5
	TOTAL						23



Ninth: School of Dentistry Requirements (Clinical Dental Sciences) : (63) credit hours:

Course Number	Course Title	Contact Hours		Credit Hours			
		Theor.	Pract.	1 st semester	2 nd semester	Summer semester	Total
1302415	Conservative Dentistry 3* (Theory)	1	-	1	1	-	2
1302416	Conservative Dentistry 3 * (Practical)	-	6	3	3	-	6
1302417	Conservative Dentistry 4 Crown & Bridge (Theory)	1	-	1	-	-	1
1302420	Conservative Dentistry 4 * Crown & Bridge (Practical)	-	2	1	1	-	2
1302421	Dental Materials 2 (Theory)	1	-	1	-	-	1
1301433	Periodontics 1 * (Theory)	1	-	1	1	-	2
1301434	Periodontics 1* (Practical)	-	1	-	0.5	-	0.5
1304445	Prosthodontics 2* (Theory)	1	-	1	1	-	2
1304446	Prosthodontics 2* (Practical)	-	2	1	1	-	2
1301454	Oral Pathology 2 (Theory)	1	-	1	-	-	1
1301455	Oral Medicine 1* (Theory)	1	-	1	1	-	2
1301456	Screening and Oral diagnosis * (Practical)	-	1	0.5	0.5	-	1
1301457	Dental Radiology (Clinical)	-	1	0.5	-	-	0.5
1301465	Oral Surgery 1 * (Theory)	1	-	1	1	-	2
1301466	Oral Surgery 1 * (Practical)	-	1	0.5	0.5	-	1
1301463	Anesthesiology (Theory)	1	-	1	-	-	1
1303473	Orthodontics 1 * (Theory)	1	-	1	1	-	2
1303474	Orthodontics 1* (Practical)	-	1	0.5	0.5	-	1
1303485	Pediatric Dentistry 1 (Theory)	1	-	-	1	-	1
1303488	Pediatric Dentistry 1 (Practical)	-	2	-	1	-	1
1303483	Preventive Dentistry 1 (Theory)	1	-	-	1	-	1
1302513	Conservative Dentistry 5 * (Theory)	1	-	1	1	-	2
1302514	Conservative Dentistry 5 * (Practical)	-	6	3	3	-	6
1301533	Periodontics 2 (Theory)	1	-	1	-	-	1
1301534	Periodontics 2 * (Practical)	-	1	0.5	0.5	-	1
1304543	Prosthodontics 3 * (Theory)	1	-	1	1	-	2

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1304544	Prosthodontics 3 * (Practical)	-	4	2	2	-	4
1301553	Oral Medicine 2 (Theory)	1	-	1	-	-	1
1301556	Oral Medicine * (Practical)	-	2	0.5	0.5	-	1
1301555	Dental Radiology 2 (Theory)	1	-	1	-	-	1
1301563	Oral Surgery 2 * (Theory)	1	1	-	1	1	2
1301564	Oral Surgery 2 * (Practical)	-	1	0.5	0.5	-	1
1303573	Orthodontics 2 (Theory)	1	-	1	-	-	1
1303574	Orthodontics 2* (Practical)	-	1	0.5	0.5	-	1
1303585	Pediatric Dentistry 2 (Theory)	1	-	1	-	-	1
1303586	Pediatric Dentistry 2 * (Practical)	-	2	1	1	-	2
1303583	Preventive Dentistry 2 (Theory)	1	-	1	-	-	1
1303587	Community Dental Health	1	-	-	1	-	1
1303591	Law and Ethics in Dentistry (Theory)	1	-	-	1	-	1
	TOTAL						63

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Oral and Maxillofacial Surgery, Oral Medicine, and Periodontology

Course Number	Course Title	Contact Hours		Credit Hours			
		Theor.	Pract.	1 st semester	2 nd semester	Summer semester	Total
1301203	Oral Histology (Theory)	1	-	-	1	-	1
1301204	Oral Histology (Practical)	-	2	-	1	-	1
1301354	Oral Pathology 1 (Theory)	1	-	-	-	1	1
1301352	Oral Pathology (Practical)	-	1	-	-	0.5	0.5
1301353	Dental Radiology 1 (Theory)	1	-	-	-	1	1
1301355	Introduction to Clinical Dentistry and Oral Diagnosis (Theory)	1	-	-	-	1	1
1301356	Introduction to Clinical Dentistry and Oral Diagnosis (Practical)	-	1	-	-	0.5	0.5
1301433	Periodontics 1 * (Theory)	1	-	1	1	-	2
1301434	Periodontics 1* (Practical)	-	1	-	0.5	-	0.5
1301454	Oral Pathology 2 (Theory)	1	-	1	-	-	1
1301455	Oral Medicine 1* (Theory)	1	-	1	1	-	2
1301456	Screening and Oral diagnosis * (Practical)	-	1	0.5	0.5	-	1
1301457	Dental Radiology (Clinical)	-	1	0.5	-	-	0.5
1301465	Oral Surgery 1 * (Theory)	1	-	1	1	-	2
1301466	Oral Surgery 1 * (Practical)	-	1	0.5	0.5	-	1
1301463	Anesthesiology (Theory)	1	-	1	-	-	1
1301533	Periodontics 2 (Theory)	1	-	1	-	-	1
1301534	Periodontics 2 * (Practical)	-	1	0.5	0.5	-	1
1301553	Oral Medicine 2 (Theory)	1	-	1	-	-	1
1301556	Oral Medicine * (Practical)	-	2	0.5	0.5	-	1
1301555	Dental Radiology 2 (Theory)	1	-	1	-	-	1
1301563	Oral Surgery 2 * (Theory)	1	1	-	1	1	2
1301564	Oral Surgery 2 * (Practical)	-	1	0.5	0.5	-	1

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Conservative Dentistry

Course Number	Course Title	Contact Hours		Credit Hours			
		Theor.	Pract.	1 st semester	2 nd semester	Summer semester	Total
1302203	Dental Anatomy (Theory)	1	-	1	-	-	1
1302204	Dental Anatomy (Practical)	-	2	1	-	-	1
1302221	Dental Materials 1 (Theory)	1	-	-	1	-	1
1302315	Conservative Dentistry 1 * (Theory)	1	-	1	1	-	2
1302316	Conservative Dentistry 1 * (Practical)	-	2	1	1	-	2
1302317	Conservative Dentistry 2 Endodontics (Theory)	1	-	1	-	-	1
1302320	Conservative Dentistry 2 * Endodontics (Practical)	-	2	1	1	-	2
1302303	Occlusion (Theory)	1	-	1	-	-	1
1302415	Conservative Dentistry 3* (Theory)	1	-	1	1	-	2
1302416	Conservative Dentistry 3 * (Practical)	-	6	3	3	-	6
1302417	Conservative Dentistry 4 Crown & Bridge (Theory)	1	-	1	-	-	1
1302420	Conservative Dentistry 4 * Crown & Bridge (Practical)	-	2	1	1	-	2
1302421	Dental Materials 2 (Theory)	1	-	1	-	-	1
1302513	Conservative Dentistry 5 * (Theory)	1	-	1	1	-	2
1302514	Conservative Dentistry 5 * (Practical)	-	6	3	3	-	6



Pediatric Dentistry, Orthodontics, and Preventive Dentistry.

Course Number	Course Title	Contact Hours		Credit Hours			Total
		Theor.	Pract.	1 st semester	2 nd semester	Summer semester	
1303473	Orthodontics 1 * (Theory)	1	-	1	1	-	2
1303474	Orthodontics 1* (Practical)	-	1	0.5	0.5	-	1
1303485	Pediatric Dentistry 1 (Theory)	1	-	-	1	-	1
1303488	Pediatric Dentistry 1 (Practical)	-	2	-	1	-	1
1303483	Preventive Dentistry 1 (Theory)	1	-	-	1	-	1
1303573	Orthodontics 2 (Theory)	1	-	1	-	-	1
1303574	Orthodontics 2* (Practical)	-	1	0.5	0.5	-	1
1303585	Pediatric Dentistry 2 (Theory)	1	-	1	-	-	1
1303586	Pediatric Dentistry 2 * (Practical)	-	2	1	1	-	2
1303583	Preventive Dentistry 2 (Theory)	1	-	1	-	-	1
1303587	Community Dental Health	1	-	-	1	-	1
1303591	Law and Ethics in Dentistry (Theory)	1	-	-	1	-	1



Removable Prosthodontics

Course Number	Course Title	Contact Hours		Credit Hours			Total
		Theor.	Pract.	1 st semester	2 nd semester	Summer semester	
1304343	Prosthodontics 1 * (Theory)	1	-	1	1	-	2
1304344	Prosthodontics 1 * (Practical)	-	4	2	2	-	4
1304445	Prosthodontics 2* (Theory)	1	-	1	1	-	2
1304446	Prosthodontics 2* (Practical)	-	2	1	1	-	2
1304543	Prosthodontics 3 * (Theory)	1	-	1	1	-	2
1304544	Prosthodontics 3 * (Practical)	-	4	2	2	-	4



Tenth: Advisory Study Plan

First Year

Semester	Course No.	Course Title	Credit hours
First	0303101	General Chemistry 1	3
	0304101	General Biology 1	3
	0342105	Physics for medicine and dentistry	3
	1902103	Computer skills for medical students	3
	0301131	Principles of Statistics	3
	Total		15
Second	0333233	Organic Chemistry for non-chemistry majors	3
	0304105	Cytology and molecular Biology	4
	0502109	Anatomy and Embryology	4
	0501110	Introduction to Physiology	2
	0502111	General Histology	2
	Total		15
Summer	-	University Elective	3
	-	University Elective	3
	-	University Elective	3
	-	University Elective	3
	-	University Elective	3
	Total		15



Second Year

Semester	Course No.	Course Title	Credit hours
First	0552220	Anatomy & Embryology of the Head and Neck	4
	0552221	Histology of body systems	3
	0551228	Physiology 1	4
	0551230	Biochemistry 1	3
	1302203	Dental Anatomy (Theory)	1
	1302204	Dental Anatomy (Practical)	1
	Total		16
Second	0552222	Neuroanatomy for dental students	2
	0551229	Physiology 2	3
	0551231	Biochemistry 2	4
	1301203	Oral Histology (Theory)	1
	1301204	Oral Histology (Practical)	1
	1302221	Dental Materials 1 (Theory)	1
	0701217	Principles of First Aid	3
	Total		15
Summer		University Elective	3
	Total		12



Third Year

Semester	Course No.	Course Title	Credit Hours
First	0544311	Pathology 1	4
	0544313	Microbiology 1	4
	0543201	Pharmacology 1	3
	1302315	Conservative Dentistry 1 * (Theory)	1
	1302316	Conservative Dentistry 1 * (Practical)	1
	1302317	Conservative Dentistry 2 Endodontics (Theory)	1
	1302320	Conservative Dentistry 2* Endodontics (Practical)	1
	1304343	Prosthodontics 1 * (Theory)	1
	1304344	Prosthodontics 1 * (Practical)	2
	Total		18
Second	0544312	Pathology 2	3
	0544314	Microbiology 2	3
	0544315	Genetics	1
	0543202	Pharmacology 2	2
	0535502	Community Medicine, Epidemiology and Biostatistics	3
	1302315	Conservative Dentistry 1 * (Theory)	1
	1302316	Conservative Dentistry 1 * (Practical)	1
	1302320	Conservative Dentistry 2* Endodontics (Practical)	1
	1304343	Prosthodontics 1 * (Theory)	1
	1304344	Prosthodontics 1 * (Practical)	2
	1302303	Occlusion (Theory)	1
	Total		19
Summer	1301354	Oral Pathology 1 (Theory)	1
	1301352	Oral Pathology (Practical)	0.5
	1301353	Dental Radiology 1 (Theory)	1
	1301355	Introduction to Clinical Dentistry and Oral Diagnosis (Theory)	1
	1301356	Introduction to Clinical Dentistry and Oral Diagnosis (Practical)	0.5
	2307271	Psychology for dental students	2
	Total		6

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Fourth Year

Semester	Course No.	Course Title	Credit Hours
First	1302415	Conservative Dentistry 3* (Theory)	1
	1302416	Conservative Dentistry 3 * (Practical)	3
	1302417	Conservative Dentistry 4 Crown & Bridge (Theory)	1
	1302420	Conservative Dentistry 4* Crown & Bridge (Practical)	1
	1304445	Prosthodontics 2* (Theory)	1
	1304446	Prosthodontics 2* (Practical)	1
	1302421	Dental Materials 2 (Theory)	1
	1301433	Periodontics 1 * (Theory)	1
	1301454	Oral Pathology 2 (Theory)	1
	1301455	Oral Medicine 1* (Theory)	1
	1301456	Screening and Oral diagnosis * (Practical)	0.5
	1301457	Dental Radiology (Clinical)	0.5
	1301465	Oral Surgery 1 * (Theory)	1
	1301466	Oral Surgery 1 * (Practical)	0.5
	1301463	Anesthesiology (Theory)	1
	1303473	Orthodontics 1 * (Theory)	1
	1303474	Orthodontics 1* (Practical)	0.5
	0508410	Internal Medicine for dental students	2
	Total		19
Second	1302415	Conservative Dentistry 3 * (Theory)	1
	1302416	Conservative Dentistry 3 * (Practical)	3
	1302420	Conservative Dentistry 4 * Crown & Bridge (Practical)	1
	1304445	Prosthodontics 2* (Theory)	1
	1304446	Prosthodontics 2* (Practical)	1
	1301433	Periodontics 1* (Theory)	1
	1301434	Periodontics 1* (Practical)	0.5
	1301455	Oral Medicine 1 * (Theory)	1
	1301456	Screening and Oral diagnosis * (Practical)	0.5

1301463	Oral Surgery 1 * (Theory)	1
1301466	Oral Surgery 1 * (Practical)	0.5
1303473	Orthodontics 1 * (Theory)	1
1303474	Orthodontics 1 * (Practical)	0.5
1303485	Pediatric Dentistry 1 (Theory)	1
1303488	Pediatric Dentistry 1 (Practical)	1
1303483	Preventive Dentistry 1 (Theory)	1
0547411	General Surgery for dental students	2
Total		18

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الخطة الدراسية المعتمدة

Course Description



Faculty of Dentistry
University of Jordan



First Year / Preparatory Year in Medicine and Dentistry

General Chemistry 1

Pre-request (none)

This course is designed to give a general overview of the basic concepts of chemistry. Topics to be covered include: matter and measurements, stoichiometry, chemical reactions, gases, atomic structure, chemical bonding, properties of solutions, thermochemistry, reaction kinetics, and equilibrium.

General Biology 1

Pre-request (none)

This course introduces students to the principles and concepts of biology. It emphasizes on biological chemistry, cell structure and function, cellular metabolism, and cell division. In addition, to emphasize on organisms, biodiversity, plant and animal life. In addition, students are made familiar with the basics of genetics; molecular biology, and biotechnology.

Physics for medicine and dentistry

Pre-request (none)

This course provides students with a clear and logical presentation of the basic principles of physics that are relevant to the medical field. The main topics include: Newton's laws of motion, statistical equilibrium, work and energy, temperature, the first law of thermodynamics, thermal properties of matter, mechanics of fluids, lenses and the human eye. In addition to radioactivity; interaction of radiation with matter, harmful effects of radiation and applications of radiation in medicine.

Computer skills for medical students

3 Credit Hour

Pre-request (none)

This course provides an overview of the Internet, Internet protocols and the World Wide Web. It includes: Internet technology and its various services such as emails, FTP, remote control and chat. Study the principles of navigation, search engines and portals, design and implement websites using Hypertext Markup Language and include how to add images, links, lists, tables, forms, frames to web pages. Students will be introduced to using Cascading Style Sheets and JavaScript.

Principles of Statistics

3 Credit Hour

Pre-request (none)

This course aims to provide students with the basic concepts in descriptive statistics, topics include statistical data on random phenomena and their description by scheduling and extracting calculations such as measures of concentration, dispersion and graphical representation of statistical data in preparation for use in the inferential statistics, and the graphical representation of data. The course also includes basic health applications.

**Organic Chemistry for non-chemistry
majors**

3 Credit Hour

Pre-request (none)

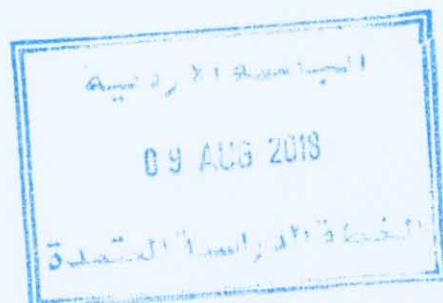
The organic chemistry component covers: the structure and properties of all functional groups of organic compounds including hydrocarbons, alkanes, cycloalkanes, alkenes, alkynes, aromatic compounds, halides, alcohols, phenols, ethers, amines, carbonyl compounds and carboxylic acids. The stereochemistry of organic compounds will be discussed. Applications related to medicine will be given throughout the course.

Cytology and molecular biology

4 Credit Hour

Pre-request (none)

This course provides students with a comprehensive description of cellular biology from functional and structural prescriptive, it also explains cellular division and changes and genetic composition. In addition, to introduction to biochemistry through the study of composition of biological molecules and their function, including water properties and pH and its role in cellular function.



Anatomy and embryology

4 Credit Hour

Pre-request (none)

The objective of this course is to introduce students to general human anatomy enabling them to distinguish between various anatomical structures. The course covers the general features of the upper and lower limbs with their nerve and blood supply. The course also focuses on the general features of the thoracic cavity and its main organs such as the heart, major blood vessels and lungs, the main organs of the abdominal cavity and an overview of the central nervous system. In addition, the course includes a general overview of the fetal development; from fertilization, implantation, the subsequent development of the embryo within the uterus until birth, it also includes the study of the placental formation, the surrounding tissues, and the organogenesis with a focus on certain diseases associated with fetal development. The practical component to be delivered in the dissection room (2 hours/week) to cover the theory topics.

Introduction to Physiology

2 Credit Hour

Pre-request (none)

This course is designed to provide students with an understanding of the function and regulation of the human body and physiological integration of the organ systems to maintain homeostasis. Course content will include neural and hormonal homeostatic control mechanisms, blood and body fluids, musculoskeletal, cardiovascular system, respiratory system, digestive system, genitourinary system, autonomic nervous system, central nervous system, reproductive system, endocrine system and special senses.

General Histology

2 Credit Hour

Pre-request (none)

The course covers aspects related to basic tissues; epithelium, connective tissue (including: adipose tissue, bone and cartilage), muscles and nerves. The theory component to be delivered through lectures on microscopic and submicroscopic structure of cells and tissues of the human body. The practical component to be delivered as laboratory sessions (2 hours/week), to examine and analyze light and electron microscopic features of tissues.



Second Year

0502220

Anatomy and Embryology of the Head and Neck

4Credit Hour

Pre-request (none)

This course is designed to provide students with detailed knowledge about the anatomical structures of the head and neck and their clinical relevance. It includes the bones of the skull, the structure of the scalp, muscles of facial expressions, the cranial cavity and its contents, muscles of mastication, the temporomandibular joint (TMJ), the infra-temporal and pterygopalatine fossa, the nose, the mouth and tongue. The course also includes the cervical bones, the fascial coverings of the neck, cervical plexus, triangles of the neck, pharynx, larynx, orbital cavity and the ear. The course also focuses on the development of the head and neck and their common congenital anomalies. The practical component to be delivered in the dissection room (2 hours/2 times weekly) to cover the theoretical topics.

0502221

Histology of body systems

3Credit Hour

Pre-request (none)

This course is designed to cover the main histological features of major body systems including cardiovascular, lymphatic, gastrointestinal, respiratory, endocrine, urinary system and their clinical correlations.

0541228

Physiology 1

3Credit Hour

Pre-request (none)

The core lectures are organized around a systems approach to the study of physiology, concentrating on each basic structural and functional unit of the human body. Emphasis is on understanding how cellular and organ systems function and how they are integrated and regulated by the body to maintain homeostasis. Human Physiology includes cellular, muscle and nerve physiology, cardiovascular, and gastrointestinal. It is primarily a lecture-based course.

0541230

Biochemistry 1

3Credit Hour

Pre-request (none)

This three-credit hour course is mandatory for second-year dental students. The course is designed to introduce dental students to biochemistry via covering the basic concepts of structures and functions of macromolecules, detailed information of enzymes, their mechanisms of action, regulation and their association to medicine, as well as cofactors critical for enzyme function. Also basic topics of molecular biology will be covered along with the basic molecular mechanisms and techniques applied.



1302103

Dental Anatomy (Theory)

1Credit Hour

Pre-request (none)

This course explores the morphology of teeth and their supporting tissues "detailed description of the structure and external shape of each individual tooth, both primary and permanent teeth". It also describes eruption of teeth and resorption and exfoliation of primary teeth, also occlusion is discussed.

1302104

Dental Anatomy (Practical)

1Credit Hour

Pre-request (none)

This course aims to assist the student to acquire skills and knowledge related to the dental anatomy through drawing , carving of selected permanent teeth and through identification of natural teeth both permanent and primary.

0502222

Neuroanatomy for dental students

2Credit Hour

Pre-request (none)

This course is designed to cover the central and peripheral nervous systems, sympathetic and parasympathetic nervous systems. It also covers the gross appearance of the spinal cord, its tracts and blood supply. It describes the brain and its ventricular system, cerebrospinal fluid, blood supply, brainstem, cerebellum, reticular formation, the limbic system, basal ganglia, thalamus and cranial nerves with their associated major clinical correlations.

0541229

Physiology 2

4Credit Hour

Pre-request (none)

This medical physiology course is designed to provide students with an understanding of the physiological principles needed for the practice of dental profession. It covers a range of topics from the integrated physiology of organ systems. The course covers respiratory physiology, physiology of the endocrine system, physiology of renal system, as well as the neurophysiology of the central nervous system and special senses. It is primarily a lecture-based course.

0541231

Biochemistry 2

4Credit Hour

Pre-request (none)

This four -credit hours course is mandatory for second-year dental students. The course is preceded by biochemistry I where the introduction to biochemistry via covering the basic concepts of structures and functions of macromolecules has been given. In this course, a detailed description of the various metabolic processes will be given. This includes structure-function relationship of specific proteins, metabolism of energy, carbohydrates, lipids, proteins, and nucleic acids, followed by a brief material that covers nutrition and vitamins with respect to the human body.

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الخطابة الدراسية

1301203	Oral Histology (Theory)	1 Credit Hour
Pre-request (none)		

This course covers the detailed histology of the oral tissues, in addition to the embryonic development of oro-facial structures. Material covered includes the histology and development of enamel, dentine, periodontium, salivary glands, maxillary sinus, oral murosa and the temporomandibular joint. Also covered in this course is the embryonic development of the face and the early stages of tooth formation.

1301204	Oral Histology (Practical)	1 Credit Hour
Pre-request (none)		

This course aims to provide the students with skills and knowledge to identify histological sections of the oral region. By the end of the course, students should be able to identify different types of histological sections and to identify the histological appearance of all the oral and dental tissues. Head and neck embryology is briefly discussed through seminars prepared and presented by the students.

1302221	Dental Materials 1 (Theory)	1 Credit Hour
Pre-request (none)		

This course discusses the biological, chemical, and physical properties of biomaterials used in dentistry and their applications.

0701217	Principles of First Aid	2 Credit Hour
Pre-request (none)		

The course prepares students for carrying out the basic emergency care. The purpose of this course is to train dental students to respond appropriately to emergency situations. The course also teach students to recognize emergencies, make first aid decisions, and provide care with accessible resources.



Third Year

0544311

Pathology 1

4 Credit Hours

Pre-request (none)

This four-credit hour course is mandatory for third-year dental students. The course is designed to introduce dental students to pathology via covering the basic pathology including cell injury, inflammation, neoplasia, and circulatory disorders. In addition diseases of cardiovascular, respiratory and hematology systems are covered in the first semester.

0544313

Microbiology 1

4 Credit Hours

Pre-request (none)

This course is intended to introduce basic and important characteristics of normal body flora, bacteria causing human infection as well as how to diagnose, control and prevent such diseases. It is also intended to introduce basic concepts of immunology, the body defense mechanisms against infection by micro-organisms, together with diseases that are a result of immune system dysfunction

0543201

Pharmacology 1

3 Credit Hours

Pre-request (none)

This course explores pharmacodynamics, pharmacokinetics, drug actions and interactions. Also the course focuses on fundamental principles in systems pharmacology and their applications, with emphasis on dental applications and implications of the drugs affecting each system.

0544312

Pathology 2

3 Credit Hours

Pre-request (none)

This three credit hour course is mandatory for third-year dental students. The course is designed to introduce dental students to systematic pathology via covering the pathology of the head and neck, GI tract, Male and female genital systems as well as renal and musculoskeletal system.



0544314	Microbiology 2	3 Credit Hours
Pre-request (none)		

This course is intended to introduce basic and important characteristics of viruses, fungi and parasites causing human disease as well as how to diagnose, control and prevent such diseases. It is also intended to introduce basic concepts of oral immunology and the normal flora of the oral cavity.

0544315	Genetics	1 Credit Hours
Pre-request (none)		

This is a one-credit hour course for third-year dentistry students. The course is designed to introduce students to the basics of genetics in relation to various genetic disorders.

0543202	Pharmacology 2	2 Credit Hours
Pre-request (none)		

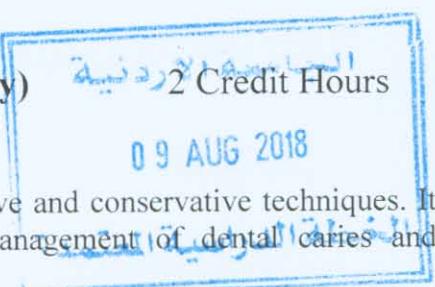
The course is a continuation of pharmacology 1 course. The course continues on fundamental principles in systems pharmacology and their applications, with emphasis on dental applications and implications of the drugs affecting each system.

0543202	Community Medicine, Epidemiology and Biostatistics	2 Credit Hours
Pre-request (none)		

This course emphasize on the nature and characteristics of the most commonly used statistical techniques (data collection, sampling principles, graphical techniques for data display, probability distributions, parametric estimation and testing techniques, simple linear regression and correlation, multiple regression, categorical data analysis, and ANOVA), and their applicability to specific health care problems within the context of medicine. Statistical concepts will be presented and enhanced through the use of numerous “real life” data sets for describing central tendency and variability in data; statistical hypothesis testing and its application to group comparisons; issues of power and sample size in study designs; and random sample and other study types will be emphasized.

1302315	Conservative Dentistry 1 (Theory)	2 Credit Hours
Pre-request (none)		

This course discusses the process of caries and its control by preventive and conservative techniques. It emphasizes the sound understanding of the basic principles of management of dental caries and placement of different restorative materials.



1302316

Conservative Dentistry 1 (Practical)

2 Credit Hours

Pre-request (none)

This course introduces the student to explore and understand materials and instrument used in restoration of teeth with emphasis on patient and practitioner position during treatment. This course assists the student to apply performance to operative procedures and cavity preparation on simulator.

1302317

**Conservative Dentistry 2 Endodontics
(Theory)**

1 Credit Hour

Pre-request (none)

This course discusses the anatomy, histology biology and physiology of the dental pulp and its reaction to any type of aggression and aging. It pays special attention to diagnosis of pulp pathology and discusses the conventional and modern technique used in Endodontics.

1302320

**Conservative Dentistry 2 Endodontics
(Practical)**

2 Credit Hours

Pre-request (none)

This course is designed to give students the basic manual dexterity to perform all phases of root canal treatment on anterior and posterior teeth and understand the indications and contraindications of endodontic therapy and the role to be played to maintain the patient's dentition in conjunction with other dental discipline.

1302303

Occlusion (Theory)

1 Credit Hour

Pre-request (none)

This course discusses the principles of occlusion with emphasis on the anatomy and physiology of occlusion. It pays special attention to its understanding to the different fields of dentistry and its interaction with other dental sciences and specialties.

1304343

Prosthodontics 1 (Theory)

2 Credit Hours

Pre-request (none)

This course discusses the principles of removable Prosthodontics. Besides reviewing the relevant anatomy and physiology of the craniofacial region and occlusion, it explores equipment, instruments, materials and various steps of procedures and techniques used for the construction of complete and partial removable dentures with interest to characterization of dentures basis for esthetics.

1304344

Prosthodontics 1 (Practical)

4 Credit Hours

Pre-request (none)

Throughout the course; by talks, demonstration and laboratory work the student is assisted to understand and to construct step by step complete and removable partial dentures. The course emphasizes the well understanding of dental materials used, their manipulation and technical work achieved by both the practitioner and the technician.

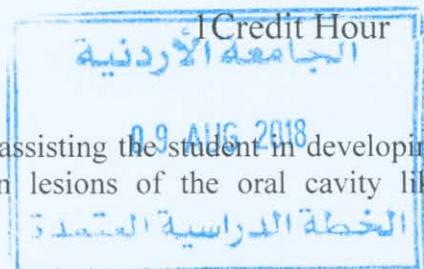
1301354

Oral Pathology 1 (Theory)

1 Credit Hour

Pre-request (none)

This course introduces the advanced oral pathology design aiming at assisting the student in developing skills in the differential diagnosis of dental diseases and common lesions of the oral cavity like



developmental disorders, caries and periodontal disease, cysts, connective tissue lesions and oral epithelial lesions.

1301352 **Oral Pathology (Practical)** 0.5 Credit Hour
Pre-request (none)

This course focuses on the ability of the student to recognize and describe the common lesions of the oral cavity and the region of the head and neck. Also it assists the student in developing a sound rational diagnostic aids and procedures used in differential diagnosis.

1301353 **Dental Radiology 1 (Theory)** 1 Credit Hour
Pre-request (none)

This course introduces the basic information of X-ray production, X-ray interaction with material and radiographic image production. The course focuses on the fundamental concepts of patient protection, radiographic techniques and image interpretation.

1301355 **Introduction to Clinical Dentistry and Oral Diagnosis (Theory)** 1 Credit Hour
Pre-request (none)

This course introduces the clinical dentistry and combines the basic scientific information. It pays special attention to the newer development in history-taking and patient-evaluation techniques, including a review of the diverse approaches now used both in instructional and clinical setting. Also, the course focuses on drugs used in dentistry, occupational hazards and cross infection.

1301356 **Introduction to Clinical Dentistry and Oral Diagnosis (Practical)** 0.5 Credit Hour

Pre-request (none)

This course familiarizes the student with the dental offices environment and receiving patients. The student is taught to perform a thorough evaluation, taking dental and medical histories, examination of the patients, take necessary intra-oral radiographs, make differential diagnosis and develop a treatment plan that takes all relevant information into account.

230271 **Psychology for dental students** 2 Credit Hour
Pre-request (none)

This course provides the necessary knowledge related to the importance of Psychology in dental practice and its clinical relevance.



Fourth Year

1302415 **Conservative Dentistry 3 (Theory)** 2 Credit Hours

Pre-request (none)

This course aims at introducing the student to clinical conservative dentistry through reviewing the basics and principles of conservative dentistry. It emphasizes the importance of case evaluation, diagnosis and developing treatment plan, considerable emphasis is given to new restorative procedures and related dental materials.

1302416 **Conservative Dentistry 3 (Practical)** 6 Credit Hours

Pre-request (none)

This course introduces the student to clinical training and patient treatment. By fulfilling certain clinical requirements, the student throughout the course is assisted to acquire the clinical skills needed for examination of the patient, assessment, diagnosis, developing sound treatment planning, restoration of teeth and root canal therapy.

1302417 **Conservation Dentistry 4 Crown and Bridge (Theory)** 1 Credit Hour

Pre-request (none)

This course discusses the principles of fixed prosthesis including casted gold restorations, crowns and bridges. The course explores the various dental materials, equipment, procedures and techniques (clinical and laboratory work) used to construct the different types of fixed prosthesis and casted gold restorations.

1302420 **Conservative Dentistry 4 Crown and Bridge (Practical)** 2 Credit Hours

Pre-request (none)

This course assists the student during the training and working on simulator to acquire skills necessary for the preparation of crowns and bridges and casted gold restorations. The student is given the opportunity to demonstrate understanding of the techniques in the preparation of teeth and laboratory work.

الجامعة الأردنية

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جامعة الأردن

1302421 **Dental Materials 2 (Theory)** 1 Credit Hour

Pre-request (none)

This course deals with the most common materials used in dentistry. It emphasizes the handling and the appreciation of the various properties of these materials during clinical work. Dental materials related to laboratory work are also discussed, and the student is assisted in understanding and developing good knowledge of these materials used by the technician to satisfy the specific requirements of patients.

1304445

Prosthodontics 2 (Theory)

2 Credit Hours

Pre-request (none)

This course aims at introducing the student to clinical Prosthodontics through reviewing the basics and principles of removable prosthesis. It emphasizes the importance of selection of the case by examination, evaluation, diagnosis and treatment planning. It also explores the steps of construction (clinical and technical in laboratory), materials and equipment used starting by preparing the mouth for prosthesis and ending by denture insertion, post-insertion and recalls.

1304446

Prosthodontics 2 (Practical)

2 Credit Hours

Pre-request (none)

This course provides the opportunity to the student to acquire clinical skills needed for the construction of removable dentures. The student is assisted to treat clinical cases and to construct conventional types of removable prosthesis.

1301433

Periodontics 1 (Theory)

2 Credit Hours

Pre-request (none)

This course provides the student with basics and knowledge related to the anatomy and biology of periodontium. It emphasizes the important role of plaque and certain systemic diseases in the pathogenesis of periodontal diseases.

1301434

Periodontics 1 (Practical)

0.5 Credit Hour

Pre-request (none)

This course familiarizes the student with proper approach for taking dental and medical histories. Also, it introduces the student to instruments and methods used to maintain good oral health.

1301454

Oral Pathology 2 (Theory)

1 Credit Hour

Pre-request (none)

This course introduces the advanced oral pathology design aiming at assisting the student in developing skills in the differential diagnosis of dental diseases and common lesions of the oral cavity like white lesions, infections, ulcers, salivary gland disease, odontogenic tumours and bone disorders.

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1301455

Oral Medicine 1 (Theory)

2 Credit Hours

Pre-request (none)

This course discusses the principles of oral medicine and their effects on comprehensive treatment planning. The course reviews the common and rare oral conditions and diseases, in addition to exploring orofacial pain, cranial nerve disorders, psychiatric disorders in dentistry and hematological and bleeding disorders.

1301456

Screening and Oral diagnosis (Practical)

1Credit Hour

Pre-request (none)

The course provides the student with the opportunity to become familiar with history-taking and case presentation. Also, it familiarizes the student with the common oral conditions and diseases. Certain rare oral conditions and diseases are presented.

1301457

Dental Radiology 1 (Practical)

0.5 Credit Hour

Pre-request (none)

This course aims to teach the students how to perform basic intraoral radiographs and introduce them to normal radiographic anatomy. This course also makes the students able to choose the proper radiographic technique for certain clinical situations and identify clinically acceptable radiographs.

1301465

Oral Surgery 1 (Theory)

2 Credit Hours

Pre-request (none)

The course reviews the principles of oral surgery and sterilization. In addition to exploring exodontia and related subjects (anatomical considerations, instruments, techniques, instructions and complications), it discusses the basic principles of surgical extraction and special cases presented.

1301466

Oral Surgery 1 (Practical)

1Credit Hour

Pre-request (none)

This course familiarizes the student with local anesthesia techniques, instruments and methods used for simple cases of extraction of teeth with emphasis on history-taking (dental and medical).

1301463

Anesthesiology (Theory)

1Credit Hour

Pre-request (none)

This course reviews the anatomy of the oral and peri-oral structures with emphasis on the trigeminal nerve. In addition to exploring the neurophysiology of nerve impulse transmission, it pays special attention to pharmacology of local anesthetic agents and various types and technical procedures of local anesthesia administration and their complications. It also includes general anesthesia and intra-venous sedation in oral surgery.

1303473

Orthodontics 1 (Theory)

2Credit Hours

Pre-request (none)

The course introduces the concepts of orthodontics. It emphasizes the craniofacial development & facial growth. Development of normal occlusion is explored as well as the etiology & classification of malocclusion. Special attention is paid to biomechanical principles and tissue reactions. Orthodontic assessment, diagnostic aids, treatment planning and interception. Treatment of some types of malocclusion is presented.



1303474	Orthodontics 1 (Practical)	1Credit Hour
Pre-request (none)		

The course familiarizes the student through laboratory work with instruments & materials used in the construction of removable orthodontic appliances. Student is trained to acquire skills needed for the construction of these appliances.

1303485	Pediatric Dentistry 1 (Theory)	1Credit Hour
Pre-request (none)		

The course reviews the principles and scope of dentistry for children and adolescents. The course emphasizes importance of acquiring a comprehensive approach for management of pediatric dental patient; special attention is paid to behavior, personality, examination (Physical & dental) diagnosis, and treatment planning, pain and anxiety control. Clinical applications of differences between primary and permanent teeth are discussed, and eruption of teeth with changes of the dental arches that occur during the period of eruption are explored. The importance of understanding medical problems and handicap are emphasized during dental and oral management.

1303488	Pediatric Dentistry 1 (Practical)	1Credit Hour
Pre-request (none)		

This course is intended to prepare the student with an understanding of the basic concepts necessary for the successful diagnosis and treatment of the child in the primary, mixed and permanent dentitions. Laboratory and seminar experiences are combined to simulate the various dental procedures and handling of the materials and instruments used in the treatment of the pediatric dental patient.

1303483	Preventive Dentistry 1 (Theory)	1Credit Hour
Pre-request (none)		

This course introduces the concepts, principles and methods of prevention of dental caries and oral diseases with emphasis on primary preventive measures. The course aims at explaining that preventive dentistry is not a technique to prevent dental diseases, but a whole philosophy of practice.

0547411	General Surgery for dental students	2Credit Hour
Pre-request (none)		

This course will cover the basic surgical principles in the diagnosis and treatment for some conditions. The concentration will be on surgical conditions commonly met in the field of Dentistry. This will include surgeries for brain and spine, orthopedics and trauma, burns and plastic surgeries, and pediatric surgery.



Pre-request (none)

The course provides dental students with theoretical and clinical knowledge and concepts needed to provide dental care for patients safely. Students will learn basic clinical skills and examination skills and will be trained on how to use diagnostic tests. The course will provide an overview of the features and basic management of patients with certain diseases including cardiovascular disease, gastrointestinal disease, hematology and infectious diseases

Fifth Year

1302513	Conservative Dentistry 5 (Theory)	2 Credit Hours
Pre-request (none)		

This course discusses advances achieved in the field of conservative dentistry. It emphasizes the close relationship between conservative dentistry and other fields of dental sciences including Periodontic and oral surgery. The course pays special attention to occlusion, TMJ Dysfunction and its management, emergency treatment with emphasis on the role of Endodontics.

1302514	Conservative Dentistry 5 (Practical)	6 Credit Hours
Pre-request (none)		

This course provides the student with the opportunity to cover training in all the scope of conservative dentistry (operative, Endodontics, crowns and bridges) and to develop a comprehensive treatment plan according to the special requirement of the patient. The course pays special attention to the joint diagnosis and treatment planning closely made up by different dental disciplines.

1304543	Prosthodontics 3 (Theory)	2 Credit Hours
Pre-request (none)		

This course discusses problems and management of post-insertion complaints of the Prosthodontics patients. The course explores the special cases requiring removable prosthesis and proposes solutions and modified techniques and appliances. It pays special attention to those various techniques conditioned by the existing anatomical structures and socioeconomic factors. The course also discusses the interaction of Prosthodontics with other dental sciences and specialties with emphasis on T.M.J dysfunction and Implantology.

1304544	Prosthodontics 3 (Practical)	4 Credit Hours
Pre-request (none)		

Throughout the course and by treating clinical prosthodontic cases, the student is assisted to acquire the necessary skills in patient examination and assessment, diagnosis, treatment planning and construction of different types of removable dentures. It emphasizes management of special cases with understanding of basic principles and their scientific background together with the development of new clinical and technical skills.

1301533	Periodontics 2 (Theory)	1 Credit Hour
Pre-request (none)		

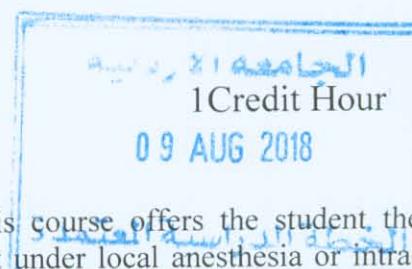
This course focuses on the management of periodontal diseases by both conservative and surgical methods. It emphasizes the relationship between operative dentistry, Prosthodontics, orthodontic treatment and periodontal involvement.

الجامعة الأردنية

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الخطوة الدراسية الثالثة

1301534	Periodontics 2 (Practical)	1Credit Hour
Pre-request (none)	This course allows the student to acquire the skills needed for examination, diagnosis, treatment planning and prognosis. It concentrates on invasive methods used to manage the periodontal diseases; mainly, these procedures which are related to different types of surgery including bone grafts and guided tissues regeneration membrane.	
Periodontics 2 (Practical)		
1301553	Oral Medicine 2 (Theory)	1Credit Hour
Pre-request (none)	This course reviews the oral manifestations of certain systemic diseases, endocrinopathy and AIDS. It pays special attention to management of medically compromised patients and medical emergencies in dentistry.	
Oral Medicine 2 (Theory)		
1301556	Oral Medicine (Practical)	1Credit Hour
Pre-request (none)	This course emphasizes the principles of oral medicine, oral diagnosis, investigations, differential diagnosis and treatment planning of oral diseases through case presentations and scheduled seminars. In additions, students are required to prepare projects on various oral medicine topics.	
Oral Medicine (Practical)		
1301555	Dental Radiology 2 (Theory)	1Credit Hour
Pre-request (none)	This course assists the student to understand the scope of radiographic interpretation and its interaction with all other clinical dental sciences. It assists the student in interpreting the radiographs in conjunction with the clinical findings.	
Dental Radiology 2 (Theory)		
1301563	Oral Surgery 2 (Theory)	2Credit Hours
Pre-request (none)	This course familiarizes the student with the treatment and management of pyogenic infection of soft tissues and inflammatory diseases of the bone. It also discusses the surgical procedures used in managing lesions of the oral cavity including soft tissue swellings, lesions of the jaws, odontogenic tumors, cysts of the jaws, tumors of the oral cavity, and the salivary glands disorders. The course emphasizes the interaction of oral surgery with other dental and medical specialties, with special attention paid to TMJ dysfunction, Implantology and injuries of the head and neck.	
Oral Surgery 2 (Theory)		
1301564	Oral Surgery 2 (Practical)	1Credit Hour
Pre-request (none)	In addition to training and acquiring skills needed for exodontia, this course offers the student the opportunity to assist and observe minor surgical procedures carried out under local anesthesia or intravenous sedation and major surgical procedures carried out under general anesthesia.	
Oral Surgery 2 (Practical)		



1303573	Orthodontics 2 (Theory)	1 Credit Hour
Pre-request (none)		

This course introduces the student to the principles of treatment of different types of malocclusion. Diagnoses, materials and techniques used are discussed. Also, treatment of special cases is presented.

1303574	Orthodontics 2 (Practical)	1 Credit Hour
Pre-request (none)		

The course introduces the student to clinical experience by treating simple orthodontic cases. It gives the student the opportunity to acquire the necessary skills for examination, assessment, diagnosis and development of treatment plan, treatment and recalls for follow-up of the case.

1303585	Pediatric Dentistry 2 (Theory)	1 Credit Hour
Pre-request (none)		

This course familiarizes the student with the special forms of caries occurring during childhood and adolescence. Operative procedures and modern concepts of dentistry for the child and adolescent are explored. Considerable emphasis is given throughout the course to prevention of dental caries and management of space problems. Also, the course discusses problems related to the eruption of teeth and oral manifestations of certain systemic diseases and syndromes. The course provides the student with the opportunity to acquire the skills and knowledge necessary for the diagnoses and proper treatment of pulpal involved primary and young permanent teeth. Considerable emphasis is given to treatment of injuries and several new treatment recommendations are included.

1303586	Pediatric Dentistry 2 (Practical)	2 Credit Hours
Pre-request (none)		

This clinical course focuses on skills that student should develop by covering examination, diagnoses, treatment planning, restoration of teeth, trauma, prevention of oral diseases, emergency care, pulp therapy, and other tooth related therapy.

1303583	Preventive Dentistry 2 (Theory)	1 Credit Hour
Pre-request (none)		

This course orients the student to consider the patient as a whole entity. Preventive dentistry covers all age groups and groups with special needs. It also compasses three levels of prevention where it prevents diseases before it occurs, stops its progression when they are present, rehabilitates the form and function at the earliest possible time when oral health is deteriorating.



1303587

Community Dental Health

1 Credit Hour

Pre-request (none)

This course introduces the concepts, principles and methods of epidemiology to dental caries, periodontal disease and other oral conditions. It also covers the assessing needs of the community, data analysis and planning and implementation of community programs.

1303591

Law and Ethics in Dentistry (Theory)

1 Credit Hour

Pre-request (none)

This course introduces the student to the profession's code of ethics. It emphasizes the legal and illegal aspects of practice. Also, it discusses the forensic dentistry and its scope.

