



**Ministry of Higher Education and Scientific Research  
Scientific Supervision and Scientific Evaluation Apparatus  
Directorate of Quality Assurance and Academic Accreditation  
Accreditation Department**

**Academic Program and  
Course Description Guide  
for the Department of  
Dentistry at Al- Manara  
College of Medical  
Sciences**

**2024**

## Academic Program Description Form

University Name: .....

Faculty/Institute: ...Al-mansara college of Medical Sciences

Scientific Department: ...Dentistry

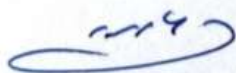
Academic or Professional Program Name: ...surgery and dentistry

Final Certificate Name: ...surgery and dentistry

Academic System: ...Yearly

Description Preparation Date: 2024/4/10

File Completion Date: 2024/4/13



Signature:

Head of Department Name:

2024/4/13

Date:



Signature

Scientific Associate Name

Mohammed Sawar

24/4/2024

Date

The file is checked by:

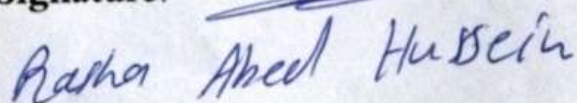
Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance

Department:

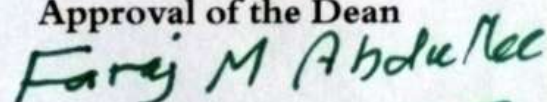
Date: 2024/4/13

Signature:



Rasha Aheed Hussein

Approval of the Dean



Faraj M. Abdulleec

# Academic Program Description Form

## 1. Program Vision

Preparing and supporting areas of scientific research to find appropriate solutions to oral and dental health problems in society

\*Providing distinguished treatment areas for patients in various specialties of oral and dental medicine, including dental implants, and using modern technologies in the fields of treatment and diagnosis.

\*Providing medical and technical consultations to various sectors of the state

\*Providing distinguished services in all dental specialties in private clinics at the College of Dentistry

## 2. Program Mission

The mission of the College of Dentistry is to raise the level of the college by providing the best performance in the speed and accuracy of completing its tasks and providing the best educational and medical services in the theoretical and practical aspects in the various stages of their studies, such as advanced study programs capable of providing the community with competencies and specialized cadres trained in modern scientific techniques and qualified to compete. In the labor market and conducting research and scientific studies to build a research base are among the requirements for advancing society, serving it, solving its problems and improving it.

## 3. Program Objectives

It aims to prepare medical cadres specialized in oral and maxillofacial medicine and surgery with a distinguished scientific and professional level. The college contains special dental clinics in which students are trained clinically in all specialties and fields of dentistry (oral and maxillofacial surgery, dental industry,

pediatric and preventive dentistry, Orthodontics, dental fillings and cosmetics, periodontal diseases, oral diagnosis) and the latest technologies, in addition to teaching them in various scientific and applied laboratories. The duration of study in the department is five years.

#### 4. Program Accreditation

In Preparation for accreditation

#### 5. Other external influences

No

#### 6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	5	30	10%	
College Requirements	4	30	8%	
Department Requirements	43	230	82%	
Summer Training	1	--	100%	
Other				

\* This can include notes whether the course is basic or optional.

#### 7. Program Description

Year/Level	Course Code	Course Name	Credit Hours	
			theoretical	practical
First	100AN	Human Anatomy	1	2
	101MT	Medical	2	--

		Terminology		
	102CS	Computer Sciences	1	2
	103DA	Dental Anatomy	2	2
	104HR	Human Rights And Democracy	1	--
	105MCH	Medical Chemistry	2	2
	106MPS	Medical Physics	2	2
	107BiL	Biology	2	2
<b>Second</b>				
	208DM	Dental Material	1	2
	209Pros	Prosthodontics	1	3
	210Oral Em	Oral histology& Embryology	2	2
	211BCh	Biochemistry	2	2
	212GH	General Histology	2	2
	213GPH	General Physiology	2	2
	214OrH	Oral Histology	2	2
	215AN	Anatomy	2	2
<b>Third</b>				
	316MB	(Microbiology)	2	2
	317PhC	Pharmacology	2	2
	318CM	Community Dentistry	1	2
	319CV	Conservative dentistry	2	6
	320RL	Dental Radiology	1	2
	321PA	General Patholog	2	2
	322OS	Oral Surgery	1	2

	310PR	صناعة الاسنان Prosthodontics	1	4
<b>Fouth</b>				
	423GM	General Medicine	1	2
	424GS	General Surgery	1	2
	422OS	Oral Surgery	1	4
	419CV	Conservative Dentistry	2	6
	425OP	(Oral Pathology)	2	2
	426OD	(Orthodontic)	1	4
	427PE	Pedodontic	1	2
	428PT	Periodontics	1	3
	410PR	Prosthodontics	1	3
<b>Fifth</b>				
	519CV	Conservative Dentistry	2	8
	529OM	Oral Medicine	1	4
	522OS	Oral Surgery	1	6
	530PAPD	(Pedodontics)	1	3
	531PD	(Prevention)	1	3
	510PR	Prosthodontics	1	6
	526OD	(Orthodontics)	1	4
	528PT	Periodontics	1	3

## 8. Expected learning outcomes of the program

Knowledge

Learning Outcomes 1	1-Enabling students to obtain knowledge and understanding of oral and maxillofacial surgery 2- Enabling students to obtain and understand general diseases of the human body and their relationship to oral and dental health 3- Enabling students to obtain knowledge and understanding of orthodontics 4- Enabling students to obtain knowledge and understanding of modern technology such as lasers and their role in dental treatment 5- Enabling students to obtain knowledge and understanding of periodontal diseases 6- Enabling students to obtain knowledge and understanding of maxillofacial diseases
<b>Skills</b>	
Learning Outcomes 2	1 - Promoting professional ethics and dealing with patients among graduates 2- Students acquire various therapeutic skills
Learning Outcomes 3	3 - Promoting the principle of continuous, lifelong learning in order to continue developing the profession
<b>Ethics</b>	
Learning Outcomes 4	1-By linking changes at the patient level to clinical signs 2- The student will be able to find relationships between pathogens
Learning Outcomes 5	3- Enabling the student to use available diagnostic methods to identify medical conditions 4- Practical skills that enable the student to reach treatment through what he has drawn in his mind as to how the disease occurs

## 9. Teaching and Learning Strategies

Giving lectures.

- Providing students with lectures on the college website.
- Educational films.
- Projectors and digital cameras.
- Using educational models.
- Training courses and workshops.
- Applied clinical education.
- Student groups

## 10. Evaluation methods

- Theoretical tests
- Practical tests
- Reports and studies



## **Professional Development**

### **Mentoring new faculty members**

Guiding new teachers on how to deal with students in terms of enhancing professional ethics and dealing with patients among graduates Students acquire various therapeutic skills

### **Professional development of faculty members**

Developing members through holding dental seminars and workshops

## **11. Acceptance Criterion**

Admission criteria include students who have a certain cumulative average according to the central admission system. Students who have the physical, mental, and social ability to manage any medical condition or practice required by the study are also selected. Most dental schools require personal interviews with candidates to evaluate qualities such as the desire to help people, self-confidence, ability to take on challenges, ability to work with people and ability to work independently.

## **12. The most important sources of information about the program**

- 1-The website of the college and university
- 2-University guide
- 3- College books and resources

## **13. Program Development Plan**

Negotiation and persuasion: The student must be able to influence others, persuade them, discuss them, and reach an agreement

Leadership: The student must be able to lead, motivate and direct others

Independence at work: The student must be able to assume responsibility and independence at work under various circumstances



### Program Skills Outline

				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
<b>First</b>	100AN	Human Anatomy	<b>Basic</b>	√	√			√	√	√	√	√	√	√	√
	101MT	Medical Terminology	<b>Basic</b>	√	√			√	√	√	√	√	√	√	√
	102CS	Computer Sciences	<b>Basic</b>	√	√			√	√	√	√	√	√	√	√
	103DA	Dental Anatomy	<b>Basic</b>	√	√			√				√	√		
	104HR	Human Rights	<b>Basic</b>	√	√			√	√			√	√		

		And Democrac y													
	105MCH	Medical Chemistry	<b>Basic</b>	√	√	√	√	√	√	√		√	√	√	√
	106MPS	Medical Physics	<b>Basic</b>	√	√	√	√	√	√			√	√	√	√
	107BiL	Biology	<b>Basic</b>	√	√		√	√	√	√		√	√	√	√

- Please tick the boxes corresponding to the individual program learning outcomes under evaluation

Program Skills Outline															
				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
Second	208DM	Dental Material	Basic	√	√	√		√	√			√	√		
	209PRos	Prosthodontics	Basic	√	√			√	√			√	√	√	√
	210Oral Em	Embryology Oral histology	Basic	√	√	√		√	√			√	√	√	
	211BCh	Biochemistry	Basic	√	√	√	√	√	√	√		√	√	√	√
	212GH	General Histology	Basic	√	√	√		√	√			√			
	213GPH	General Physiology	Basic	√	√			√				√	√		
Program Skills Outline															

				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
Thrid	316MB	Microbiology	Basic	√	√	√	√	√	√	√		√	√		
	317PhC	Pharmacology	Basic	√	√	√	√	√	√			√	√		
	318CM	Community Dentistry	Basic	√	√	√		√	√	√		√	√	√	
	319CV	Conservative dentistry	Basic	√	√			√	√			√	√		
	320RL	Dental Radiology	Basic	√	√	√	√	√	√	√		√			
	321PA	General Pathology	Basic	√	√	√		√	√	√		√			
	322OS	Oral Surgery	Basic	√	√	√		√	√	√		√			
	310PR	Prosthodontics	Basic	√				√	√			√	√	√	√

				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
Fourth	423GM	General Medicine	Basic	√	√	√		√	√			√			
	424GS	General Surgery	Basic	√	√	√		√	√			√			
	422OS	Oral Surgery	Basic	√	√	√	√	√	√	√		√			
	419CV	Conservative Dentistry	Basic	√	√	√		√	√			√	√		
	425OP	Oral Pathology	Basic	√	√	√		√	√	√		√			
	426OD	Orthodontic	Basic	√	√	√		√				√			
	427PE	Pedodontic	Basic	√	√	√		√	√	√		√	√	√	
	428PT	Periodontics	Basic	√	√	√		√	√	√		√	√	√	

	<b>Required program Learning outcomes</b>
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Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
Fifth	519CV	Conservative	Basic	√	√	√	√	√	√	√		√	√		
	529OM	Oral Medicine	Basic	√	√	√		√	√	√		√			
	522OS	Oral Surgery	Basic	√	√			√	√	√	√	√	√		
	530PAPD	Pedodontics	Basic	√	√	√		√	√	√		√	√	√	√
	531PD	Prevention	Basic	√	√	√		√	√	√		√	√		
	510PR	Prosthodontics	Basic	√	√	√	√	√	√	√	√	√	√	√	√
	526OD	Orthodontics	Basic	√				√	√			√			
	528PT	Periodontics	Basic	√	√	√		√	√	√		√	√	√	





1. Course Name:
English Language
2. Course Code:
109EL
3. Semester / Year:
First and Second Semester / First Stage
4. Description Preparation Date:
20/2/2024
5. Available Attendance Forms:
Weekly
6. Number of Credit Hours (Total) / Number of Units (Total)
Theory2 / 30
7. Course administrator's name (mention all, if more than one name)
Name: Asst. Lect. Yazen Basil Hassan Email: azenbasilhassanl-rubaie9@uomanara.edu.iq
8. Course Objectives
Preparing the student at a high level of proficiency in the English language in the four skills, especially the skill of speaking and reading, which helps him in studying medicine and Dentistry and textbooks
9. Teaching and Learning Strategies
1. Lectures 2. Reports 3. Quizzes

## 10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
First	one		Tenses	Theoretical lecture	Quiz
Second	One		Pronunciation rules	Theoretical lecture	Quiz
Third- Twenty	Seventeen		Part of speech	Theoretical lecture	Quiz
Twenty one – Thirty	Nine		Dental terminolog	Theoretical lecture	Speaking task

## 11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned, Mid- term and final exam, also reports .

## 12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	1. Medical terminology by Judi I. Nath and Kelsey P. Lindsley. 2. English for Medicine and health Sciences. 3. Oxford books for learning English.
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course title
Dental anatomy
2. Course code
103DA
3. Semester/ year
First stage/ year
4. Date of production/revision of this specification
7/2/2024
5. Modes of Attendance offered
Personal
6. Number of hours tuition
60 theory , 60 practical/ 30 units
7. Name of supervisor
Name: jalal hasan Email: <a href="mailto:jalalhasan1990o@gmail.com">jalalhasan1990o@gmail.com</a>
8. Aims of the Course
<ol style="list-style-type: none"> <li>1. The student acquires the skill of knowing the basic concepts of dental anatomy</li> <li>2. Providing the student with information about dental anatomy terminology</li> <li>3. Introducing the student to teeth, their divisions and types</li> <li>4. Introducing the student to the shape of each tooth</li> <li>5. Familiarize the student with the anatomical details of teeth in three dimensions</li> </ol>
9. Learning Outcomes, Teaching ,Learning and Assessment Method
<ol style="list-style-type: none"> <li>1. Theoretical lectures illustrated using presentations and recorded videos</li> <li>2. Practical training on teeth carving</li> </ol>

10. Course Structure					
Week	Hours	Required learning outcomes	Unit/Module or Topic Title	Teaching methods	Assessment Method
١	4	Learn the principles of dental anatomy	Introduction	Power point	quiz
٢	4	Learn the principles of dental anatomy	Introduction	Power point	quiz
٣	4	Learn the universal tooth numbering	Numbering Systems	Power point	quiz
٤	4	Learn the universal tooth numbering	Numbering Systems	Power point	quiz
٥	4	Learn the basic points of tooth anatomy	Anatomical Landmarks	Power point	quiz
٦	4	Learn the basic points of tooth anatomy	Anatomical Landmarks	Power point	quiz
٧	4	Study the details of the upper central incisor	Permanent Maxillary Central Incisor	Power point	quiz
٨	4	Study the details of the upper central incisor	Permanent Maxillary Central Incisor	Power point	quiz
٩	4	Study of the details of the upper lateral incisor	Permanent Maxillary Lateral Incisor	Power point	quiz
١٠	4	Study of the details of the upper lateral incisor	Permanent Maxillary Lateral Incisor	Power point	quiz
١١	4	Study of the lower incisors	Permanent Mandibular Incisors	Power point	quiz
١٢	4	Study of the lower incisors	Permanent Mandibular Incisors	Power point	quiz
١٣	4	Study of the lower incisors	Permanent Mandibular Incisors	Power point	quiz
١٤	4	Learn the details of permanent canines	Permanent Canines	Power point	quiz
١٥	4	Learn the details of permanent canines	Permanent Canines	Power point	quiz
١٦	4	Learn the details of the upper premolars	Permanent Maxillary Premolars	Power point	quiz
١٧	4	Learn the details of the upper premolars	Permanent Maxillary Premolars	Power point	quiz
١٨	4	Learn the details of the lower first premolar	Permanent Mandibular First Premolars	Power point	quiz
١٩	4	Learn the details of the lower second premolar	Permanent Mandibular First	Power	quiz

			Premolars	point	
٢٠	4	Learn the details of the lower second premolar	Permanent Mandibular Second Premolar	Power point	quiz
٢١	4	Learn the details of upper molars	Permanent Maxillary First Molar Permanent maxillary second and third molars	Power point	quiz
٢٢	4	Learn the details of upper molars	Permanent Maxillary First Molar Permanent maxillary second and third molars	Power point	quiz
٢٣	4	Learn the details of the lower first molar	Permanent Mandibular First Molar	Power point	quiz
٢٤	4	Learn the details of the lower second and third molars	Permanent Mandibular Second and third Molars	Power point	quiz
٢٥	4	Learn the basics of tooth development	Tooth Development	Power point	Quiz
٢٦	4	Learn the basics of tooth development	Tooth Development	Power point	Quiz
٢٧	4	Learn the basics of tooth development	Tooth Development	Power point	Quiz
٢٨	4	Learn the internal shape of the tooth	Pulp Cavities	Power point	Quiz
٢٩	4	Learn the internal shape of the tooth	Pulp Cavities	Power point	quiz
٣٠	4	Learn the occlusion	Occlusion and physiologic form of teeth and periodontium.	Power point	Quiz

### 11. Course evaluation

Written exam  
 Practical exam on carving  
 Weekly quiz

### 12. Unit/Module or Topic Title

Books Required reading	Woelfel's Dental Anatomy It's Relevance to Dentistry.
Main references (sources)	Wheeler's Atlas of Tooth Form
- Recommended books and references (scientific journals, reports...	Wheeler's Atlas of Tooth Form
Electronic references, Internet	www.kenhub.com

sites...



1. Course Name:					
Human Anatomy					
2. Course Code:					
100AN					
3. Semester / Year:					
2023–2024 An annual study consisting of two semesters					
4. Description Preparation Date:					
15/2/2024					
5. Available Attendance Forms:					
Theoretical lectures and practical lab.					
6. Number of Credit Hours (Total) / Number of Units (Total)					
30 hours theory & 60 hours practical / 4 unites					
7. Course administrator's name (mention all, if more than one name)					
Name: Ass. Lecturer Oras Kadhim Baqer Email: oraskadhim1@uomanara.edu.iq					
8. Course Objectives					
The scientific preparation of the student with regard to human anatomy, especially what is related to the anatomy of the head and neck and its relationship to his precise specialization as a dentist.					
9. Teaching and Learning Strategies					
<ul style="list-style-type: none"> <li>- Lectures using the power point program (data show)</li> <li>- Educational films.</li> <li>- Guiding students to some websites to benefit from them.</li> <li>- Practical laboratory on anatomical models.</li> </ul>					
10. Course Structure					
<b>Week</b>	<b>Hours</b>	<b>Required Learning</b>	<b>Unit or subject</b>	<b>Learning</b>	<b>Evaluation</b>

		<b>Outcomes</b>	<b>name</b>	<b>method</b>	<b>method</b>
1	1	The students learn Introduction to Human Anatomy	Introduction to Human Anatomy  Descriptive Anatomic Terms	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
2	\	The students learn Basic Structures: Skin, Fasciae, Muscle, Joints, Ligament, Bursae	Basic Structures: Skin, Fasciae, Muscle, Joints, Ligament, Bursae	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
3	\	The students learn Basic Structures: Bone, Cartilage, Blood Vessels, Lymphatic System	Basic Structures: Bone, Cartilage, Blood Vessels, Lymphatic System	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
4	\	The students learn Basic Structures: Bone, Cartilage, Blood Vessels, Lymphatic System	Basic Structures: Bone, Cartilage, Blood Vessels, Lymphatic System	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
5	\	The students learn Basic Structures: Nervous System, Mucous Membranes, Serous Membranes	Basic Structures: Nervous System, Mucous Membranes, Serous Membranes	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
6	\	The students learn Skeletal system of the body: Skull: Cranial Bones	Skeletal system of the body: Skull :Cranial Bones	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
7	\	The students learn Skeletal system of the body: Skull: Cranial Bones	Skeletal system of the body: Skull :Cranial Bones	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final

8	\	The students learn Skeletal system of the body: Skull: Facial Bones	Skeletal system of the body: Skull : Facial Bones	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
9	\	The students learn External Views of the Skull	External Views of the Skull	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
10	\	The students learn External Views of the Skull	External Views of the Skull	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
11	\	The students learn The Cranial Cavity Major Foramina and Fissures locations and structures pass through Neonatal Skull	The Cranial Cavity Major Foramina and Fissures locations and structures pass through Neonatal Skull	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
12	\	The students learn The Cranial Cavity Major Foramina and Fissures locations and structures pass through Neonatal Skull	The Cranial Cavity Major Foramina and Fissures locations and structures pass through Neonatal Skull	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
13	\	The students learn Skeleton of the Orbital Region, Openings into the Orbital Cavity	Skeleton of the Orbital Region, Openings into the Orbital Cavity	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
14	\	The students learn Skeleton of the	Skeleton of the External Nose, nasal	Lecture using power point	Quizzes and Exams:

		External Nose, nasal cavity, Paranasal Sinuses Auditory ossicles Hyoid bone	cavity, Paranasal Sinuses Auditory ossicles Hyoid bone	program	quarterly, half year and Final
15	\	The students learn The Vertebral Column	The Vertebral Column	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
16	\	The students learn The Vertebral Column	The Vertebral Column	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
17	\	The students learn Structure of the Thoracic Wall Joints of the Chest Wall Suprapleural Membrane Diaphragm Surface Anatomy	Structure of the Thoracic Wall Joints of the Chest Wall Suprapleural Membrane Diaphragm Surface Anatomy	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
18	\	The students learn Structure of the Thoracic Wall Joints of the Chest Wall Suprapleural Membrane Diaphragm Surface Anatomy	Structure of the Thoracic Wall Joints of the Chest Wall Suprapleural Membrane Diaphragm Surface Anatomy	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
19	\	The students learn Thoracic cavity: Mediastinum, Pleurae, Trachea, Bronchi, Lungs	Thoracic cavity: Mediastinum, Pleurae, Trachea, Bronchi, Lungs	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
20	\	The students learn Thoracic cavity: Mediastinum,	Thoracic cavity: Mediastinum, Pleurae, Trachea,	Lecture using power point	Quizzes and Exams: quarterly,

		Pleurae, Trachea, Bronchi, Lungs	Bronchi, Lungs	program	half year and Final
21	\	The students learn Pericardium, Heart, Large arteries, veins and nerves of thorax	Pericardium, Heart, Large arteries, veins and nerves of thorax	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
22	\	The students learn Pericardium, Heart, Large arteries, veins and nerves of thorax	Pericardium, Heart, Large arteries, veins and nerves of thorax	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
23	\	The students learn Pericardium, Heart, Large arteries, veins and nerves of thorax	Pericardium, Heart, Large arteries, veins and nerves of thorax	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
24	\	The students learn Bones of the Shoulder (Pectoral girdle) girdles Bones of the Upper extremities	Bones of the Shoulder (Pectoral girdle) girdles Bones of the Upper extremities	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
25	\	The students learn Bones of the Shoulder (Pectoral girdle) girdles Bones of the Upper extremities	Bones of the Shoulder (Pectoral girdle) girdles Bones of the Upper extremities	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
26	\	The students learn Bones of the Pelvic girdle Bones of the Lower extremities	Bones of the Pelvic girdle Bones of the Lower extremities	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
27	\	The students learn Bones of the Pelvic	Bones of the Pelvic girdle Bones of the	Lecture using power point	Quizzes and Exams:

		girdle Bones of the Lower extremities	Lower extremities	program	quarterly, half year and Final
28	\	The students learn Abdominal cavity and organs	Abdominal cavity and organs	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
29	\	The students learn Abdominal cavity and organs	Abdominal cavity and organs	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
30	\	The students learn Skeletal system of the body: Skull : Facial Bones	Skeletal system of the body: Skull : Facial Bones	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final

## 11. Course Evaluation

## 12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	1.Snell’s Clinical anatomy 7th edition. 2. Netter’s head and neck anatomy for dentistry 2nd edition 2012.
Main references (sources)	1.Snell’s Clinical anatomy 7th edition. 2. Netter’s head and neck anatomy for dentistry 2nd edition 2012.
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

13.	Course Title				
	Medical chemistry				
14.	Course Code				
	105MCH				
15.	Semester/ Year				
	Two semester/ First year				
16.	Year				
	2023-2024				
17.	Available forms of attendance				
	Weekly				
18.	Number of study hours(total)/ number of units (total)				
	60 theory 60 practical				
19.	Instructors Name				
	Noor abdul ameer Jabar <a href="mailto:noorabulameer@uomanra.edu.iq">noorabulameer@uomanra.edu.iq</a>				
20.	Course Aims				
	.Indroduction to Medical chemistry, General chemistry and Biochemistry				
21.	Teaching and learning strategies				
	. The teaching method changes according to the student's perception and interaction with the lecture. It may be the discussion method, the interrogation method, or the deduction and deduction method... and it may be all methods at the same time, in addition to the use of laboratories and practical experiments to increase the student's understanding and awareness				
22.	Course contents				
<b>week</b>	<b>Hours</b>	<b>Required learning outcomes</b>	<b>Name of the units or topic</b>	<b>Learning method</b>	<b>Evaluation method</b>



١	2	Acid, Base and Salt	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
٢	2	salts, preparation of salts	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
٣	2	Fluid and electrolyte	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
٤	2	Buffer-pH and Acid-Base Balance	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
٥	2	acid-base balance and blood pH	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
٦	2	Colloids and colloidal dispersions	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
٧	2	Molar concentration (Molarity)	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
٨	2	Chirality in Biological Systems	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final

٩	2	Pollution	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
١٠	2	Radiochemistry	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
١١	2	Alkanes and Cycloalkanes	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
١٢	2	Alkenes and Alkynes	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
١٣	2	Aromatic compounds	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
١٤	2	Aromatic compounds in Nature	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
١٥	2	Stereoisomers of Carbon	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
١٦	2	Diastereomers	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and

					Final
۱۷	2	Phenols (preparation, reactions)	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
۱۸	2	Carboxylic Acids And The Derivatives	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
۱۹	2	Amides	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
۲۰	2	Aldehydes and ketones	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
۲۱	2	Carbohydrates	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
۲۲	2	Monosaccharide's	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
۲۳	2	Disaccharides	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
۲۴	2	Lipids	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly,

					half year and Final
۲۵	2	Derived lipids	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
۲۶	2	Proteins and Amino Acids	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
۲۷	2	Amino acids	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
۲۸	2	Nucleic Acids	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
۲۹	2	Acid, Base and Salt	Chemistry	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
۳۰	2				

### 23. Course evaluation

Quizzes and Exams: quarterly, half year and Final

### 24.

Chemical Bases of life, Textbook Biochemistry , General Chemis principle and applications of Inorgan

	Organic and Biochemistry

25.	Course Title
	Medical physics
26.	Course Code
	106MPS
27.	Semester/ Year
	Two semester/ First year
28.	Year
	2023-2024
29.	Available forms of attendance
	Weekly
30.	Number of study hours(total)/ number of units (total)
	60 theory 60 practical
31.	Instructors Name
	Name: Ahmed Mohammed Abid                      Email: ahmed.alasady89@yahoo.com
32.	Course Aims
	The objectives of the course are to enable the student to know the physical ideas related to electromagnetic radiation, its dangers, prevention, as well as treatment, as well as the Physical ideas related to the human body from two aspects: the physical functions of the organs of the human body and medical applications in Diagnosis and treatment, description and application.
33.	Teaching and learning strategies
	The method of teaching changes according to the student's perception and interaction with the lecture. It may be... The method of discussion, the method of questioning, or the method of inference and deduction... It may be... All methods at the same time, in addition to using laboratories and practical experiments to It increases the student's understanding and awareness, and all teaching methods are also used, such as PowerPoint Presentations and laboratory reports, in addition to practical experiments.

34. Course contents					
week	Hours	Required learning outcomes	Name of the units or topic	Learning method	Evaluation method
1	2	Terminology Terms: Medical Physics, physics medicine, Physical therapy, Health Physics, Radiological Physics, clinical physics.	Medical physics	Theoretical lecture using Power Point	Short, quarterly, half-year and final exam
2	2	Light in medicine	Medical physics	Theoretical lecture using Power Point	Short, quarterly, half-year and final exam
3	2	Light in medicine	Medical physics	Theoretical lecture using Power Point	Short, quarterly, half-year and final exam
4	2	Laser in medicine:	Medical physics	Theoretical lecture using Power Point	Short, quarterly, half-year and final exam
5	2	Physics of eye and vision	Medical physics	Theoretical lecture using Power Point	Short, quarterly, half-year and final exam
6	2	Physics of eye and vision	Medical physics	Theoretical lecture using Power Point	Short, quarterly, half-year and final exam
7	2	Physics of diagnostic X-ray	Medical physics	Theoretical lecture using Power Point	Short, quarterly, half-year and final exam
8	2	Physics of diagnostic X-ray	Medical physics	Theoretical lecture using Power Point	Short, quarterly, half-year and final exam
9	2	Physics of diagnostic X-ray	Medical physics	Theoretical lecture using Power Point	Short, quarterly, half-year and final exam
10	2	Physics of diagnostic X-ray	Medical physics	Theoretical lecture using Power Point	Short, quarterly, half-year and final exam
11	2	Physics of nuclear medicine:	Medical physics	Theoretical lecture using Power Point	Short, quarterly, half-year and final exam
12	2	Principles of radiation Therapy	Medical physics	Theoretical lecture using Power Point	Short, quarterly, half-year and final exam
13	2	The dose units (Rad and Gray).	Medical physics	Theoretical lecture using Power Point	Short, quarterly, half-year and final exam
14	2	Physics of radiation therapy:	Medical physics	Theoretical lecture using	Short, quarterly, half-year and final exam

				Power Point	
۱۵	2	Radiation protection	Medical physics	Theoretical lecture using Power Point	Short, quarterly, half-year and final exam
۱۶	2	Radiation effects of ionizing radiation	Medical physics	Theoretical lecture using Power Point	Short, quarterly, half-year and final exam
۱۷	2	Radioactive materials (Radon gas).	Medical physics	Theoretical lecture using Power Point	Short, quarterly, half-year and final exam
۱۸	2	Ultrasound (A-scan, B-scan, M-scan and Doppler effect). Physiological effect of ultrasound in therapy.	Medical physics	Theoretical lecture using Power Point	Short, quarterly, half-year and final exam
۱۹	2	Sound in medicine: Ultrasound (A-scan, B-scan,	Medical physics	Theoretical lecture using Power Point	Short, quarterly, half-year and final exam
۲۰	2	Sound in medicine: Ultrasound (A-scan, B-scan,	Medical physics	Theoretical lecture using Power Point	Short, quarterly, half-year and final exam
۲۱	2	Physics of the ear and hearing:	Medical physics	Theoretical lecture using Power Point	Short, quarterly, half-year and final exam
۲۲	2	Force on & in body:	Medical physics	Theoretical lecture using Power Point	Short, quarterly, half-year and final exam
۲۳	2	Physics of the skeleton:	Medical physics	Theoretical lecture using Power Point	Short, quarterly, half-year and final exam
۲۴	2	Heat and cold in medicine:	Medical physics	Theoretical lecture using Power Point	Short, quarterly, half-year and final exam
۲۵	2	Energy, work and power of the body: Work and power. Efficiency heat losses from the body. Anaerobic phase and aerobic phase. Hypothalamus (body's thermostat). Heat lost by (radiation, convection, evaporation of sweat and respiration).	Medical physics	Theoretical lecture using Power Point	Short, quarterly, half-year and final exam
۲۶	2	Energy, work and power of the body:	Medical physics	Theoretical lecture using Power Point	Short, quarterly, half-year and final exam
۲۷	2	Pressure:	Medical physics	Theoretical lecture using	Short, quarterly, half-year and final exam



				Power Point	
٢٨	2	Pressure:	Medical physics	Theoretical lecture using Power Point	Short, quarterly, h -year and final exa
٢٩	2	Electricity within the body:	Medical physics	Theoretical lecture using Power Point	Short, quarterly, h -year and final exa
٣٠	2	Electricity within the body:	Medical physics	Theoretical lecture using Power Point	Short, quarterly, h -year and final exa

### 35. Course evaluation

The course is evaluated through quarterly exams, quizzes, student attendance, the student's activity inside the class, and within the lecture.

### 36. مصادر التعلم والتدريس

The required books needed	Medical Physics (John Cameron) Physics of of the human body (Irving Herman)
The main references	Radiation Physics for Medical Physicists (Er B. Podgoršak)
Books and references that are recommended	1) RADIATION ONCOLOGY PHYSICS: HANDBOOK FOR TEACHERS AND STUDENTS (E Podgorsak)  2) (James E. Martin(auth.) - Physics for Radiat Protection, Third Edition (2013)  3) Radiation detection and measurement edition by GLENN F. KNOLL  4) Wiley - Encyclopedia of Medical Devices an Instrumentation - Vol. 5 (John G. Webster)  5) Frank Herbert Attix(auth.) - Introduction Radiological Physics and Radiation Dosimetry (1986)
Electronic references, Internet sites	e-Encyclopedia of medical physics and scientific Multilingual Dictionary of Terms

13.	Course title
	Computer
14.	Course code
	102CS
15.	Semester/ year
	First stage/ year
16.	Date of production/revision of this specification
	7/2/2024
17.	Modes of Attendance offered
	Personal
18.	Number of hours tuition
	60 theory , 60 practical/ 30 units
19.	Name of supervisor
	Ahamd Katab <a href="mailto:ahmedkateb@uomanara.edu.iq">ahmedkateb@uomanara.edu.iq</a>
20.	Aims of the Course
	<p>Implementing many academic subjects using multiple computer programs to serve university curricula.</p> <ul style="list-style-type: none"> <li>• Obtaining scientific knowledge and facts in the field of computers and information technology related to student life.</li> <li>• Training the student and developing his scientific abilities to benefit from the computer.</li> <li>• Providing the student with creative mental abilities, helping him in inductive and deductive logical thinking, and developing his abilities to solve obstacles.</li> <li>• Strengthening the factor of desire towards the computer and its applications and giving the student positive, purposeful inclinations towards information technology.</li> </ul>
21.	Learning Outcomes, Teaching ,Learning and Assessment Method

The development of information and communications technology, the expansion of the use of computers, and the diversity of their use in many fields, especially in the field of education, have led to the diversity and multiplicity of educational strategies, which are primarily based in their use of educational software, based on the learning goals that one wants to achieve

## 22. Course Structure

Week	Hours	Required learning outcomes	Unit/Module or Topic Title	Teaching methods	Assessment Method
١	4	Computer Basics	Computer	Power point	quiz
٢	4	Computer Components And Properties	Computer	Power point	quiz
٣	4	Introduction of Microsoft Word	Computer	Power point	quiz
٤	4	Word Program Menus	Computer	Power point	quiz
٥	4	Word Program Menus	Computer	Power point	quiz
٦	4	Word Program Menus	Computer	Power point	quiz
٧	4	Introduction of Microsoft Excel	Computer	Power point	quiz
٨	4	Functions of Microsoft Excel	Computer	Power point	quiz
٩	4	Functions of Microsoft Excel	Computer	Power point	quiz
١٠	4	Functions of Microsoft Excel	Computer	Power point	quiz
١١	4	Functions of Microsoft Excel	Computer	Power point	quiz
١٢	4	Introduction of Microsoft Power Point	Computer	Power point	quiz
١٣	4	Introduction of	Computer	Power	quiz

		Microsoft Power Point		point	
١٤	4	Introduction of Microsoft Power Point	Computer	Power point	quiz
١٥	4	Introduction of Microsoft Power Point	Computer	Power point	quiz
١٦	4	Create of presentation by Microsoft power point	Computer	Power point	quiz
١٧	4	Create of presentation by Microsoft power point	Computer	Power point	quiz
١٨	4	Introduction of Microsoft Access	Computer	Power point	quiz
١٩	4	Introduction of Microsoft Access	Computer	Power point	quiz
٢٠	4	Introduction of Microsoft Access	Computer	Power point	quiz
٢١	4	Create database by Microsoft Access	Computer	Power point	quiz
٢٢	4	Create database by Microsoft Access	Computer	Power point	quiz
٢٣	4	Introduction of Microsoft outlook	Computer	Power point	quiz
٢٤	4	Introduction of Microsoft outlook	Computer	Power point	quiz
٢٥	4	Introduction of Microsoft outlook	Computer	Power point	Quiz
٢٦	4	Introduction of SPSS	Computer	Power point	Quiz
٢٧	4	Introduction of SPSS	Computer	Power point	Quiz
٢٨	4	Analyze Menu	Computer	Power point	Quiz
٢٩	4	Analyze Menu	Computer	Power point	quiz
٣٠	4	Analyze Menu	Computer	Power point	Quiz
23. Course evaluation					

Written exam  
 Practical exam on carving  
 Weekly quiz

<b>24. Unit/Module or Topic Title</b>	
<b>Books Required reading</b>	
<b>Main references (sources)</b>	
- Recommended books and references (scientific journals, reports...	1. Encryption a text using affine cipher and hiding it in the colored image by using the Quantization stage, Nada Abdul Aziz Mustafa ,Iraq, Baghdad, University of Baghdad, College of Languages 2. The Effect of the Smoothing Filter on an Image Encrypted By the Blowfish Algorithm Then Hiding It in A BMP Image Nada Abdul Aziz Mustafa, Iraq, Baghdad, University of Baghdad, College of Languages 3. Computer literacy BASICS 2012, LeBlanc, Brandon."A closer look at the, windows 7. 2009 4. Computing Fundamentals, Innovative training works USA, Inc, 2006
Electronic references, Internet sites...	<a href="https://www.agitraining.com/books/microsoft-office-books/word-2010-digital-classroom-book">https://www.agitraining.com/books/microsoft-office-books/word-2010-digital-classroom-book</a>

No.	Title of the lectures	Hours Theory
1	Introduction about computer /Hardware and Software/computer structure/ Floppy magnetic disks	1
2	E-learning	1
3	Introduction to E-learning Google Classroom Platform Google drive	1

4	Google forms	1
5	Online conferencing	1
6	Introduction about Windows /A look at Windows 10/Stating Windows 10/Working with a windows Program	1
7	Working with files and folders/ Using My computer	1
8	Working with Taskbar and Desktop	1
9	Using Windows Accessories	1
10	A look at Control Panel	1
11	Windows Explorer	1

12	Libraries	1
13	Introduction about Microsoft Word2016 A look at Microsoft Word /Editing Document	1
14	Formatting Text/	1
15	Formatting paragraphs	1
16	Proofing documents	1
17	Adding Tables	1
18	Inserting Graphic Elements	1
19	Controlling page Appearance	1
20	Introduction about Excels /A Look at Microsoft Excel	1
21	Modifying A Worksheet /performing Calculations	1
22	Formatting a worksheet/ Developing a work book	1
23	Printing Workbook Contents/Customizing Layout	1
24	Introduction about Microsoft Access/ A look at Microsoft Access	1
25	Creating Data tables /properties of the fields	1
26	Querying the database/Designing Forms/Producing reports	1
27	Introduction about Microsoft Power point/starting power point2016	1
28	Formatting text/Using graphics and Text	1
29	Manipulating the slides/Using Multimedia Elements	1
30	Power point Management	1
<b>Total</b>		<b>30</b>

1. Course Name:
Medical Biology
2. Course Code:
107BiL
3. Semester / Year:
Two semesters – first stage
4. Description Preparation Date:
2023–2024
5. Available Attendance Forms: Weekly attendance at the college
6. Number of Credit Hours (Total) / Number of Units (Total):
60 theoretical hours and 60 practical hours
7. Course administrator's name (mention all, if more than one name)
Name: Dr. Mohammed Jasim Qasim Email: mohammedjassimqasim721@uomanara.edu.iq
8. Course Objectives
<ol style="list-style-type: none"> <li>1. Understanding the science of life and knowing its branches, such as other microbiology, such as parasites, bacteria, viruses, embryology, and the rest of the sciences that it includes.</li> <li>2. Study the cells and tissues of living organisms and differentiate between their types</li> <li>3. Identify the types of living organisms, their ideal living conditions, and the environmental factors that affect them</li> <li>4. Study of genetic evolution and the genetic factors that intervene in the formation of the organism</li> </ol>

## 9. Teaching and Learning Strategies

-A- Knowledge and understanding

A-1 Teaching the student the relationship of biology to humans

A-2 Understanding its connection and effect on body health

A-3 The relationship of microbiology and cell science to diseases that affect humans

A-4 The relationship of genetics to human health

A-5 The relationship of histology to humans

A-6 The relationship of cytology to blood

B - The skills objectives of the course

B1 - According to the teaching method used, such as discussion, lecture, questioning

B2 - Using laboratories and practical experiments to increase the student's understanding and see it in practice

B3 - Method of surprise exams and quizzes

C- Emotional and value goals

C-1 Interrogation

C-2 Discussion

C-3 Laboratory experiments and reports

C-4 Extrapolation

D - General and transferable skills (other skills related to the employability and development of the person (Sy.)

D-1 Creating and developing lectures annually

D-2 Follow up on published research related to the subject

D-3 Conduct quarterly and annual research through personal and group efforts and publish it in Arab magazines



And international

D-4 Discussing the curriculum with stakeholders and specialists in order to reach the best

Teaching and learning methods

All educational methods used, such as PowerPoint, presentation, and comprehensive reports. experimental, in addition to

Practical experiences and what was mentioned above.

The method of teaching changes according to the student's perception and interaction with the lecture. It may be... The method of discussion, the method of interrogation, or the method of inference and deduction... It may be... All methods at the same time, in addition to

Using laboratories and practical experiments to increase the student's understanding and awareness.

## 10. Course Structure

Week	Hou rs	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	٢	Introduction to Medical and oral Biologv	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
2	٢	Prokaryotes and Eukaryotes	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
3	٢	General and oral Immunity	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
4	٢	Bacteria and oral disease	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams

5	۲	Genetics and its role in oral diseases	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
6	۲	Simple epithelial tissue (Tongue)	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
7	۲	Stratified epithelial tissue	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
8	۲	Glandular epithelial tissue (salivary gland)	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
9	۲	General connective tissue (blood)	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
10	۲	Muscular tissue	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
11	۲	Nerve tissue	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
12	۲	Cell structure (oral mucus membrane)	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
13	۲	Plasma membrane structure	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
14	۲	Passage of Materials across Cell Membrane	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams

15	۲	Cell cycle	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
16	۲	Mitosis and meiosis	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
17	۲	Cell energy	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
18	۲	Nucleic acid, , DNA and RNA	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
19	۲	Introduction to parasitology	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
20	۲	Types of parasites and host	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
21	۲	General and oral protozoa	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
22	۲	Htunan amoebas,E. histolytica,	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
23	۲	E.coli, E.gingivalis	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
24	۲	Flagellates, Giardia lamblia, Trichomonas tenax, T.hominas, T.vaginalis	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams

25	۲	Leishman. , cutaneous and vesiral	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
26	۲	Sporozoa, Plasmodium spp .	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
27	۲	Toxoplasma gondii	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
28	۲	Nemathelminthes, Ascaris lumbricoides ‘	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
29	۲	Ancylostoma duodenale, Entrobilus vermicularis	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams
30	۲	Platyhelminthes, Fasciola hepatica	Medical Biology	Presentation software Or pdf	Short, semester, mid-year and final exams

## 11. Course Evaluation

Evaluation methods: monthly, semester, final, and short exams  
Laboratory reports, attendance and absences

## 12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Human biology,8 edition
Main references (sources)	Cell Biology,3 edition.2017
Recommended books and references (scientific journals, reports...)	Essential Microbiology for Dentistry 5th Edition (2018)
Electronic References, Websites	Accredited websites such as CBC

	Bub-Med and WHO
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1. Course Name:

Dental material

2. Course Code:

208DM

3. Semester / Year:

2<sup>nd</sup> year, first & second semester

4. Description Preparation Date:

2\2\2024

5. Available Attendance Forms:

Attendance at all lectures and clinical sessions

6. Number of Credit Hours (Total) / Number of Units (Total)

Total hours: 30 theory + 60 practical = 90 hours

Total units: 4 units

7. Course administrator's name (mention all, if more than one name)

Name: Seham Naif Sais

Email: dr.sihamsayes@gmail.com

8. Course Objectives

- to provide the students' knowledge in dental materials about: mechanical properties of different dental materials, composition of dental materials, properties of different dental materials,
- training about manipulation of dental materials

## 9. Teaching and Learning Strategies

Theory and clinical teaching and training

## 10. Course Structure

<b>Week</b>	<b>Hours</b>	<b>Required Learning Outcomes</b>	<b>Unit or subject name</b>	<b>Learning method</b>	<b>Evaluation method</b>
1	3	Knowledge about composition, properties dental materials and training about manipulation	introduction	PowerPoint, Videos, training in Lab.	Quiz, MCQs, Clinical evaluation
2	3	=	Mechanical properties	=	=
3	3	=	Gypsum materials 1	=	=
4	3	=	Gypsum materials 2	=	=
5	3	=	Impression materials 1	=	=
6	3	=	Impression materials 2	=	=
7	3	=	Impression materials 3	=	=
8	3	=	Impression materials 4	=	=
9	3	=	Impression materials 5	=	=
10	3	=	Waxes 1	=	=
11	3	=	Waxes 2	=	=
12	3	=	Polymers 1	=	=
13	3	=	Polymers 2	=	=
14	3	=	Investment materials	=	=
15	3	=	Cement materials	=	=

16	3		Temporary filling	=	=
17	3	=	Metal and metal alloy 1	=	=
18	3	=	Metal and metal alloy 2	=	=
19	3	=	Metal and metal alloy 3	=	=
20	3	=	Metal and metal alloy 4	=	=
21	3	=	Filling materials 1	=	=
22	3	=	Filling materials 2	=	=
23	3	=	Filling materials 3	=	=
24	3	=	Filling materials 4	=	=
25	3	=	Preventive materials	=	=
26	3	=	Root canal filling materials	=	=
27	3	=	Finishing and polishing materials	=	=
28	3	=	Relining material	=	=
29	3	=	Implant materials	=	=
30	3	=	Maxillofacial materials	=	=

### 11.Course Evaluation

Subject concern about composition, properties and manipulation of different materials used in modern dentistry.

### 12.Learning and Teaching Resources

Required textbooks (curricular books, any)	Dr Seham Sais and Baghdad college lectures
Main references (sources)	Philips science of dental materials 2012 edition 12
Recommended books and references	Craig's Restorative dental materials 2018 edition



(scientific journals, reports...)	14
Electronic References, Websites	

25.	Course Name:
	R.prosthodontics
	Course Code:
	209Pros
26.	Semester / Year:
	two semester/ second stage
27.	Description Preparation Date:
	2023/2024
28.	Available Attendance Forms:
	Weekly
29.	Number of Credit Hours (Total) / Number of Units (Total)
	60 hours theoretical/60 hours practical
30.	Course administrator's name (mention all, if more than one name)
	Muhannd muhammad Hassan
31.	Course Objectives
	<p>Introducing the dental industry in general, as it is one of the most important subjects that the student will continue to study for the next four years</p> <p>□ Introducing the terms that will be used in explaining the course so that the student can understand them correctly</p> <p>Practical laboratory steps for making the complete kit and practical training within the laboratories to use and adapt the materials used in</p>

making the kit

32. Teaching and Learning Strategies

Theoretical lectures, training and practical explanation Observing the student's response in the practical explanation halls

33. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
	2	Introduction	R.prosthodon	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Anatomical landmarks	R.prosthodon	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Anatomical landmarks	R.prosthodon	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	nplete Denture Impression	R.prosthodon	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	nplete Denture Impression	R.prosthodon	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Complete Denture Impression	R.prosthodon	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam

	2	<b>Record Base</b>	R.prosthodon	Theoretical lecture using power point	Short exams And thequarterl and a half year and final exam
	2	<b>Occlusion Rims</b>	R.prosthodon	Theoretical lecture using power point	Short exams And thequarterl and a half year and final exam
	2	<b>Anatomy And Physiology Of Temporomandibular Joint</b>	R.prosthodon	Theoretical lecture using power point	Short exams And thequarterl and a half year and final exam
	2	<b>Anatomy And Physiology Of Temporomandibular Joint</b>	R.prosthodon	Theoretical lecture using power point	Short exams And thequarterl and a half year and final exam
1	2	<b>Maxillomandibular relation</b>	R.prosthodon	Theoretical lecture using power point	Short exams And thequarterl and a half year and final exam
	2	<b>Methods Of Recording Vertical Relation</b>	R.prosthodon	Theoretical lecture using power point	Short exams And thequarterl and a half year and final exam
	2	<b>Horizontal Jaw Relation</b>	R.prosthodon	Theoretical lecture using power point	Short exams And thequarterl and a half year and final exam
	2	<b>Dental Articulators</b>	R.prosthodon	Theoretical lecture using power point	Short exams And thequarterl and a half year and final exam
	2	<b>Face – Bow</b>	R.prosthodon	Theoretical lecture using power point	Short exams And thequarterl and a half year and final exam
	2	<b>Mounting</b>	R.prosthodon	Theoretical lecture using power point	Short exams And thequarterl and a half year and final exam

	2	Selection Of Artificial Teeth	R.prosthodon	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Selection Of Posterior Teeth	R.prosthodon	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Arrangement Of Artificial Teeth	R.prosthodon	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Arrangement Of Posterior Teeth	R.prosthodon	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Waxing And Carving	R.prosthodon	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Complete Denture Occlusion	R.prosthodon	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Complete Denture Occlusion	R.prosthodon	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Processing Of The Denture (Flasking)	R.prosthodon	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Occlusal Correction	R.prosthodon	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Finishing And Polishing Of Complete Denture	R.prosthodon	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam

	2	Repair Of complete Denture	R.prosthodon	Theoretical lecture using power point	Short exams And thequarterly and a half year and final exam
	2	Repair Of complete Denture	R.prosthodon	Theoretical lecture using power point	Short exams And thequarterly and a half year and final exam
	2	Relining And Rebasing	R.prosthodon	Theoretical lecture using power point	Short exams And thequarterly and a half year and final exam
	2	Relining And Rebasing	R.prosthodon	Theoretical lecture using power point	Short exams And thequarterly and a half year and final exam

#### 34. Course Evaluation

Short exams  
And thequarterly and a half year  
and final exam

#### 35. Learning and Teaching Resources

Required textbooks (curricular books  
any)

- 1.Syllabus of complete denture  
(text book of complete denture)**
- 2.Dental laboratory technology for  
removable prosthodontics**
- 3. Iraqi virtual library**

Main references (sources)

Recommended books and  
references (scientific journals,

reports...)		
Electronic References, Websites		

1. Course Name:					
Biochemistry					
2. Course Code:					
211BCH					
3. Semester / Year:					
two semester/ second stage					
4. Description Preparation Date:					
2023/2024					
5. Available Attendance Forms:					
Weekly					
6. Number of Credit Hours (Total) / Number of Units (Total)					
60 hours theoretical/60 hours practical					
7. Course administrator's name (mention all, if more than one name)					
8. Course Objectives					
An introduction to biochemistry, understanding its functions, the variables occurring in it, irregularities in its levels, its biological and pathological implications, and methods for measuring its levels.					
9. Teaching and Learning Strategies					
All teaching methods used, such as PowerPoint, presentation, laboratory reports, in addition to practical experiments					
10. Course Structure					
<b>V</b>	<b>Hours</b>	<b>Required</b>	<b>Unit or subject</b>	<b>Learning</b>	<b>Evaluation</b>



e e k		<b>Learning Outcomes</b>	<b>name</b>	<b>method</b>	<b>method</b>
	2	Enzymes: Definition Terminology:substrate;cofactor;coenzyme ....ect Classification  Kinetic properties of enzyme Enzyme inhibition Model of enzyme – substrate binding Enzyme regulation Effect of pH and Temp. on enzyme activity Plasma enzymes in diagnosis GPT and GOT LDH Isoenzymes	Biochemistry	Theoretical lecture using power point	Short exams And thequarterl and a half year and final exam
	2	Classification	Biochemistry	Theoretical lecture using power point	Short exams And thequarterl and a half year and final exam
	2	Kinetic properties of enzyme	Biochemistry	Theoretical lecture using power point	Short exams And thequarterl and a half year and final exam
	2	Enzyme inhibition	Biochemistry	Theoretical lecture using power point	Short exams And thequarterl and a half year and final exam
	2	Model of enzyme – substrate binding	Biochemistry	Theoretical lecture using power point	Short exams And thequarterl and a half year and final exam
	2	Plasma enzymes in diagnosis	Biochemistry	Theoretical lecture using	Short exams And thequarterl

				power point	and a half year and final exam
	2	Lipid: Lipid classes Lipid metabolism: Triacylglycerol synthesis F.A. degradation F.A. biosynthesis Regulation of F.A. metabolism in mammals Cholesterol metabolism	Biochemistry	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Lipid metabolism:	Biochemistry	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Triacylglycerol synthesis	Biochemistry	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	F.A. degradation	Biochemistry	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
1	2	Carbohydrate metabolism: Glycogen metabolism (synthesis & degradation) Glycolysis and its Regulation Gluconeogenesis Metabolism of other important sugars Citric acid cycle and Regulation Electron transport system Oxidative phosphorylation Oxidative stress Glucose-6-phosphate dehydrognase deficiency	Biochemistry	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam

	2	Glycogen metabolism (synthesis & degradation)	Biochemistry	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Glycolysis and its Regulation	Biochemistry	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Gluconeogenesis	Biochemist	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Metabolism of other important sugars	Biochemistry	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Citric acid cycle and Regulation	Biochemistry	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Citric acid cycle and Regulation	Biochemistry	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Electron transport system	Biochemistry	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Vitamins: Definition The major groups (fat & water-soluble vitamins) Study the individual vitamins under certain general heading: sources, chemistry, metabolism, physiological	Biochemistry	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam

		functions, deficiency diseases, daily requirements, hypervitaminosis, vitamin antagonists, vitamin A, D, E, K, C & B, niacin, pyridoxine, pantothenic acid, biotin, folic acid			
	2	The major groups (fat & water-soluble vitamins)	Biochemistry	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	sources, chemistry, metabolism,	Biochemistry	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	daily requirements, hypervitaminosis	Biochemistry	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	vitamin A, D, E, K, C & B, niacin	Biochemistry	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Protein and amino acids metabolism  .Dynamic equilibrium and nitrogen balance .Essential and non-essential A.As .Nitrogen catabolism of A.As .Formation of NH <sub>3</sub> and urea .Metabolism and fate of NH <sub>3</sub> in the body a. Formation of urea (urea cycle) inherited disorder associated with urea cycle b. Glutamin	Biochemistry	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam

	<p>formation</p> <p>c.Amination of alpha-ketoacids</p> <p>.Fate of carbon skeletons break down of C,H,O. These pathways converge to form seven intermediate product</p> <p>a.Glycogenic amino acids</p> <p>b.Ketogenic amino acids</p> <p>.Amino acids degradation and synthesis</p> <p>c-A.As forming pyruvate</p> <p>d-A.As forming fumarate</p> <p>e-A.As forming actyl-coA or acetoacyl-coA</p> <p>f-A.As forming succinyl- coA</p> <p>9.Decarboxylation reaction of amino acids and biogenic amines</p> <p>10.Other nitrogen containing compounds which produced from A.As</p> <p>11.Metabolic defects in A.As metabolism</p>			
2	.Dynamic equilibrium and nitrogen balance	Biochemistry	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
2	Essential and non-essential A.As	Biochemistry	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
2	Nitrogen catabolism of	Biochemistry	Theoretical	Short exams

	A.As		lecture using power point	And the quarterly and a half year and final exam
2	Formation of NH <sub>3</sub> and urea	Biochemistry	Theoretical lecture using power point	Short exams And the quarterly and a half year and final exam
2	Metabolism and fate of NH <sub>3</sub> in the body	Biochemistry	Theoretical lecture using power point	Short exams And the quarterly and a half year and final exam
2	Formation of urea (urea cycle)		Theoretical lecture using power point	Short exams And the quarterly and a half year and final exam

## 11. Course Evaluation

Short exams  
And the quarterly and a half year and final exam

## 12. Learning and Teaching Resources

Required textbooks (curricular books any)	Chemical Bases of life, Textbook of Biochemistry , General Chemistry principle and applications of Inorganic, Organic and Biochemistry
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	



13. Course Name:
General Histology
14. Course Code:
212GH
15. Semester / Year:
Two semester / second phase
16. Description Preparation Date:
2023 / 2024
17. Available Attendance Forms:
Weekly
18. Number of Credit Hours (Total) / Number of Units (Total)
Four hours every week , sex units
19. Course administrator's name (mention all, if more than one name)
Name: MSc. Ayat Rahman Email: drayatrahman@gmail.com
20. Course Objectives
<p>1.It is one of the courses in the Basic Sciences branch that is concerned with the study of cells and tissues in general.</p> <p>2.It is concerned with studying human tissues and cells, their types and functions, and classifying them according to bodily systems.</p> <p>3.The histology laboratory includes examining laboratory samples of theoretically explained tissues, drawing them, and preserving them.</p>
21. Teaching and Learning Strategies
-Lectures using data show power point



- Educational films
- Monitoring students' way of thinking, their ways of expression, and their speed of response
- Developing the student's ability to deal with multiple means of learning

## 22. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4	Hemopoiesis , bone marrow	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
2	ξ	Blood erythrocyte granular leukocyte	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
3	ξ	A granular leukocytes , platelets , haemostasis	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
4	ξ	Cardiovascular system ,heart ,arteries	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
5	ξ	Capillaries ,ve ,arteriovenous connections	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
6	ξ	Lymph vascular system , cells immune system ,thymes ,MATL	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
7	ξ	Lymph nodes ,spleen ,tonsils	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
8	ξ	Digestive system ,general structure ,oral cavity ,l tongue	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests

9	ξ	Palate , parotid ,submandibular ,sublingual glands	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
10	ξ	Pharynx, esophagus , stomach	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
11	ξ	Small and large intestine	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
12	ξ	Liver, pancreas , gall bladder	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
13	ξ	Nervous system neuron ,neuraxons ,synapses	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
14	ξ	CNS , meanings ,cerebrum ,cerebellumspinal cord	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
15	ξ	PNS ,nerve fibers ,nerves ,ganglia	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
16	ξ	Respiratory system ;nasal cavity ,sinuses ,nasopharynx	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
17	ξ	Larynx , trachea , bronchial tree	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
18	ξ	Pulmonary blood vessels ,nerves pleura &lung	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
19	ξ	Urinary system ;nephron with component	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
20	ξ	Collecting tubules &ducts ,juxtaglomerular apparatus	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests

21	ξ	Blood circulation bladder & water	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
22	ξ	Skin ;epidermis layer & cells	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
23	ξ	Dermis ,its layer & cells ,subcutaneous layer	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
24	ξ	Hair ,nails ,glands skin ,vessel & nerve	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
25	ξ	Endocrine gland classification pituitary gland	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
26	ξ	Adrenal gland ,parathyroid gland & pineal body	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
27	ξ	Thyroid gland parathyroid gland & pineal body	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
28	ξ	Reproductive system :testis ,intratesticular genital ducts ,excretory ducts accessory glands & penis	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
29	ξ	Female reproductive ;ovary ,uterus & mammary gland	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests
30	ξ	Sense organs : eye & ear	General Histology	A theoretical lecture using Power Point	The quarterly, short, half and final tests

### 23. Course Evaluation

- 1.Short exams for theoretical and practical
- 2.Semester, mid-year and final exams

### 3.Seminars and discussions in practical lessons

#### 24. Learning and Teaching Resources

Required textbooks (curricular books, if any)	-Atlas of Histology _with function correlations
Main references (sources)	-Atlas of Histology _with function correlations
Recommended books and references (scientific journals, reports...)	Review And Colored Atlas Of Histology part I By Zakaria Abd-Elhamid -Review And Coloured Atlas Of Histology PartII By Zakaria Abd-Elhamid -Histology ain shams -Histology Tanta-Medicine -Histology Kasr AlAiny
Electronic References, Websites	- Histology For 1st year Medical Students Pdf Dr.khaled Elmosalamy

25.	Course Name:
	General physiology
26.	Course Code:
	213PH
27.	Semester / Year:
	two semester/ second stage
28.	Description Preparation Date:
	2023/2024
29.	Available Attendance Forms:
	Weekly
30.	Number of Credit Hours (Total) / Number of Units (Total)
	60 hours theoretical/60 hours practical
31.	Course administrator's name (mention all, if more than one name)
	Name: reyam abbas abed Email:riamab46@gmail.com
32.	Course Objectives
	a. Cognitive objectives 1. Teaching the student the functions of body organs 2. Study of diseases that affect the body's organs B. Course-specific skills objectives C. Emotional and value goals 1. Problem solving 2. Leadership ability
33.	Teaching and Learning Strategies
	Teaching and learning methods 1- Attending lectures 2- Short and quick daily exams 3- The final exam 5- The method of giving questions and room for

discussion to solve them during the lecture 6- The ability to solve problems and possess distinctive thinking 7- The ability to lead student groups 8-Students and follow the student's thinking style

Evaluation methods 1- It depends on the extent of the student's attendance and commitment to the lecture and his keeping up with the professors' explanations

2 Short exams to evaluate the student's understanding of the material presented and explained in the lecture

Planned exams such as the semester, mid-year and final exams

#### 34. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
	2	Cell physiology	Physiology	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Nerv and muscle Microanatomy of nerves	Physiology	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Nerves(types of nerves)	Physiology	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Nervous System	Physiology	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Nervous System	Physiology	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam

	2	Nervous System	Physiology	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Red blood cells	Physiology	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Blood groups	physiology	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Blood coagulation	Physiology	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Cardiovascular system	Physiology	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
1	2	Cardiovascular system	Physiology	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Cardiovascular system	Physiology	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	Cardiovascular system	Physiology	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2	RESPIRATORY SYSTEM		Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
	2		Physiology	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam

2	Half-year Break	Physiology	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
2	RESPIRATORY SYSTEM	Physiology	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
2	RESPIRATORY SYSTEM	physiology	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
2	RENAL SYSTEM AND BODY FLUIDS	Physiology	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
2	RENAL SYSTEM AND BODY FLUIDS	Physiology	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
2	RENAL SYSTEM AND BODY FLUIDS	Physiology	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
2	ENDOCRINE SYSTEM	Physiology	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
2	ENDOCRINE SYSTEM	Physiology	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
2	ENDOCRINE SYSTEM	Physiology	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam
2	SPECIAL SENSATION: Vision &Hearing	Physiology	Theoretical lecture using power point	Short exams And the quarterl and a half year and final exam



2	SPECIAL SENSATION: Vision &Hearing	Physiology	Theoretical lecture using power point	Short exams And thequarterl and a half year and final exam
2	ORAL CAVITY	Physiology	Theoretical lecture using power point	Short exams And thequarterl and a half year and final exam
2	ORAL CAVITY	Physiology	Theoretical lecture using power point	Short exams And thequarterl and a half year and final exam
2	GASTROINTESTIONAL TRACT	Physiology	Theoretical lecture using power point	Short exams And thequarterl and a half year and final exam
2	GASTROINTESTIONAL TRACT	Physiology	Theoretical lecture using power point	Short exams And thequarterl and a half year and final exam

### 35. Course Evaluation

### 36. Learning and Teaching Resources

Required textbooks (curricular books any)	Medical Physiology 4 th edition Essentials of physiology for den students
Main references (sources)	
Recommended books and references (scientific journals, reports...)	Reports published on the colle website
Electronic References, Websites	College website

37. Course Name:
Oral Histology
38. Course Code:
210Oral Em
39. Semester / Year:
Two semester / second phase
40. Description Preparation Date:
2023 / 2024
41. Available Attendance Forms:
Weekly
42. Number of Credit Hours (Total) / Number of Units (Total)
Four hours every week , sex units
43. Course administrator's name (mention all, if more than one name)
<a href="mailto:dr.alikhalaf@uomisan.edu.iq">dr.alikhalaf@uomisan.edu.iq</a> Prof.Dr. Ali Khalaf
44. Course Objectives
Preparing dentists who are able to know the types of oral and dental tissues, know the method of cutting oral and dental tissues in the laboratory, how to use an optical microscope and tissue cutting devices, and know the types of dyes used to dye different oral tissues.
45. Teaching and Learning Strategies
Theoretical lectures using data show LCD Slide projector inside the laboratory
46. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4	Slide preparation Sectioning, Staining	Oral histology	Data show slides and Lab. Slide preparation	The quarterly, short, half and final tests
2	ε	Development of teeth	Oral histology	Data show slides and microscopic slides	The quarterly, short, half and final tests
3	ε	Morphogenesis and Histogenesis	Oral histology	Data show slides and microscopic slides	The quarterly, short, half and final tests
4	ε	Enamel: physical and chemical characteristics	Oral histology	Data show slides and microscopic slides	The quarterly, short, half and final tests
5	ε	Amelogenesis, ameloblast life cycle	Oral histology	Data show slides and microscopic slides	The quarterly, short, half and final tests
6	ε	Clinical consideration: Genetic and local factors	Oral histology	Data show slides and microscopic slides	The quarterly, short, half and final tests
7	ε	Dentine: Physical and chemical properties	Oral histology	Data show slides and microscopic slides	The quarterly, short, half and final tests
8	ε	Dentinogenesis: Different kinds of dentine	Oral histology	Data show slides and microscopic slides	The quarterly, short, half and final tests
9	ε	Odontoblast cycle, innervation theories	Oral histology	Data show slides and microscopic slides	The quarterly, short, half and final tests
10	ε	Pulp: Formation and development	Oral	Data show slides and microscopic	The quarterly, short, half and

			histology	slides	final tests
11	ε	Pulp stone ,Clinical consideration	Oral histology	Data show slides and microscopic slides	The quarterly, short, half and final tests
12	ε	Root formation	Oral histology	Data show slides and microscopic slides	The quarterly, short, half and final tests
13	ε	Clinical consideration	Oral histology	Data show slides and Lab. Slide preparation	The quarterly, short, half and final tests
14	ε	Cementum: Physi and chemi characters	Oral histology	Data show slides and microscopic slides	The quarterly, short, half and final tests
15	ε	Cementogenesis	Oral histology	Data show slides and microscopic slides	The quarterly, short, half and final tests
16	ε	Clinical consideration	Oral histology	Data show slides and microscopic slides	The quarterly, short, half and final tests
17	ε	Periodontium	Oral histology	Data show slides and microscopic slides	The quarterly, short, half and final tests
18	ε	Principles fil grouping	Oral histology	Data show slides and microscopic slides	The quarterly, short, half and final tests
19	ε	Oral mucosa	Oral histology	Data show slides and microscopic slides	The quarterly, short, half and final tests
20	ε	Non keratiniz epithelium	Oral	Data show slides and microscopic	The quarterly, short, half and

			histology	slides	final tests
21	ε	keratinized epithelium	Oral histology	Data show slides and microscopic slides	The quarterly, short, half and final tests
22	ε	Junctional epithelia	Oral histology	Data show slides and microscopic slides	The quarterly, short, half and final tests
23	ε	Salivary glands	Oral histology	Data show slides and microscopic slides	The quarterly, short, half and final tests
24	ε	Eruption	Oral histology	Data show slides and microscopic slides	The quarterly, short, half and final tests
25	ε	Shedding	Oral histology	Data show slides and microscopic slides	The quarterly, short, half and final tests
26	ε	Maxillary sinus	Oral histology	Data show slides and microscopic slides	The quarterly, short, half and final tests
27	ε	Temperomandibular joint	Oral histology	Data show slides and microscopic slides	The quarterly, short, half and final tests
28	ε	Histochemistry	Oral histology	Data show slides and microscopic slides	The quarterly, short, half and final tests
29	ε	Identification glycogen in connective tissue	Oral histology	Data show slides and microscopic slides	The quarterly, short, half and final tests
30	ε	Uses of PAS and Alcian stain	Oral	Data show slides and microscopic	The quarterly, short, half and

			histology	slides	final tests
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#### 47. Course Evaluation

- 1.Short exams for theoretical and practica
- 2.Semester, mid-year and final exams
- 3.Seminars and discussions in practical lessons

#### 48. Learning and Teaching Resources

Required textbooks (curricular books, if any)	TEXT BOOK OF GRBANS TENCATE
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

49. Course Name:
Human Anatomy
50. Course Code:
215AN
51. Semester / Year:
2023–2024 An annual study consisting of two semesters
52. Description Preparation Date:
15/2/2024
53. Available Attendance Forms:
Theoretical lectures and practical lab.
54. Number of Credit Hours (Total) / Number of Units (Total)
70 hours theory & 60 hours practical / 4 unites
55. Course administrator's name (mention all, if more than one name)
Name: Ass. Lecturer Oras Kadhim Baqer Email: oraskadhim1@uomanara.edu.iq
56. Course Objectives
The scientific preparation of the student with regard to human anatomy, especially what is related to the anatomy of the head and neck and its relationship to his precise specialization as a dentist.
57. Teaching and Learning Strategies
<ul style="list-style-type: none"> <li>- Lectures using the power point program (data show)</li> <li>- Educational films.</li> <li>- Guiding students to some websites to benefit from them.</li> <li>- Practical laboratory on anatomical models.</li> </ul>
58. Course Structure

Week	Hou rs	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	۲	The students learn the anatomy of Scalp	Scalp	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
2	۲	The students learn the anatomy of face	Face	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
3	۲	The students learn the anatomy of Parotid gland	Parotid gland	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
4	۲	The students learn the anatomy of Facial artery	Facial artery	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
5	۲	The students learn the anatomy of Temporal fossa and infra temporal fossa	Temporal fossa and infra temporal fossa	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
6	۲	The students learn the anatomy of Temporal fossa and infra temporal fossa	Temporal fossa and infra temporal fossa	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
7	۲	The students learn the anatomy of Temporal fossa and infra	Temporal fossa and infra temporal fossa	Lecture using power point program	Quizzes and Exams: quarterly, half year and



		temporal fossa			Final
8	۲	The students learn the anatomy of Temporal fossa and infra temporal fossa	Temporal fossa and infra temporal fossa	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
9	۲	The students learn the anatomy of Orbit	Orbit	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
10	۲	The students learn the anatomy of Orbit	Orbit	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
11	۲	The students learn the anatomy of Nasal cavity	Nasal cavity	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
12	۲	The students learn the anatomy of Nasal cavity	Nasal cavity	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
13	۲	The students learn the anatomy of Cranial nerves	Cranial nerves	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
14	۲	The students learn the anatomy of Cranial	Cranial nerves	Lecture using power point	Quizzes and Exams:

		nerves		program	quarterly, half year and Final
15	۲	The students learn the anatomy of Central nervous system	Central nervous system	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
16	۲	The students learn the anatomy of Neck	Neck	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
17	۲	The students learn the anatomy of Neck	Neck	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
18	۲	The students learn the anatomy of Neck	Neck	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
19	۲	The students learn the anatomy of Pharynx	Pharynx	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
20	۲	The students learn the anatomy of Alimentary tract	Alimentary tract	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final

21	۲	The students learn the anatomy of Alimentary tract	Alimentary tract	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
22	۲	The students learn the anatomy of Alimentary tract	Alimentary tract	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
23	۲	The students learn the anatomy of Alimentary tract	Alimentary tract	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
24	۲	The students learn the anatomy of Alimentary tract	Alimentary tract	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
25	۲	The students learn the anatomy of Major body vessels	Major body vessels	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
26	۲	The students learn the anatomy of Major body vessels	Major body vessels	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
27	۲	The students learn the anatomy of nerve block	Anatomy of nerve block	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final

28	۲	The students learn the anatomy of nerve block	Anatomy of nerve block	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
29	۲	The students learn the anatomy of Lymph drainage of head and neck	Lymph drainage of head and neck	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final
30	۲	The students learn the anatomy of Spaces of head and neck	Spaces of head and neck	Lecture using power point program	Quizzes and Exams: quarterly, half year and Final

#### 59. Course Evaluation

#### 60. Learning and Teaching Resources

Required textbooks (curricular books, if any)	1.Snell's Clinical anatomy 7th edition. 2. Netter's head and neck anatomy for dentistry 2nd edition 2012.
Main references (sources)	1.Snell's Clinical anatomy 7th edition. 2. Netter's head and neck anatomy for dentistry 2nd edition 2012.
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:
Microbiology
2. Course Code:
316MB
3. Semester / Year:
Two semesters – first stage
4. Description Preparation Date:
2023–2024
5. Available Attendance Forms:
Weekly attendance at the college
6. Number of Credit Hours (Total) / Number of Units (Total): 60 theoretical hours and 60 practical hours
7. Course administrator's name (mention all, if more than one name)
Name: Dr. Mohammed Jasim Qasim Email: mohammedjassimqasim721@uomanara.edu.iq
8. Course Objectives
<p>The microbiology lesson aims to identify the principles of microbiology and epidemiological diseases.</p> <p>This course aims to know the characteristics of microorganisms in general and their specific characteristics</p> <p>Pathological microorganisms such as bacteria, fungi, viruses, and the mechanics of causing diseases</p> <p>By these organisms, their diagnosis, and how to differentiate between each of these pathogens</p>

And the tests that detect them, treat them, and identify non-pathogenic (beneficial) bacteria.

Naturally present in the body and its effects on pathogenic organisms on the one hand, this also aims to

The course covers the study of immunity, the mechanics of the body's defenses, and the immune response to diseases, and addresses

To sterilization methods

## 9. Teaching and Learning Strategies

-Knowledge and understanding

A1- Identifying microscopic organisms that are beneficial to humans

A2- Identifying pathogenic microorganisms

A 3- Methods of transmission and diagnosis (laboratory)

A4- Identifying the body's immunity and its types (natural and acquired)

A 5- The relationship between the human body and microscopic organisms in general

A6- Identify sterilization methods

B - Subject-specific skills

B1 - Learn modern methods for diagnosing pathological microorganisms

B2 - Identify the microorganisms that cause new epidemics

B3 - Multiple causes of different diseases

C- Emotional and value goals

C-1 Interrogation

C-2 Discussion

C-3 Laboratory experiments and reports

C-4 Extrapolation

D - General and transferable skills (other skills related to the employability and development of the person (Sy).

D-1 Creating and developing lectures annually

D-2 Follow up on published research related to the subject

D-3 Conduct quarterly and annual research through personal and group efforts and publish it in Arab magazines

And international

D-4 Discussing the curriculum with stakeholders and specialists in order to reach the best

Teaching and learning methods

All educational methods used, such as PowerPoint, presentation, and comprehensive reports. experimental, in addition to

Practical experiences and what was mentioned above.

The method of teaching changes according to the student's perception and interaction with the lecture. It may be... The method of discussion, the method of interrogation, or the method of inference and deduction... It may be... All methods at the same time, in addition to

Using laboratories and practical experiments to increase the student's understanding and awareness.

## 10. Course Structure

Week	Hou rs	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	٢	Morphology, Ultra structures, physiology and metabolism of microorganisms:- Eukaryotic & Prokaryotic cells -Cell structure of prokaryotes - Comparison between G+ve & G-ve cell wall	Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
2	٢	Microbial growth, growth curve -Metabolism of microorganism Molecular	Microbiology	Presentation software Or	Short, semester, mid-year and final exams

		biology & bacterial genetics		pdf	
3	२	Microbial growth, growth curve -Metabolism of microorganism Molecular biology & bacterial genetics	Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
4	२	Sterilization and Disinfection	Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
5	२	Antibiotic and chemotherapy:- -Antibiotic, sources -Mode of action of antibiotic -Anti-microbial sensitivity tests -Bacterial resistance -Prophylactic use	Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
6	२	Introduction to general immunology and oral immunology - Non-specific and specific immunity - Antigen - Immunoglobulin - Humeral and Cellular Immunity	Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
7	२	Cells and organs of the immune system - Complement system - Human leukocyte antigen - Role of complement and HLA in oral disease	Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
8	२	- Hypersensitivity reactions	Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
9	२	- Amimicrobial and immunological defenses of saliva and gingival crevicular fluid components	Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
10	२	Host-parasite relationship & Nosocomial infection - Symbiosis, Conuensialism,	Microbiology	Presentation software Or	Short, semester, mid-year and final exams



		Amphibiosis, Antagonistic - Sources of infection in hospital and -nosocomial infections -Post-operative wound infection, burns infections		pdf	
11	۲	Staphylococci	Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
12	۲	-Virulence factors - and pathogenesis	Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
13	۲	-Epidemiology, treatment and prevention	Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
14	۲	G- negative diplococci , Vellionella and Moraxella Neisseria gonorrhoea, N. meningitidis	Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
15	۲	Lactobacilli, Actinomyces and Corynebacterium diphtheriae & Diphtheroids	Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
16	۲	Bacillus: B. subtilis, B. anthracis and B.cereus	Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
17	۲	Clostridium : C. perfringens , C. tetani, C. botulinum, and difficile	Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
18	۲		Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
19	۲		Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams

20	۲	Enterobacteriaceae	Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
21	۲	-E.coli, Salmonella, Shigella,	Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
22	۲		Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
23	۲	Enterobacter, Klebsiella, proteus, Yersinia	Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
24	۲		Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
25	۲		Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
26	۲	Mycobacterium	Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
27	۲	-Tuberculosis & Lepae	Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
28	۲		Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
29	۲	Brucella, Haemophilus, Vibrio	Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams
30	۲	- Aggregatibacter, porphyromonas, prevotella, Bacteroids	Microbiology	Presentation software Or pdf	Short, semester, mid-year and final exams

## 11. Course Evaluation

.Evaluation methods: monthly, semester, final, and short exams  
Laboratory reports, attendance and absences

## 12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Kuby Immunology Eighth Edition ©2019
Main references (sources)	Essential Microbiology for Dentistry 5th Edition (2018)
Recommended books and references (scientific journals, reports...)	Cell Biology,3 edition.2017
Electronic References, Websites	Accredited websites such as CBC  Bub-Med and WHO

13. Course Name:

Pharmacology

14. Course Code:

317PHC

15. Semester / Year:

3<sup>rd</sup> year, first & second semester

16. Description Preparation Date:

1\2\2024

17. Available Attendance Forms:

Attendance at all lectures and clinical sessions

18. Number of Credit Hours (Total) / Number of Units (Total)

Total hours: 30 theory + 60 practical = 90 hours  
Total units: 4 units

19. Course administrator's name (mention all, if more than one name)

Name :Dr.Roya Abu Al-Qasim

20. Course Objectives

Preparing students with a high level of knowledge and precision in dealing with medications It is related to his precise specialty as a dentist and other specialties (medicine in general) so that no kind of interference occurs.

21. Teaching and Learning Strategies

Power point

22. Course Structure

Week	Hours	Required Learning	Unit or subject name	Learning	Evaluation
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		<b>Outcomes</b>		<b>method</b>	<b>method</b>
1	2	<b>General Pharmacology</b>	<b>pharmacology</b>	Power point	Quizzes and Exams: quarterly, half year and Final
2	2	<b>Pharmacokinetics &amp; Pharmacokinetics</b>	<b>Pharmacology</b>	Power point	Quizzes and Exams: quarterly, half year and Final
3	2	<b>Cholinergic system ( agonists ) &amp; Cholinergic antagonists or blocke</b>	<b>pharmacology</b>	Power point	Quizzes and Exams: quarterly, half year and Final
4	2	<b>Adrenergic system &amp; Adrenergic Agonists</b>	<b>pharmacology</b>	Power point	Quizzes and Exams: quarterly, half year and Final
5	2	<b>Adrenergic Antagonists</b>	<b>pharmacology</b>	Power point	Quizzes and Exams: quarterly, half year and Final
6	2	<b>Management of hypertension</b>	<b>pharmacology</b>	Power point	Quizzes and Exams: quarterly, half year and Final
7	2	<b>Management of heart failure</b>	<b>pharmacology</b>	Power point	Quizzes and Exams:

				point	quarterly, half year and Final
8	2	<b>Management of angina</b>	<b>pharmacology</b>	Power point	Quizzes and Exams: quarterly, half year and Final
9	2	<b>Management of arrhythmias</b>	<b>pharmacology</b>	Power point	Quizzes and Exams: quarterly, half year and Final
10	2	<b>Management of hyperlipidemias</b>	<b>pharmacology</b>	Power point	Quizzes and Exams: quarterly, half year and Final
11	2	<b>Management of hyperglycemia</b>	<b>pharmacology</b>	Power point	Quizzes and Exams: quarterly, half year and Final
12	2	<b>Anxiolytic and Hypnotic drugs</b>	<b>pharmacology</b>	Power point	Quizzes and Exams: quarterly, half year and Final
13	2	<b>Narcotic analgesics</b>	<b>pharmacology</b>	Power point	Quizzes and Exams: quarterly, half year and

					Final
14	2	<b>Local anesthetics &amp; General anesthetics</b>	<b>pharmacology</b>	Power point	Quizzes and Exams: quarterly, half year and Final
15	2	<b>NSAIDs &amp; Disease-modify antirheumatic agents and drugs used in the treatment of gout</b>	<b>pharmacology</b>	Power point	Quizzes and Exams: quarterly, half year and Final
16	2	<b>Chemotherapeutic agent Penicillin's &amp; Cephalosporins</b>	<b>pharmacology</b>	Power point	Quizzes and Exams: quarterly, half year and Final
17	2	<b>Protein synthesis inhibitors 1 &amp; Protein synthesis inhibitors 2</b>	<b>pharmacology</b>	Power point	Quizzes and Exams: quarterly, half year and Final
18	2	<b>Quinolones, Folic Acid Antagonists and Urinary Tract Antiseptics</b>	<b>pharmacology</b>	Power point	Quizzes and Exams: quarterly, half year and Final
19	2	<b>Antimycobacterial &amp; Antiprotozoal</b>	<b>pharmacology</b>	Power point	Quizzes and Exams: quarterly, half year and Final

20	2	<b>Antifungal &amp; Drugs used for supragingival plaque</b>	pharmacology	Power point	Quizzes and Exams: quarterly, half year and Final
21	2	<b>Antiviral</b>	pharmacology	Power point	Quizzes and Exams: quarterly, half year and Final
22	2	<b>Autacoids</b>	pharmacology	Power point	Quizzes and Exams: quarterly, half year and Final
23	2	<b>Drugs acting on respiratory system</b>	pharmacology	Power point	Quizzes and Exams: quarterly, half year and Final
24	2	<b>Adrenocortico-steriod Hormones</b>	pharmacology	Power point	Quizzes and Exams: quarterly, half year and Final
25	2	<b>Drugs acting on GIT and vomiting management</b>	pharmacology	Power point	Quizzes and Exams: quarterly, half year and Final
26	2	<b>Immunomodulating drugs</b>	pharmacology	Power point	Quizzes and Exams: quarterly,



					half year and Final
27	2	<b>Diuretics</b>	<b>pharmacology</b>	Power point	Quizzes and Exams: quarterly, half year and Final
28	2	<b>Thyroid hormones and antithyroid drugs</b>	<b>pharmacology</b>	Power point	Quizzes and Exams: quarterly, half year and Final
29	2	<b>Anticoagulants and antianemic medications</b>	<b>pharmacology</b>	Power point	Quizzes and Exams: quarterly, half year and Final
30	2	<b>Sex hormones and contraceptive drugs</b>	<b>Pharmacology</b>	Power point	Quizzes and Exams: quarterly, half year and Final

### 23. Course Evaluation

Quizzes and Exams: quarterly, half year and Final

### 24. Learning and Teaching Resources

Required textbooks (curricular books, if any)

Lippincott illustrate review of pharmacology

Main references (sources)

Recommended books and references (scientific journals, reports...)	
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Electronic References, Websites	
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25. Course Name:
Community dentistry
26. Course Code:
318CM
27. Semester / Year:
3 <sup>rd</sup> year, first & second semester
28. Description Preparation Date:
1\2\2024
29. Available Attendance Forms:
Attendance at all lectures and clinical sessions
30. Number of Credit Hours (Total) / Number of Units (Total)
Total hours: 30 theory + 60 practical = 90 hours Total units: 4 units
31. Course administrator's name (mention all, if more than one name)
Name: Ousama Aziz ibrahim Email: ousama.ibrahim@gmail.com
32. Course Objectives
<ul style="list-style-type: none"> <li>- to provide the students' knowledge in periodontology about: epidemiology studies, dental public care, epidemiology of caries, periodontal diseases and oral diseases, principles of forensic dentistry, fluoridation, healthy dental practice, and ethics in dentistry</li> </ul>
33. Teaching and Learning Strategies
Theory and clinical teaching and training

### 34. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	Knowledge about dental public health	Dental public health	PowerPoint, Videos, clinic	Quiz, MCQs, Clinical evaluation
2	4	Knowledge about dental public care	Dental public care	=	=
3	3	Knowledge about epidemiology	Epidemiology	=	=
4	3	Knowledge about types of research in epidemiology	Epidemiological studies	=	=
5	3	=	Experimental studies	=	=
6	3	Knowledge about caries distribution	Epidemiology of caries	=	=
7	3	Knowledge about periodontal diseases distribution	Epidemiology of periodontal disease	=	=
8	3	Knowledge about cancer distribution	Epidemiology of oral cancer	=	=
9	3	Knowledge about dental indexes	Dental indices	=	=
10	3	Training in clinic about caries assessment	Caries assessment	=	=
11	3	Training in clinic about assessment of periodontal disease	Perio. disease assessment	=	=
12	3	Knowledge about fluorosis	Fluorosis	=	=
13	3	Knowledge about biostatistics	Biostatistics 1	=	=
14	3	Knowledge about data presentation	Data presentation	=	=
15	3	Knowledge about biostatistics	Biostatistics 2	=	=
16	3	Knowledge about fluoridation	Fluoridation 1	=	=
17	3	=	Fluoridation 2	=	=
18	3	Knowledge about occupational hazards	Occupational hazards	=	=
19	3	Knowledge about Environment & health	Environment & health	=	=
20	3	Knowledge about Air pollution	Air pollution & health	=	=

		health			
21	3	Knowledge about Dental college health program	Dental college health program	=	=
22	3	Knowledge about treatment need	Treatment need	=	=
23	3	Knowledge about dental manpower	Dental manpower	=	=
24	3	Knowledge about ethics	Ethics in dentistry	=	=
25	3	Knowledge about care of geriatric	Care for special population	=	=
26	3	Knowledge about forensic in dentistry	Forensic dentistry	=	=
27	3	Knowledge about dental auxiliary personal	Dental auxiliary personal	=	=
28	3	Knowledge about primary health care	Primary health care	=	=
29	3	training about infection control procedures in dental clinic	Infection control	=	=
30	3	Knowledge about dental health education	Dental health education	=	=

### 35. Course Evaluation

Subject concern about relation between dentistry and society, epidemiology of dental diseases, the roll of dentists in public health.

### 36. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Ousama ibrahim and Baghdad college lectures
Main references (sources)	- Preventive and Community Dentistry Public Health Dentistry Third Edition.
Recommended books and references (scientific journals, reports...)	A Textbook of Public Health Dentistry, CM Marya, JAYPEE BROTHERS MEDICAL PUBLISHERS (P) LTD,2011
Electronic References, Websites	

37. Course Name:

Preclinical conservative dentistry

38. Course Code:

319CV

39. Semester / Year:

3<sup>rd</sup> year, first & second semester

40. Description Preparation Date:

9\2\2024

41. Available Attendance Forms:

Attendance at all lectures and clinical sessions

42. Number of Credit Hours (Total) / Number of Units (Total)

Total hours: 60 theory + 180 practical = 240 hours

Total units: 10 units

43. Course administrator's name (mention all, if more than one name)

Name & Email: Fatima Radi hamady \ [fatttima95@gmail.com](mailto:fatttima95@gmail.com)

Seham Naif Sais \ [dr.sihamsayes@gmail.com](mailto:dr.sihamsayes@gmail.com)

44. Course Objectives

- to provide the students knowledge in conservative dentistry about: dental filling and diagnosis of caries.
- training in lab. about principles of cavity preparation.
- training in lab. about principles of preparation of crown and bridge, and different steps of fabricating crown including impressions, waxing and casting.

45. Teaching and Learning Strategies

- Training in Lab about filling preparation and crown preparation
- Theory. Lectures about filling materials and fixed prosthodontics.

46. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4	Definition of operative dentistry	Operative Dentistry	PowerPoint, Videos, training in lab	Quiz, MCQs, Lab. evaluation
2	4	Definition of operative dentistry	Operative Dentistry	=	=
3	4	Instruments and general instrumentation of cavity preparation 1	Operative Dentistry	=	=
4	4	Instruments and general instrumentation of cavity preparation 2	Operative Dentistry	=	=
5	4	Sterilization of operative instruments 1	Operative Dentistry	=	=
6	4	Sterilization of operative instruments 2	Operative Dentistry	=	=
7	4	Amalgam cavity preparations for class I	Operative Dentistry	=	=
8	4	Amalgam cavity preparations for class I	Operative Dentistry	=	=
9	4	Amalgam cavity preparations for class II	Operative Dentistry	=	=
10	4	Amalgam cavity preparations for class II	Operative Dentistry	=	=
11	4	Amalgam cavity preparations for class II (MOD)	Operative Dentistry	=	=
12	4	Amalgam cavity preparations for class II (MOD)	Operative Dentistry	=	=
13	4	Amalgam cavity preparations for class III and class V	Operative Dentistry	=	=
14	4	Amalgam cavity preparations for class III and class V	Operative Dentistry	=	=

15	4	Cavity liners and cement bases (part 1)	Operative Dentistry	=	=
16	4	Cavity liners and cement bases (part 1)	Operative Dentistry	=	=
17	4	Cavity liners and cement bases (part 2)	Operative Dentistry	=	=
18	4	Cavity liners and cement bases (part 2)	Operative Dentistry	=	=
19	4	Dental amalgam alloys (material)	Operative Dentistry	=	=
20	4	Dental amalgam alloys (material)	Operative Dentistry	=	=
21	4	Complex amalgam restoration	Operative Dentistry	=	=
22	4	Complex amalgam restoration	Operative Dentistry	=	=
23	4	Failures in amalgam restorations	Operative Dentistry	=	=
24	4	Failures in amalgam restorations	Operative Dentistry	=	=
25	4	Tooth colored restorations (composite)	Operative Dentistry	=	=
26	4	Tooth colored restorations (composite)	Operative Dentistry	=	=
27	4	Cavity preparation for anterior restorations	Operative Dentistry	=	=
28	4	Cavity preparation for anterior restorations	Operative Dentistry	=	=
29	4	Resin material	Operative Dentistry	=	=
30	4	Resin material	Operative Dentistry	=	=
1	4	Principles of crown and bridge	Definitions 1		
2	4	=	Definitions 2		
3	4	=	Definitions 3		
4	4	=	Biomechanical principles of tooth preparation:		
5	4	=	Biomechanical principles of tooth preparation:		
6	4	=	Biomechanical principles of tooth preparation:		
7	4	=	Full metal crown		
8	4	=	Full metal crown		
9	4	=	Porcelain fused to metal crown		
10	4	=	Porcelain fused to metal crown		
11	4	=	Complete ceramic crown		



			(Porcelain Jacket Crown)		
12	4	=	Complete ceramic crown (Porcelain Jacket Crown)		
13	4	=	Partial veneer crown (three quarter crown)		
14	4	=	Partial veneer crown (three quarter crown)		
15	4	=	Post crown		
16	4	=	Post crown		
17	4	=	Impression for crown and bridge work		
18	4	=	Impression for crown and bridge work		
19	4	=	Provisional restoration		
20	4	=	Provisional restoration		
21	4	=	Working cast and dies		
22	4	=	Working cast and dies		
23	4	=	Waxing, investing, casting		
24	4	=	Waxing, investing, casting		
25	4	=	Finishing of the casting and clinical try-in		
26	4	=	Finishing of the casting and clinical try-in		
27	4	=	Cementation		
28	4	=	Cementation		
29	4	=	CAD /CAM Technology		

			for crown construction		
30	4	=	CAD /CAM Technology for crown construction		

#### 47. Course Evaluation

This Subject consists of two parts. fixed prosthodontics concern about replacement of extracted teeth with crown and bridge ( fixed prosthodontics). tooth preparation may be the most important part. esthetic is very important in this field of dentistry. second part concern about restorative dentistry, including caries treatment and different kinds of dental fillings.

#### 48. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Dr Fatima & Dr Seham lectures and Baghdad university lectur
Main references (sources)	1- Summitt's fundamentals of operative dentistry A contemporary approach. 4th edition  2- Art and science of operative dentistry 7th edition
Recommended books and references (scientific journals, reports...)	1- Fundamentals of Fixed Prosthodontics, 2012, Quintessence Pub. SHILLINGBURG, H. T. & SATHER, D. A.  2- Contemporary Fixed Prosthodontics, 2016 Elsevier. ROSENSTIEL, S. F., LAND, M. F. & FUJIMOTO, J.
Electronic References, Websites	



49.	Course Name:				
Dental Radiology					
50.	Course Code:				
320RL					
51.	Semester / Year:				
: 1 <sup>st</sup> sem. & 2 <sup>nd</sup> Sem./ 3 <sup>th</sup> level					
52.	Description Preparation Date:				
6/02/2024					
53.	Available Attendance Forms:				
Lectures & labs					
54.	Number of Credit Hours (Total) / Number of Units (Total)				
hours 90 hours					
55.	Course administrator's name (mention all, if more than one name)				
Name: MSC.Deya Email: deyadent01@gmail.com					
56.	Course Objectives				
1-Building a research educational base capable of keeping pace with and absorbing the continuous and continuous development in radiology and its various applications.					
2- Graduating distinguished generations capable of absorbing advanced modern technology through academic standards and local and international benchmarks.					
3- Continuous development and updating of educational and research programs and keeping pace with the needs of society.					
4- Commitment to academic work ethics.					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	1 theoretical hours	Understand the concepts & basics	Physics of radiation (introduction and definitions of nature of radiation, type of radiation)	Deliver the lecture with explanation & clarification using power point	Quiz

2	1 theoretical hours	Understand the concepts & basics	Production of radiation(x-ray machine, interaction of x-ray with matter) composition of matter	Deliver the lecture with explanation & clarification using power point	Quiz
3	1 theoretical hours	Understand the concepts & basics	Film imaging (types of x-ray films, processing cycle, dark room, intensifying screen	Deliver the lecture with explanation & clarification using power point	Quiz
4	1 theoretical hours	Understand the concepts & basics	Factors controlling x-ray beam , dosimetry and inverse square law	Deliver the lecture with explanation & clarification using power point	Quiz
5	1 theoretical hours	Understand the concepts & basics	Projection geometry (sharpness, distortion, image characteristic and artifacts)	Deliver the lecture with explanation & clarification using power point	Quiz
6	1 theoretical hours	Understand the concepts & basics	Biological effects of radiation (direct & indirect effects, deterministic and stochastic effect	Deliver the lecture with explanation & clarification using power point	Quiz
7	1 theoretical hours	Understand the concepts & basics	Safety and Protection (source of exposure , dose limits , exposure and risk and reducing dental exposure)	Deliver the lecture with explanation & clarification using power point	Quiz
8	1 theoretical hours	Understand the concepts & basics	Intraoral projection (periapical, bitewing, and occlusal radiography)	Deliver the lecture with explanation & clarification using power point	<b>1<sup>st</sup> sem. Exam</b>
9	1 theoretical hours	Understand the concepts & basics	Digital radiography (strength , limitations , comparing with conventional radiography and indications	Deliver the lecture with explanation & clarification using power point	Quiz
10	1 theoretical hours	Understand the concepts & basics	Patient's management (management of pt. child, contrast media & localization technique	Deliver the lecture with explanation & clarification using power point	Quiz
11	1 theoretical hours	Understand the concepts & basics	Cephalometric imaging (technique, indications, evaluation of the Image	Deliver the lecture with explanation & clarification using power point	Quiz

12	1 theoretical hours	Understand the concepts	Panoramic radiography (principles, technique)	Deliver the lecture with explanation & clarification	Quiz
13	1 theoretical hours	Understand the concepts & basics	Craniofacial imaging (types, indication and interpretation)	Deliver the lecture with explanation & clarification using power point	Quiz
14	1 theoretical hours	Understand the concepts & basics	CBCT (principles, components, strength and limitations).	Deliver the lecture with explanation & clarification using power point	Quiz
15	1 theoretical hours	Understand the concepts & basics	CBCT (clinical applications in maxillofacial region, anatomy and interpretations).	Deliver the lecture with explanation & clarification using power point	Quiz
16	1 theoretical hours	Understand the concepts & basics	Radiographic anatomy part 1 (teeth, supporting dentoalv. structures, maxilla and mid facial bones)	Deliver the lecture with explanation & clarification using power point	Quiz
17	1 theoretical hours	Understand the concepts & basics	Radiographic anatomy part 2 (mandible, Tmj, base of skull, air way, restorative materials)	Deliver the lecture with explanation & clarification using power point	Quiz
18	1 theoretical hours	Understand the concepts & basics	Advanced imaging modalities (CT, MRI AND ULTRASOUND)	Deliver the lecture with explanation & clarification using power point	Quiz
19	1 theoretical hours	Understand the concepts & basics	Radiography & Implantology (modalities, indications)	Deliver the lecture with explanation & clarification using power point	Quiz
20	1 theoretical hours	Understand the concepts & basics	Infection control (infection control in radiography clinic, protection of pt., protection of workers)	Deliver the lecture with explanation & clarification using power point	Quiz
21	1 theoretical hours	Understand the concepts & basics	Prescribing diagnostic imaging (radiologic examination and guidelines)	Deliver the lecture with explanation & clarification using power	Quiz

			for ordering imaging)	point	
22	1 theoretical hours	Understand the concepts & basics	Radiographical interpretations of common diseases (interpretation of dental caries, and periodontal disease)	Deliver the lecture with explanation & clarification using power point	Quiz
23	1 theoretical hours	Understand the concepts & basics	Cysts of the jaw (odontogenic and nonodontogenic cysts)	Deliver the lecture with explanation & clarification using power point	2 <sup>nd</sup> Sem. Exam
24	1 theoretical hours	Understand the concepts using power point	Dental anomalies (acquired and developmental)	Deliver the lecture with explanation & clarification & basics	Quiz
25	1 theoretical hours	Understand the concepts & basics	Inflammatory conditions of the jaws (periapical infection, osteomyelitis, pericoronitis)	Deliver the lecture with explanation & clarification using power point	Quiz
26	1 theoretical hours	Understand the concepts & basics	Trauma (dentoalveolar trauma, dental fractures and bone fracture)	Deliver the lecture with explanation & clarification using power point	Quiz
27	1 theoretical hours	Understand the concepts & basics	TMJ abnormalities (anatomy of TMJ, application)	Deliver the lecture with explanation & clarification using power point	Quiz
28	1 theoretical hours	Understand the concepts & basics	Salivary gland disease (imaging modalities, interpretation)	Deliver the lecture with explanation & clarification using power point	Quiz
29	1 theoretical hours	Understand the concepts & basics	Craniofacial anomalies (Cleft lip and palate)	Deliver the lecture with explanation & clarification using power point	Quiz
30	1 theoretical hours	Understand the concepts & basics	Computed tomography (indications, strength, limitations)	Deliver the lecture with explanation & clarification using power point	Quiz

## 57. Course Evaluation

- 1- Quizzes, 1<sup>st</sup> & 2<sup>nd</sup> semester, mid-year and final theoretical exams.
- 2- 2- Practical tests
- 3- Scientific discussion during the theoretical lesson and during the practical part of the course.

**58. Learning and Teaching Resources**

Required textbooks (curricular books, if any)	White and Pharoah’s Oral radiology principles and interpretation. Sanjay Mall and Ernest Lam. 8th edition. 2019, Elsevier
Main references (sources)	<p>1- Essentials of Dental Radiography and Radiology; 3<sup>rd</sup> edition, Eric Whites</p> <p>Dental Radiography Principles and Techniques; 4<sup>th</sup> edition, Joen Lannucci/Laura Jansen Howerton</p>
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	



1. Course Name:
General pathology
2. Course Code:
312PA
3. Semester / Year:
Year
4. Description Preparation Date:
February
5. Available Attendance Forms:
Attendance of students in the lecture hall
6. Number of Credit Hours (Total) / Number of Units (Total)
120 hours divided on (60 h) for theory and (60 h) for practical
7. Course administrator's name (mention all, if more than one name)
Name: Assist. Prof. Dr. Mukhallad A. Ramadhan Email: <a href="mailto:Pathomedref@gmail.com">Pathomedref@gmail.com</a>
8. Course Objectives
The course aim to learn the students the principles of the diseases starting from the cause of the diseases wither it is infections and genetic, the pathogenesis of the diseases, gross and histopathological changes that lead to disturb the function of the organs and systems which expressed as the clinical manifestations of the disease.
9. Teaching and Learning Strategies
Learning strategies includes including the lecture, interactive discussions and preparation of the reports about different pathological topics to encourage the students on the search and getting the information.

## 10. Course Structure

Week	Hou rs	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	To learn the students the principles of cellular degeneration and necrosis	Cell injury	Attendance the lecture teaching videos and teaching images	Monthly exams , Quizes and interacti question
2	2	To learn the students the basics of acute and chronic inflammation	Inflammation	=	=
3	2	How the tissue healing and regeneration occur	Repair	=	=
4	2	To learn the students the circulatory disturbances	Hemodynamics disorders	=	=
5	2	The principles of the immunological diseases i.e hypersensitivity and autoimmune diseases	Immunopathology	=	=
6	2	The common genetic diseases	Genetic diseases	=	=
7	2	Diseases of over and undernutrition	Nutritional diseases	=	=
8	2	The diseases result from atmospheric changes	Environmental diseases	=	=
9	2	The diseases that caused by different infectious agents	Infectious pathology	=	=
10	2	The principles of biology of neoplasms that includes benign and malignant tumors	Neoplasia	=	=
11	2	Diseases that affect the heart i.e. myocardial infarction, angina pectoris	Heart pathology	=	=
12	2	Diseases that damage blood vessels i.e hypertension, vasculitis and vascular tumors	Pathology of vascular system		=
13	2	Diseases that involve respiratory system i.e. COPD	Pathology of respiratory system	=	=
14	2	Diseases that involve the urinary system i.e renal failure, stones and	Pathology of renal system	=	=

		tumors			
15	2	Including types of anemia , leukemia and polycythemia	Pathology of hematopoietic system	=	=
16	2	Reactive lymphoid hyperplasia and lymphoma	Pathology of lymphoid system	=	=
17	2	Bleedings which result from deficiency of the coagulation factors	Bleeding disorders	=	=
18	2	Diseases involve the oral cavity include fever blisters , oral thrush and cancers	Pathology of oral cavity	=	=
19	2	Diseases that involve the stomach i.e. ulcers and intestine i.e enteritis	Pathology of elementary canal	=	=
20	2	Diseases of the liver include fatty liver and cirrhosis.	Pathology of liver and gall bladder	=	=
21	2	Diseases of the pancreas i.e. pancreatitis and pancreatic tumors	Pathology of pancreas	=	=
22	2	Diseases of endocrine system hyper and hypothyroidism as well as the thyroid cysts diseases also diabetes mellitus =	Pathology of endocrine system	=	=
23	2	i.e stroke and meningitis	Pathology of CNS	=	=
24	2	Inflammation of the nerves	Pathology of PNS	=	=
25	2	Muscular dystrophy and muscular atrophy	Pathology of muscular system	=	=
26	2	Osteoporosis, osteopetrosis, osteomyelitis and osteomalacia.	Pathology of skeletal system	=	=
27	2	i.e dermatitis and Psoriasis	Pathology of skin	=	=
28	2	i.e myopia and diplopia	Pathology of eye	=	=
29	2	BPH and prostate cancers	Pathology of prostate	=	=
30	2	Mastitis,, benign and malignant tumors	Breast pathology	=	=

## 11. Course Evaluation

## 12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Muir's textbook of pathology
Main references (sources)	Robin's basic pathology
Recommended books and references (scientific journals, reports...)	Ackermann's surgical pathology
Electronic References, Websites	Web path

1. Course Name:
R.prostodontics
2. Course Code:
310PR
3. Semester / Year:
Thrid
4. Description Preparation Date:
February
5. Available Attendance Forms:
Attendance of students in the lecture hall
6. Number of Credit Hours (Total) / Number of Units (Total)
90 hours
7. Course administrator's name (mention all, if more than one name)
8. Course Objectives
Teaching the basic principles related to the manufacture of acrylic and cobalt chrome partial dentures
9. Teaching and Learning Strategies
Delivering and explaining lectures and clarification using PowerPoint. Use some educational videos to clarify. Reviewing the work steps in the hands of the supervising teacher. Urging students to use the library as a learning method. Using the principle of discussion and dialogue to increase student understanding. Applying education through practical aspect

## 10. Course Structure

Week	Hou rs	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Introduction to Removable Partial Dentures	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
2	2	Terminology & Definitions	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
3	2	Classification of Partially Edentulous Arches	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
4	2	Surveying	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
5	2	Component parts of Removable Partial Dentures	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
6	2	Maxillary Major Connector	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
7	2	Mandibular Major Connector	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
8	2	Minor Connector	R.prosthetic	Power point	Quizzes and Exams:

					quarterly, half year and Final
9	2	Rest and rest seat	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
10	2	Direct Retainers,	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
11	2	Extra Coronal Dire Retainers	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
12	2	Extra Coronal Dire Retainers (Continu	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
13	2	Internal Attachmen	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
14	2	Indirect retainers	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
15	2	Indirect retainers (Continue)	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
16	2	Block out & Relief	R.prosthetic	Power point	Quizzes and Exams:

					quarterly, half year and Final
17	2	Duplication & Refractory Cast Construction	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
18	2	Wax Pattern	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
19	2	Casting, & Finishing	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
20	2	Denture Bases in Removable Partial Dentures	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
21	2	Stress Breaker	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
22	2	Biomechanics of Removable Partial Dentures	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
23	2	Biomechanics of Removable Partial Dentures (Continued)	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
24	2	Principles of Removable Partial Denture Design	R.prosthetic	Power point	Quizzes and Exams: quarterly,



					half year and Final
25	2	Phases of Removable Partial Denture Treatment	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
26	2	Acrylic Removable Partial Dentures	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
27	2	Acrylic Removable Partial Dentures (Continue)	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
28	2	Jaw Relation in Removable Partial Dentures	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
29	2	Repairs and Additions to Removable Partial Dentures	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final
30	2	Special Impression Techniques for Removable Partial Denture (altered cast techniques...etc.)	R.prosthetic	Power point	Quizzes and Exams: quarterly, half year and Final

### 11. Course Evaluation

Practical evaluation of each step of the denture Weekly, monthly, semi-annual and annual exams

### 12. Learning and Teaching Resources

Required textbooks (curricular books, if any)

Boucher, s Prosthodontic treatment for \-edentulous patients  
Removable Partial McCracken,

	1- Prosthodontics
Main references (sources)	Boucher,s Prosthodont treatment for \-edentulous patie s Removable Partial McCracken, 1- Prosthodontics
Recommended books and references (scientific journals, reports...)	Zarb complete denture
Electronic References, Websites	Journal of proth

1. Course Name:
Oral Surgery
2. Course Code:
322OS
3. Semester / Year:
2023-2024
4. Description Preparation Date:
9/2/2024
5. Available Attendance Forms:
Lectures and Seminars
6. Number of Credit Hours (Total) / Number of Units (Total)
30 theory                  60 practical                  6 unit
7. Course administrator's name (mention all, if more than one name)
Name: Dr. Yahya Abd Ali Email: <a href="mailto:dryahyaabdali@gmail.com">dryahyaabdali@gmail.com</a>
8. Course Objectives
The objectives of the course are to prepare the student at a high level of knowledge in relation to oral surgery and to learn about the surgical tools used in surgery, as well as to gain knowledge about the types of local anesthesia and its methods, as well as the problems and complications associated with them.
9. Teaching and Learning Strategies
Cognitive objectives: A-1: Acquiring basic knowledge about oral surgery. A-2 Identifying the surgical instruments used in oral surgery and surgical methods A-3 Basic knowledge of local anesthesia and its methods

## 10. Course Structure

Week	Hou rs	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	1	Diagnosis, prevention and treatment	<b>Diagnosis in oral surgery</b>	Powerpoint lecture	Quizes and Mid and al exam
2	1	Diagnosis, prevention and treatment	<b>Diagnosis in oral surgery</b>	Powerpoin t lecture	
3	1	Diagnosis, prevention and treatment	<b>Infection Control in Surgical Practice</b>	Powerpoin t lecture	Quizes and Mid and al exam
4	1	Diagnosis, prevention and treatment	<b>Extraction of teeth and Contra indications of extraction</b>	Powerpoin t lecture	Quizes and
5	1	Diagnosis, prevention and treatment	<b>General arrangement for extraction and Dental forceps(types)</b>	Powerpoin t lecture	Mid and final exam
6	1	Diagnosis, prevention and treatment	<b>Extraction of teeth and Contra indications of extraction</b>	Powerpoin t lecture	Quizes and
7	1	Diagnosis, prevention and treatment	Den <b>General arrangement for extraction and Dental forceps(types)</b>	Powerpoin t lecture	Mid and final exam

8	1	Diagnosis, prevention and treatment	<b>General arrangement for extraction and Dental forceps(types)</b>	Powerpoint lecture	Quizes and Mid and final exam
9	1	Diagnosis, prevention and treatment	<b>Techniques of forceps extraction and post-operative instructions</b>	Powerpoint lecture	Quizes and
10	1	Diagnosis, prevention and treatment	<b>Elevators</b>	Powerpoint lecture	Mid and final exam
11	1	Diagnosis, prevention and treatment	<b>Elevators</b>	Powerpoint lecture	Quizes and
12	1	Diagnosis, prevention and treatment	<b>Complications of dental extraction</b>	Powerpoint lecture	Mid and final exam
13	1	Diagnosis, prevention and treatment	<b>Complications of dental extraction</b>	Powerpoint lecture	Quizes and
14	1	Diagnosis, prevention and treatment	<b>Basic surgical instruments</b>	Powerpoint lecture	Mid and final exam
15	1	Diagnosis, prevention and treatment	<b>Introduction local anesthesia</b>	Powerpoint lecture	Quizes and

16	1	Diagnosis, prevention and treatment	<b>Pharmacology of local anesthesia</b>	Powerpoint lecture	Mid and final exam
17	1	Diagnosis, prevention and treatment	<b>Pharmacology of local anesthesia</b>	Powerpoint lecture	Quizes and
18	1	Diagnosis, prevention and treatment	<b>Pharmacology of local anesthesia</b>	Powerpoint lecture	Mid and final exam
19	1	Diagnosis, prevention and treatment	<b>Pharmacology of local anesthesia</b>	Powerpoint lecture	Quizes and
20	1	Diagnosis, prevention and treatment	<b>Instruments of local anesthesia</b>	Powerpoint lecture	Mid and final exam
21	1	Diagnosis, prevention and treatment	<b>Techniques of local anesthesia</b>	Powerpoint lecture	Quizes and
22	1	Diagnosis, prevention and treatment	<b>Techniques of local anesthesia</b>	Powerpoint lecture	Mid and final exam
23	1	Diagnosis, prevention and treatment	<b>Techniques of local anesthesia</b>	Powerpoint lecture	Quizes and
24	1	Diagnosis, prevention and treatment	<b>Complications of local anesthesia</b>	Powerpoint lecture	Mid and final exam
25	1	Diagnosis, prevention and treatment	<b>Complications of local anesthesia</b>	Powerpoint lecture	Quizes and Mid a final exa
26	1	Diagnosis, prevention and treatment	<b>Complications of local anesthesia</b>	Powerpoint lecture	Quizes and Mid a

					final exam
27	1	Diagnosis, prevention and treatment	<b>Advances in local anesthesia</b>	Powerpoint lecture	Quizzes and Mid a final exam
28	1	Diagnosis, prevention and treatment	<b>Conscious sedation</b>	Powerpoint lecture	Quizzes and Mid a final exam
29	1	Diagnosis, prevention and treatment	<b>Fundamentals of general anesthesia</b>	Powerpoint lecture	Quizzes and Mid a final exam
30		Diagnosis, prevention and treatment	<b>Medical emergencies during dental treatment</b>	Powerpoint lecture	Quizzes and Mid a final exam

## 11. Course Evaluation

## 12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Killey & Kay's Outline Of Oral Surgery Part One
Main references (sources)	Contemporary Oral and Maxillofacial Surgery, 7th Edition
Recommended books and references (scientific journals, reports...)	Text book of local anaesthesia
Electronic References, Websites	Textbook of Oral and Maxillofacial Surge

13. Course Name:
General Medicine
14. Course Code:
423GM
15. Semester / Year:
Two semesters
16. Description Preparation Date:
2023–2024
17. Available Attendance Forms:
Weekly Physical Attendance
18. Number of Credit Hours (Total) / Number of Units (Total)
30 hours theoretical and 60 hours practical
19. Course administrator's name (mention all, if more than one name)
Name: I.Dr.Sami Khudeir Suhaim Email: samisuhaim23@gmail.com
20. Course Objectives
<p>1–Teaching students how to understand medicine through a scientific view of aetiology, clinical presentations, confirmation of the diagnosis and management.</p> <p>2–Leading dental students to the best way of making logical connections that are based on scientific bases between general medicine and dentistry.</p> <p>3–Theoretical teaching and practical training of dental students to be able behave as an expertise in basic general medicine when his or her patient complains from</p>



a condition that is related to emergency medicine while he is practicing dentistry.

## 21. Teaching and Learning Strategies

1–Lectures in general medicine using data show power point.

2–Practical training in clinical examination using teaching videos and photos.

3–Practical training in clinical practice and clinical strategies using play role of physician and patient strategy between students.

## 22. Course Structure

Week	Hou rs	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	1	History and Clinical Examination	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam.
2	1	History and Clinical Examination	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
3	1	Ischaemic heart Disease	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
4	1	Ischaemic heart Disease	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
			General	A lecture Using power	Quizzes Terminal

5	1	Arrhythmias	Medicine	Point	Midyear And Final Exam
6	1	Infective Endocarditis	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
7		Heart failure	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
8	1	Pulmonary Diseases	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
9	1	Pulmonary Diseases	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
10	1	Gastrointestinal Diseases	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
11	1	Diseases of Small intestine	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
12	1	Inflammatory Bowel disease	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
13	1	Liver and biliary tract diseases	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And

					Final Exam
14	1	Liver and biliary tract diseases	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
15	1	Renal diseases	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
16	1	Diseases of thyroid gland	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
17	1	Diabetes mellitus	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
18	1	Diabetes mellitus	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
19	1	White blood cells Disorders	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
20	1	White blood cells Disorders	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
21	1	Haemostasis and Bleeding disorder	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
				A lecture	Quizzes

22	1	Haemostasis and Bleeding disorder	General Medicine	Using power Point	Terminal Midyear And Final Exam
23	1	Adrenal gland Disorders	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
24	1	Adrenal gland Disorders	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
25	1	Pseudomembranous colitis	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
26	1	Immunologic Diseases	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
27	1	Red blood cells disorders	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
28	1	Anxiety and eating disorders	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
29	1	Drugs and alcohol abuse	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
30	1	Neurologic disorders	General Medicine	A lecture Using power Point	Quizzes Terminal Midyear

23. Course Evaluation

- 1-The theoretical evaluation: Quizzes, terminal, midyear and final examinations  
2-The practical evaluation: Oral assessments

24. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Dental management of medically Compromised patients, 9 <sup>th</sup> edition 2018  Essential of medicine for Dental students 4 <sup>th</sup> edition 2021
Main references (sources)	Davidson's principles and And practice of medicine 24 <sup>th</sup> edition 2022  Oxford handbook of clinical Medicine 6 <sup>th</sup> edition 2017
Recommended books and references (scientific journals, reports...)	The related resources of medicine Which are published in website of College of Dentistry/University of Baghdad
Electronic References, Websites	website of College of Dentistry/ University of Baghdad

25.	Course title
	Removable prosthodontics
26.	Course code
	410PR
27.	Semester/ year
	Fourth stage/ year
28.	Date of production/revision of this specification
	6/2/2024
29.	Modes of Attendance offered
	Personal
30.	Number of hours tuition
	30 theory , 60 practical
31.	Name of supervisor
	Name: jalal hasan Email: jalalhasan1990o@gmail.com
32.	Aims of the Course
	<ol style="list-style-type: none"> <li>1 .Training the student to examine patients with partial and complete denture</li> <li>2 .Develop treatment plans for patients with partial and complete denture</li> <li>3 .Understand potential treatment methods</li> <li>4 .Knowing the correct stages of making full and partial removable prosthetics</li> <li>5. Understanding the problems related to them and ways to treat them</li> </ol>
33.	Learning Outcomes, Teaching ,Learning and Assessment Method
	<ol style="list-style-type: none"> <li>1. Theoretical lectures illustrated using presentations and recorded videos</li> <li>2. Practical and clinical training on different cases</li> </ol>

### 34. Course Structure

Week	Hours	Required learning outcomes	Unit/Module or Topic Title	Teaching methods	Assessment Method
١	١	Learning Diagnosis	Anatomy and physiology as related to dental prosthesis (osteology)	Power point	quiz
٢	٢	Learning Diagnosis	Anatomy and physiology as related to dental prosthesis (Myology)	Power point	quiz
٣	٣	Learning treatment plan	Diagnosis and treatment plan RPD	Power point	quiz
٤	٤	Learning treatment plan	Diagnosis and treatment plan RPD	Power point	quiz
٥	٥	Learning treatment plan	Preparation of the mouth to receive an RPD	Power point	quiz
٦	٦	Learning treatment plan	Preparation of the mouth to receive an RPD	Power point	quiz
٧	٧	Learning impression	Classification of impression technique	Power point	quiz
٨	٨	Learning impression	Classification of impression technique (To be continue)	Power point	quiz
٩	٩	Learning design	Designing Support	Power point	quiz
١٠	١٠	Learning frame fitting	Fitting the removable partial denture framework	Power point	quiz
١١	١١	Learning occlusion relations	Occlusal Relationship for Removable Partial Denture	Power point	quiz
١٢	١٢	Learning occlusion relations	Jaw relation in RPD	Power point	quiz
١٣	١٣	Learning try in	Trial RPD	Power point	quiz
١٤	١٤	Learning	Initial placement and	Power	quiz

		insertion	adjustment of RPD	point	
۱۵	۱۵	Learning surgical procedure for cd	Pre- prosthetic surgery	Power point	quiz
۱۶	۱۶	Learning surgical procedure for cd	Pre- prosthetic surgery	Power point	quiz
۱۷	۱۷	Learning treatment plan for cd	Diagnosis and treatment plan CD	Power point	quiz
۱۸	۱۸	Learning treatment plan for cd	To be continued diagnosis and treatment plan for CD	Power point	quiz
۱۹	۱۹	Learning impressions for cd	Impression in CD	Power point	quiz
۲۰	۲۰	Learning tmj and relation with cd	TMJ and mandibular movement.	Power point	quiz
۲۱	۲۱	Learning digital dentures	Digital RPD	Power point	quiz
۲۲	۲۲	Learning occlusion for cd	Vertical jaw relation	Power point	quiz
۲۳	۲۳	Learning occlusion for cd	Horizontal jaw relation (Centric occlusion)	Power point	quiz
۲۴	۲۴	Learning try in for cd	Try in stage in CD	Power point	quiz
۲۵	۲۵	Learning insertion for cd	Insertion of CD	Power point	quiz
۲۶	۲۶	Learning Adjustments for cd	Adjustments of CD	Power point	quiz
۲۷	۲۷	Learning Post insertion complications in CD	Post insertion complications in CD	Power point	quiz
۲۸	۲۸	Learning relining and rebasing	relining and rebasing of CD	Power point	quiz
۲۹	۲۹	Learning repair	Repair of fractured RPD	Power point	quiz
۳۰	۳۰	Know Esthetic denture materials	Esthetic denture materials	Power point	quiz

35. Course evaluation

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<b>36. Unit/Module or Topic Title</b>	
Books Required reading	Boucher,s Prosthodontics treatment for \-edentulous patient. s Removable Partial McCracken, 2-1- Prosthodontics
Main references (sources)	Boucher,s Prosthodontics treatment for \-edentulous patient. s Removable Partial McCracken, 2-1- Prosthodontics
- Recommended books and references (scientific journals, reports...	Zarb complete denture
Electronic references, Internet sites...	Journal of proth

1. Course Name:

General Surgery

2. Course Code:

424GS

3. Semester / Year:

Two semesters

4. Description Preparation Date:

2023–2024

5. Available Attendance Forms:

Weekly Physical Attendance

6. Number of Credit Hours (Total) / Number of Units (Total)

30 hours theoretical and 60 hours practical

7. Course administrator's name (mention all, if more than one name)

Name: I.Dr.Sami Khudeir Suhaim  
Email: samisuhaim23@gmail.com

8. Course Objectives

1–Teaching students how to understand general surgery through a scientific view of aetiology, clinical presentations, confirmation of the diagnosis and management.

2–Leading dental students to the best way of making logical connections that are based on scientific bases between general surgery and dentistry.

3–Theoretical teaching and practical training of dental students to be able to behave as an expertise in basic general surgery when his or her patient complains from a surgical emergency while he is practicing dentistry.

## 9. Teaching and Learning Strategies

1–Lectures in general surgery using data show power point.

2–Practical training in clinical examination using teaching videos and photos.

3–Practical training in clinical practice and clinical strategies using play role of surgeon and patient strategy between students.

## 10. Course Structure

Week	Hou rs	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	1	History and Clinical Examination	General Surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam.
2	1	History and Clinical Examination	General Surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
3	1	Surgical wounds And infection	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
4	1	Surgical wounds And infection	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
5	1	Wound healing	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
			General	A lecture Using power	Quizzes Terminal

6	1	Wound healing	surgery	Point	Midyear And Final Exam
7		Haemorrhage	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
8	1	Haemorrhage	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
9	1	Blood transfusion	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
10	1	Blood transfusion	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
11	1	Shock	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
12	1	Shock	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
13	1	Metabolic response to injury	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
14	1	Parenteral feeding	General surgery	A lecture Using power Point	Quizzes Terminal Midyear

					And Final Exam
15	1	Parenteral feeding	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
16	1	Fluid balance	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
17	1	Fluid balance	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
18	1	Electrolytes Balance	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
19	1	Electrolytes Balance	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
20	1	Head injury	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
21	1	Head injury	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
22	1	Preoperative preparations	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam

23	1	Perioperative care	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
24	1	Perioperative care	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
25	1	Postoperative Care	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
26	1	General Postoperative Problems and Management	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
27	1	Postoperative complications	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
28	1	Day case surgery	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
29	1	Surgical ethics and law	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam
30	1	Patient safety	General surgery	A lecture Using power Point	Quizzes Terminal Midyear And Final Exam

#### 11. Course Evaluation

1-The theoretical evaluation: Quizzes, terminal, midyear and final examinations  
2-The practical evaluation: Oral assessments

## 12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Baily and Love's short practice of Surgery, 28th edition 2023
Main references (sources)	Lecture notes of general surgery 13th edition 2016
Recommended books and references (scientific journals, reports...)	The related resources of surgery Which are published in website of College of Dentistry/University of Baghdad
Electronic References, Websites	website of College of Dentistry/ University of Baghdad

13. Course Name:
Oral surgery
14. Course Code:
422OS
15. Semester / Year:
4 <sup>th</sup> year, first & second semester
16. Description Preparation Date:
1\2\2024
17. Available Attendance Forms:
Attendance at all lectures and clinical sessions is necessary
18. Number of Credit Hours (Total) / Number of Units (Total)
Total hours: 30 theory + 90 practical = 120 hours Total units: 5 units
19. Course administrator's name (mention all, if more than one name)
Name: Ammar Mumtaz Sulaiman      E-mail:arbbar1991@yahoo.com
20. Course Objectives
<ul style="list-style-type: none"> <li>• Preparing the student to be a professional and competent practitioner regarding oral surgery.</li> <li>• Developing the student's history taking skills and enables the students to identify and manage systemic disease in dentistry.</li> <li>• Developing the student's ability to choose the proper and indicated cases for his practice.</li> <li>• Training the students to perform the different techniques of local anesthesia.</li> </ul> <p>Training the students to perform simple extractions using forceps and elevators</p>
21. Teaching and Learning Strategies
<ul style="list-style-type: none"> <li>• Placing the students in direct contact with the patients alongside more senior students and under-supervision to take history and examine patients.</li> <li>• Placing the students in direct contact with the armaments used in oral surgery and teaching them the proper way to handle and sterilize them.</li> <li>• After the students gains enough knowledge they are allowed to preform local anesthesia under direct supervision</li> <li>• After the students gains enough knowledge and observed several cases of extraction the students are allowe</li> </ul>



to perform dental extractions under direct supervision

## 22. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4	Cardiovascular diseases	Oral surgery	Power Point Presentation	Quizzes, Mid-course exam, Mid- year exam, Final exam.
2	4	Cardiovascular diseases	Oral surgery	Power Point Presentation	Quizz Mid- course exam, Mid-y exam, Final exam.
3	4	Pulmonary diseases	Oral surgery	Power Point Presentation	Quizz Mid- course exam, Mid-y exam, Final exam.
4	4	Bleeding disorders	Oral surgery	Power Point Presentation	Quizz Mid- course exam, Mid-y exam, Final exam.
5	4	Allergy and Hypersensitivity	Oral surgery	Power Point Presentation	Quizz Mid- course exam, Mid-y exam, Final exam.
6	4	Liver disease	Oral surgery	Power	Quizz

				Point Preser ion	Mid- course exam, Mid-y exam, Final exam.
7	4	Blood dyscrasias	Oral surgery	Power Point Preser ion	Quizz Mid- course exam, Mid-y exam, Final exam.
8	4	Pregnancy	Oral surgery	Power Point Preser ion	Quizz Mid- course exam, Mid-y exam, Final exam.
9	4	Endocrinology	Oral surgery	Power Point Preser ion	Quizz Mid- course exam, Mid-y exam, Final exam.
10	4	Management of patient receive chemotherapy and radiotherap	Oral surgery	Power Point Preser ion	Quizz Mid- course exam, Mid-y exam, Final exam.
	4	Renal disease	Oral surgery	Power Point Preser ion	Quizz Mid- course exam, Mid-y

					exam, Final exam.
12	4	AIDS.	Oral surgery	Power Point Present ation	Quizz Mid- course exam, Mid-y exam, Final exam.
13	4	C.N.S. disease	Oral surgery	Power Point Present ation	Quizz Mid- course exam, Mid-y exam, Final exam.
14	4	Autoimmune diseases	Oral surgery	Power Point Present ation	Quizz Mid- course exam, Mid-y exam, Final exam.
15	4	Intra oral incisions, flaps and suturing	Oral surgery	Power Point Present ation	Quizz Mid- course exam, Mid-y exam, Final exam.
16	4	Complications of exodontia	Oral surgery	Power Point Present ation	Quizz Mid- course exam, Mid-y exam, Final exam.
17	4	Pyogenic infections of the sof	Oral surgery	Power	Quizz

		tissues		Point Preser ion	Mid- course exam, Mid-y exam, Final exam.
18	4	Pyogenic infections of the soft tissues	Oral surgery	Power Point Preser ion	Quizz Mid- course exam, Mid-y exam, Final exam.
19	4	Pyogenic infections of the soft tissues	Oral surgery	Power Point Preser ion	Quizz Mid- course exam, Mid-y exam, Final exam.
20	4	Principles of management of impacted teeth	Oral surgery	Power Point Preser ion	Quizz Mid- course exam, Mid-y exam, Final exam.
21	4	Principles of management of impacted teeth	Oral surgery	Power Point Preser ion	Quizz Mid- course exam, Mid-y exam, Final exam.
22	4	Principals of orthogenetic surgery	Oral surgery	Power Point Preser ion	Quizz Mid- course exam, Mid-y

					exam, Final exam.
23	4	Principals of endodontic surge	Oral surgery	Power Point Presen ion	Quizz Mid- course exam, Mid-y exam, Final exam.
24	4	Implantology	Oral surgery	Power Point Presen ion	Quizz Mid- course exam, Mid-y exam, Final exam.
25	4	Implantology	Oral surgery	Power Point Presen ion	Quizz Mid- course exam, Mid-y exam, Final exam.
26	4	Implantology	Oral surgery	Power Point Presen ion	Quizz Mid- course exam, Mid-y exam, Final exam.
27	4	osteomyelitis	Oral surgery	Power Point Presen ion	Quizz Mid- course exam, Mid-y exam, Final exam.
28	4	osteoradionecrosis	Oral surgery	Power	Quizz

				Point Preser ion	Mid- course exam, Mid-y exam, Final exam.
29	4	Dental and maxillofacial imaging	Oral surgery	Power Point Preser ion	Quizz Mid- course exam, Mid-y exam, Final exam.
30	4	Dental and maxillofacial imaging	Oral surgery	Power Point Preser ion	Quizz Mid- course exam, Mid-y exam, Final exam.

### 23. Course Evaluation

20 marks Practical 10 for every semester  
 10 marks Mid-course exam 5 for every semester  
 10 marks Mid-year exam  
 25 marks practical Final exam  
 35 marks theoretical Final exam

### 24. Learning and Teaching Resources

Required textbooks (curricular books, if any)

Main references (sources)

(Little and Falace's Dental Management of the Medically Compromised Patient) James W. Little, Craig Mil  
  
 Contemporary Oral and Maxillofacial Surgery 7th Edition  
 September 27, 2018 Authors: James R. Hupp, Myron R. Tucker, Edward Ellis

Recommended books and references  
 (scientific journals, reports...)

Electronic References, Websites

<https://pubmed.ncbi.nlm.nih.gov/>  
<https://revisedental.com/exodontia-and-minor-oral-surgery-mc>  
<https://www.msmanuals.com/professional>



1. Course Name:
conservative dentistry
2. Course Code:
419CV
3. Semester / Year:
annual/ fourth stage
4. Description Preparation Date:
2023-2024
5. Available Attendance Forms:
Weekly
6. Number of Credit Hours (Total) / Number of Units (Total)
60 hours theory & 150 hours practical
7. Course administrator's name (mention all, if more than one name)
Name: wael loutf Email: dr.wael1989@gmail.com
8. Course Objectives
The student should be familiar with the materials and tools used in operative & endodontics. A Knowledge preparation of the different forms of tooth cavity preparation for amalgam and composite restorations. The ability to apply the theoretical knowledge and translate it into practical treatment . A Knowledge the principles of Root canal treatment and do this treatment laboratory on the extracted teeth.
9. Teaching and Learning Strategies
giving lectures with explanation and clarification using Power Point . presenting some <i>educational movies</i> . Demonstrating the treatment steps by lecturer free hands. Urging students to use the library as one of the learning methods . Using the principle of discussion and dialogue to increase the students' comprehension.



Applying education through the practical part

## 10. Course Structure

Week	hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Understand the concepts, basics and application	Biologic Considerations of Enamel structure and its Clinical Significance Practice of Operative Dentistry (part1)	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
2	2	Understand the concepts, basics and application	Biologic Considerations of Enamel structure and its Clinical Significance Practice of Operative Dentistry (part2)	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
3	2	Understand the concepts, basics and application	Biologic Considerations of Dentin structure & its Clinical Significance in Operative Dentistry (part 1)	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
4	2	Understand the concepts, basics and application	Biologic Considerations of Dentin structure & its Clinical Significance in Operative Dentistry (part 2)	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
5	2	Understand the concepts, basics and application	Patient Evaluation , Diagnosis & Treatment Planning	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
6	2	Understand the concepts, basics and application	Caries Management (Diagnosis & treatment	Giving lectures using power point &	Quizzes, mid year exam,

			strategies)	educational movies	final exam
7	2	Understand the concepts, basics and application	Cervical Lesions (carious and non carious lesions)	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
8	2	Understand the concepts, basics and application	Restorative Dentistry and Pulpal Health	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
9	2	Understand the concepts, basics and application	Management of Deep Seated Caries	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
10	2	Understand the concepts, basics and application	Inflammatory Conditions of the Pulp	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
11	2	Understand the concepts, basics and application	Treatment of Deep Seated Caries Simplified anatomical Modeling	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
12	2	Understand the concepts, basics and application	<i>Fluoride – Releasing Materials</i>	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
13	2	Understand the concepts, basics and application	Indirect aesthetic adhesive restorations Inlays and Onlays (materials, techniques) CAD/CAM Technology	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
14	2	Understand the concepts, basics and application	Direct tooth-colored restorations (Composite)	Giving lectures using power point & educational	Quizzes, mid year exam,

				movies	final exam
15	2	Understand the concepts, basics and application	Dental Laser	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
16	2	Understand the concepts, basics and application	Application of Laser in Conservative Dentistry (part 1)	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
17	2	Understand the concepts, basics and application	Application of Laser in Conservative Dentistry (part 2)	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
18	2	Understand the concepts, basics and application	Indirect tooth-colored restorations	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
19	2	Understand the concepts, basics and application	Techniques of posterior composite Inlay/Onlay restoration system Laboratory-processed composite inlays and onlays	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
20	2	Understand the concepts, basics and application	Ceramic veneers, inlays and onlays, clinical procedures (part 1)	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
21	2	Understand the concepts, basics and application	Ceramic veneers, inlays and onlays, clinical procedures (part 2)	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
22	2	Understand the concepts, basics and application	CAD/CAM techniques	Giving lectures using power point & educational	Quizzes, mid year exam, final exam

				movies	
23	2	Understand the concepts, basics and application	Objectives of endodontic treatment -Basic phases of treatment -Pulp pathologies	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
24	2	Understand the concepts, basics and application	Classification of periapical diseases	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
25	2	Understand the concepts, basics and application	Access opening preparation	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
26	2	Understand the concepts, basics and application	Endodontic instruments	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
27	2	Understand the concepts, basics and application	Roentgenography in endodontics and root canal preparation	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
28	2	Understand the concepts, basics and application	The rubber dam and its applications	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
29	2	Understand the concepts, basics and application	Techniques in root canal preparation 1- Conventional technique 2- Stepback technique 3- Crown down technique Errors in root canal preparation	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
30	2	Understand the concepts, basics and application	Irrigation & obturation of the Root canal	Giving lectures using power point & educational	Quizzes, mid year exam,

				movies	final exam
11. Course Structure (practical part)					
<b>Clinical Requirements for operative dentistry</b>					
The students are required to complete the following restorations:				<b>2.5h/wk</b> <b>75h/year</b>	
a. Amalgam Restorations: Class I 6 cases, Class II 4 cases					
b. Composite (tooth colored) Restorations: Class I 2 cases, Class II 2 cases, Class III 2 cases, Class IV 2 cases, and Class V 2 cases					
<b>Clinical requirements (Preclinical Endodontic)</b>					
Lab number	Study unit title			Hours	
1	<i>Introduction</i>			2.5	
2	<i>Block construction</i>			2.5	
3	<i>Diagnosis</i>			2.5	
4	<i>Quiz 1 in lab 1,2&amp;3 +Access opening</i>			2.5	
5	<i>Quiz 2 in lab 4 +Clinical access opening to one anterior tooth and two</i>			2.5	
6	<i>premolar teeth</i>			2.5	
7				2.5	
8	<i>Instrument</i>			2.5	
9	<i>Equipment and materials</i>			2.5	
10	<i>Quiz 3 clinical quiz in lab 8&amp;9, Working length estimation demonstration</i>			2.5	
11	<i>Quiz 4 in lab 11 + clinical working length estimation on the same three</i>			2.5	
12	<i>teeth</i>			2.5	
13				2.5	
14				2.5	
15	<i>Rubber dam application</i>			2.5	
16	<i>Quiz 5 clinical quiz in lab 15</i>			2.5	
17	<i>Review</i>			2.5	
18	<i>Root canal instrumentation</i>			2.5	
19	<i>Quiz 6 in lab 18 + clinical instrumentation to the same teeth</i>			2.5	
20				2.5	

21		2.5
22		2.5
23		2.5
24	<i>Root canal obturation</i>	2.5
25	<i>Quiz 7 in lab 24 +clinical obturation to three teeth</i>	2.5
26		2.5
27		2.5
28	<i>Review</i>	2.5
29		2.5
30		2.5
<b>Total</b>		<b>75</b>

## 12. Course Evaluation

Theoretical exams  
 Practical exams  
 Daily Quizzes

## 13. Learning and Teaching Resources

Required textbooks (curricular books, if any)	<p>1- Summitt's fundamentals of operative dentistry: A contemporary approach. 4th edition.</p> <p>2- Dental composite materials for direct restorations. Vesna Miletic Springer, eBook, 2018.</p> <p>3- Textbook of operative dentistry. 3rd edition. Nisha Garg, Amit Garg .</p> <p>4- Cohen's Pathways of the Dental Pulp. 12th ed. Louis H. Berman and Kenneth M. Hargreaves .</p> <p>5- Textbook of Endodontics. 2nd ed. 2010. Nisha Garg, Amit Garg</p>
Main references (sources)	
Recommended books and references (scientific journals, reports...)	<p>1- Philips science of dental materials 2012 edition 12</p> <p>2-Craig's Restorative dental materials 2018 edition .</p>
Electronic References, Websites	Operative& Endodontics articles from Science Direct and Pubmed

1. Course Name:					
Oral pathology					
2. Course Code:					
425OP					
3. Semester / Year:					
annual/ fourth stage					
4. Description Preparation Date:					
2023-2024					
5. Available Attendance Forms:					
Weekly					
6. Number of Credit Hours (Total) / Number of Units (Total)					
60 hours theory & 150 hours practical					
7. Course administrator's name (mention all, if more than one name)					
Name: Prof.Dr. Ali Khalf					
8. Course Objectives					
Qualifying dentists who are able to know the causes of various diseases that affect the mouth and study diagnosis and methods of dyes to distinguish between diseases					
9. Teaching and Learning Strategies					
Knowledge and understanding Distinguish between different oral diseases How to use dyes Learn fabric cutting Learn to diagnose cases. Satisfying					
10. Course Structure					
Week	hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	biopsy i oral pathology	Oral pathology	Giving lectures using power nt & educational	Quizzes, mid year exam,

				movies	final exam
2	2	Healing in oral pathology	Oral pathology	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
3	2	Caries	Oral pathology	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
4	2	Pulpitis	Oral pathology	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
5	2	Osteomyelitis	Oral pathology	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
6	2	Developmental disorder of teeth	Oral pathology	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
7	2	Developmental disorder of soft and hard tissue	Oral pathology	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
8	2	Nonodontogenic Cyst	Oral pathology	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
9	2	Odontogenic cyst	Oral pathology	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
10	2	Odontogenic tumor 1	Oral pathology	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam



11	2	Odontogenic tumor 2	Oral pathology	Giving lectures using power nt & educational movies	Quizzes, mid year exam, final exam
12	2	Benign epithelial lesions leukoplakia	Oral pathology	Giving lectures using power nt & educational movies	Quizzes, mid year exam, final exam
13	2	Epithelial Hyperplasia, atrophy and dysplasia	Oral pathology	Giving lectures using power nt & educational movies	Quizzes, mid year exam, final exam
14	2	Squamous cell carcinoma And other malignant epithelial neoplasms	Oral pathology	Giving lectures using power nt & educational movies	Quizzes, mid year exam, final exam
15	2	Fibro osseous lesions metabol and gene conditions	Oral pathology	Giving lectures using power nt & educational movies	Quizzes, mid year exam, final exam
16	2	Giant cell Lesions	Oral pathology	Giving lectures using power nt & educational movies	Quizzes, mid year exam, final exam
17	2	Benign tumors of the bone	Oral pathology	Giving lectures using power nt & educational movies	Quizzes, mid year exam, final exam
18	2	Malignant Tumors of the bone	Oral pathology	Giving lectures using power nt & educational movies	Quizzes, mid year exam, final exam
19	2	viral infection	Oral pathology	Giving lectures using power nt & educational movies	Quizzes, mid year exam, final exam

20	2	Bacteria and fungal infection	Oral pathology	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
21	2	Immun Mediate disorder 1	Oral pathology	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
22	2	Immun mediate disorder 2	Oral pathology	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
23	2	Connective tissue lesions	Oral pathology	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
24	2	Connective tissue lesions	Oral pathology	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
25	2	salivary gland disorders	Oral pathology	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
26	2	salivary gland neoplasms	Oral pathology	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
27	2		Oral pathology	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
28	2	Hematopoietic Tumors	Oral pathology	Giving lectures using power point & educational movies	Quizzes, mid year exam, final exam
29	2	Forensic Dentistry	Oral pathology	Giving lectures using power	Quizzes, mid year

				nt & educational movies	exam, final exam
30	2		Oral pathology	Giving lectures using power nt & educational movies	Quizzes, mid year exam, final exam
11.Course Structure (practical part)					
12.Course Evaluation					
Theoretical exams Practical exams Daily Quizzes					
13.Learning and Teaching Resources					
Required textbooks (curricular books, if any)			oral and maxillofacial pathology neville 4th edition		
Main references (sources)					
Recommended books and references (scientific journals, reports...)					
Electronic References, Websites					

1. Course Name:
Orthodontics
2. Course Code:
426OD
3. Semester / Year:
4 <sup>th</sup> stage – two terms
4. Description Preparation Date:
2023 – 2024
5. Available Attendance Forms:
Weekly
6. Number of Credit Hours (Total) / Number of Units (Total)
7. Course administrator's name (mention all, if more than one name)
Name: Dr. Abdulkader Omar Tahhan Email: <a href="mailto:a.dentaldream90@gmail.com">a.dentaldream90@gmail.com</a>
8. Course Objectives
<p>The student should know precisely about proper occlusion and the types of problems with malocclusion and their causes</p> <p>Understand the principles of biomechanics and force systems applied to the teeth and jaws</p> <p>Identify the types of orthodontic devices and the indications for each of them.</p> <p>Learn how to make orthodontic removable appliance components in the laboratory</p>

## 9. Teaching and Learning Strategies

Developing academic content by modifying, deleting, replacing, and adding  
 Using the latest methods in education  
 Encouraging e-learning  
 Developing orthodontic wire bending skills in the laboratory

## 10. Course Structure

Week	Hou rs	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	<b>Introduction</b> Definition orthodontics Definition occlusion, normal occlusion, ideal occlusion and malocclusion Six kinds of normal occlusion	Orthodontics	PPT lectures	Periodic interviews in the laboratory
2	2	Aims of orthodontic treatment Orthodontic definitions (overbite, crossbite, spacing, crowding, midline deviation, rotational displacement, proclination, retroclination, protrusion, retrusion, imbrication, overlap, including type I impaction)	Orthodontics	PPT lectures	Periodic interviews in the laboratory
3	2	Classification of malocclusion a. Angle's classification including division and subdivision	Orthodontics	PPT lectures	Periodic interviews in the laboratory
4	2	b. molar, canine, incisor classifications classification of deciduous and mixed dentitions	Orthodontics	PPT lectures	Periodic interviews in the laboratory
5	2	<b>Growth and development</b> Definitions of growth development and maturation Stages of development (ovum till birth) Theories of bone growth (cartilagineous, sutural, endosteal-periosteal, matrix theories)	Orthodontics	PPT lectures	Periodic interviews in the laboratory

6	2	Definitions of growth & growth center displacement, and Growth curve maximum growth spurt	Orthodontics	PPT lectures	Periodic interviews in t laboratory
7	2	Growth and development of hard tissues (cranial base, cranial vault, nasomaxillary complex, mandible) including prenatal and postnatal Growth and development of soft tissues (lip, nose, cheek and tongue) including prenatal and postnatal	Orthodontics	PPT lectures	Periodic interviews in t laboratory
8	2	Developmental anomalies Jaw rotation adaptation	Orthodontics	PPT lectures	Periodic interviews in t laboratory
9	2	<b>Deciduous and permanent dentition</b> Stages of tooth development: Formation, calcification and root completion	Orthodontics	PPT lectures	Periodic interviews in t laboratory
10	2	Tooth eruption (stages, theories) Sequences, timing of eruption	Orthodontics	PPT lectures	Periodic interviews in t laboratory
11	2	<b>Development of occlusion</b> a. new born oral cavity (relationship of gum pads, neonatal jaw relationships, prenatal and neonatal teeth) b. Deciduous dentition stage - Dental changes through years of age (relationship, attrition, primary spaces)	Orthodontics	PPT lectures	Periodic interviews in t laboratory
12	2	c. Early mixed dentition stage - eruption of first molars and incisors (occlusal relationships, primary and permanent molars, early mesial shift, ugly duckling stage, secondary spaces) d. Late mixed dentition stage - eruption of canines, premolars (Leeway space and late mesial shift) Permanent dentition eruption second and third	Orthodontics	PPT lectures	Periodic interviews in t laboratory

		molars (mesial migration)			
13	2	<b>Etiology of malocclusion</b> Genetic factors inherited factors Classification of etiologic factors a. General factors Skeletal (dental base, cranial base, variation in position and size of jaws)	Orthodontics	PPT lectures	Periodic interviews in the laboratory
14	2	ii. Soft tissue (muscles of face and masticatory muscles of lip and tongue) relation to skeletal factors abnormalities of oro-facial musculature, interfere with soft tissue function iii. Tooth size and arch length relations (Crowding and spacing including types)	Orthodontics	PPT lectures	Periodic interviews in the laboratory
15	2	b. Local factors: i. Extra teeth (supernumerary) missing teeth (hypodontia) ii. Anomalies of tooth position and shape	Orthodontics	PPT lectures	Periodic interviews in the laboratory
16	2	iii. Early loss of deciduous teeth iv. Retention of deciduous teeth, delayed eruption of permanent teeth, impacted teeth, ankylosis	Orthodontics	PPT lectures	Periodic interviews in the laboratory
17	2	v. Abnormal eruption behavior (displacement, transposition) vi. Labial and lingual frenum (labial and lingual) periodontal diseases	Orthodontics	PPT lectures	Periodic interviews in the laboratory
18	2	vii. Oral habits viii. Decayed caries, improper dental restoration	Orthodontics	PPT lectures	Periodic interviews in the laboratory
19	2	<b>Tooth movement</b> a. Tissue changes associated with tooth movement: Histology of periodontium ii. Theories of tooth movement (pressure theory, blood flow theory, and piezoelectric theory)	Orthodontics	PPT lectures	Periodic interviews in the laboratory
20	2	b. Biomechanics i. Factors (application, type, magnitude, duration)	Orthodontics	PPT lectures	Periodic interviews in the laboratory

		direction) ii. Center resistance and rotat moment of force moment of couple.			laboratory
21	2	iii. Types of tooth movement iv. Rate of tooth movement factors affecting it	Orthodontics	PPT lectures	Periodic interviews in t laboratory
22	2	<b>Orthodontic appliances</b> Overview: i. passive orthodontic appliances (habit breaker, retainer and space maintainer) active orthodontic appliances (removable fixed, orthopedic myofunctional, combination)	Orthodontics	PPT lectures	Periodic interviews in t laboratory
23	2	b. Removable Orthodontic Appliance: i. Properties of various components (wire, acrylic) Components: 1) anchorage components (springs, screws and elastics)	Orthodontics	PPT lectures	Periodic interviews in t laboratory
24	2	2) retentive components (clasps) 3) acrylic base plate and bite planes anchorage	Orthodontics	PPT lectures	Periodic interviews in t laboratory
25	2	iii. Design of a removable orthodontic appliance Construction of removable orthodontic appliance	Orthodontics	PPT lectures	Periodic interviews in t laboratory
26	2	v. Soldering and welding Post-insertion instructions and guidelines	Orthodontics	PPT lectures	Periodic interviews in t laboratory
27	2	c. Fixed orthodontic appliance: Types, components, advantages, limitation, biomechanics, banding vs. bonding	Orthodontics	PPT lectures	Periodic interviews in t laboratory
28	2	Use of extra-oral anchorage, temporary anchorage devices (TAD) and lingual fixed appliances	Orthodontics	PPT lectures	Periodic interviews in t laboratory
29	2	d. Orthopedic Myofunctional appliances Types, components, advantages, limitations, mode of action e. Other	Orthodontics	PPT lectures	Periodic interviews in t laboratory



		active appliances: combination appliances, Invisalign			
30	2	f. Retention and retain Retention (definit reason, time) Retair (Hawley, clear over positioners, perman fixation, precision)	Orthodontics	PPT lectures	Periodic interviews in t laboratory

### 11. Course Evaluation

Semester exam  
 Mid-year exam  
 Periodic interviews in the laboratory  
 Final practical exam  
 The theoretical final exam

### 12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Contemporary Orthodontics ,William R. Pro Sixth edition
Main references (sources)	Textbook of Orthodontics Singh 2007
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

25. Course Name:

Periodontics

26. Course Code:

428PT

27. Semester / Year:

4<sup>th</sup> year, first & second semester

28. Description Preparation Date:

1\2\2024

29. Available Attendance Forms:

Attendance at all lectures and clinical sessions is necessary

30. Number of Credit Hours (Total) / Number of Units (Total)

Total hours: 30 theory + 90 practical = 120 hours

Total units: 5 units

31. Course administrator's name (mention all, if more than one name)

Name: Ousama Aziz ibrahim

Email: ousama.ibrahim@gmail.com

32. Course Objectives

- to provide the students' knowledge about: anatomy of periodontium, classification of periodontal diseases, effect of systemic diseases on periodontal disease, types of periodontal surgery and its indications and contraindications, laboratory tests, X-ray reading, communications with patients, time management, and patient` respect.
- to provide training about: diagnosis, oral hygiene instruction, periodontal manual and ultrasonic instruments, non-surgical periodontal therapy and medicine prescription.

### 33. Teaching and Learning Strategies

Theory and clinical teaching and training

### 34. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4	Understand terms	Terms & definitions in periodontology	PowerPoint, Videos,clinics	Quiz,MCQs, Clinical evaluation
2	4	Understand anatomy	Anatomy of periodontium	=	=
3	4	Understand anatomy	anatomy	=	=
4	4	Understand anatomy	anatomy	=	=
5	4	Understand anatomy	anatomy	=	=
6	4	Understand classification	Classification of periodontal diseases	=	=
7	4	Understand classification	classification	=	=
8	4	Understand classification	classification	=	=
9	4	Understand pathogenesis	Pathogenesis	=	=
10	4	Understand etiology	Etiology of perio. diseases	=	=
11	4	Understand microbiology	Microbiology of perio. disease	=	=
12	4	Training calculus removal	calculus	=	=
13	4	Training stains removal	stains	=	=
14	4	Understand risk factors	Risk factors of perio. diseases	=	=
15	4	Understand immunity	host–microbe interactions	=	=
16	4	Understand roll of smoking	Roll of smoking in perio. disease	=	=
17	4	Understand impact on systemic diseases	Impact on systemic diseases	=	=
18	4	Impact on systemic diseases	Impact on systemic diseases	=	=
19	4	Training on perio. indices	indices	=	=
20	4		Periodontal pockets	=	=
21	4		pockets	=	=
22	4	Understand treatment plan phase 1	Treatment plan 1	=	=
23	4	Phase 2	Treatment plan 2	=	=
24	4	Phase 3	Treatment plan 3	=	=
25	4	Phase 4	Treatment plan 4	=	=
26	4	Training on OHI	Plaque control 1	=	=
27	4	Training on OHI	Plaque control 2	=	=
28	4	Training on instruments	Periodontal instruments	=	=

29	4	Understand halitosis	halitosis	=	=
30	4	Understand Anti-infective therapy in periodontology	Anti-infective therapy	=	=

### 35. Course Evaluation

Important subject in dentistry, include 4 semesters to master periodontal diseases diagnosis and therapy.

### 36. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Ousama ibrahim and Baghdad college lectures
Main references (sources)	-Newman and Carranza's Clinical Periodontology, Thirteen Edition
Recommended books and references (scientific journals, reports...)	-Clinical Periodontology and Implant Dentistry, Seventh Edition, Niklaus P. Lang and Jan Lindhe
Electronic References, Websites	

1. Course Name:
Pediatric dentistry
2. Course Code:
427PE
3. Semester / Year:
Two semesters/fourth stage
4. Description Preparation Date:
2024-2023
5. Available Attendance Forms:
Weekly
6. Number of Credit Hours (Total) / Number of Units (Total)
30 theoretical hours and 75 practical hours
7. Course administrator's name (mention all, if more than one name)
Name: d.mahmoud al awwad Email:
8. Course Objectives
Understanding and assimilating theoretical and practical methods for treating all cases of dental injury in children and learning about scientific methods and methods supported by means of explanation to know how to determine brown and permanent teeth and the problems related to them.
9. Teaching and Learning Strategies
A- Cognitive objectives A-1 Formulating information in a way that enables students to understand A-2 Increasing knowledge regarding the diagnosis and treatment of various cases of dental diseases in children A-3 Oral and dental care and raising awareness of the importance of preserving baby

teeth until the permanent teeth emerge in children B– Special skill objectives  
 In course B1 – Training students on dental conditions in children B2 –  
 Giving instructions on how to deal and interact with children B3 – Acquiring  
 skills to diagnose primary and permanent teeth in children Teaching and  
 learning methods data show.1 Educational movies.2 LCD.3. 4. Incidental  
 cameras. Evaluation methods. 1. Prohibition of lectures. 2. Short and quick  
 daily exam. Quiz. 3. Quarterly exam. 4. Mid–year exam. 5. Final exam. 6.  
 Method of giving questions and room for discussion to solve them during the  
 lecture. C– Emotional and value–based goals C–1 The student’s ability to  
 solve problems and possess distinctive thinking C–2 The ability to lead  
 student groups C–3 Evaluating students’ achievements Methods of teaching  
 and learning Following up on students’ thinking style, methods of expression  
 and speed of response Evaluation methods 1. It depends on the extent of  
 the student’s attendance and commitment to lecture and keeping up with  
 him. To explain to the professors 2. Conducting a short examination to  
 evaluate the student’s understanding of the material presented and  
 explained in the lecture. 3. Conducting the planned examinations such as  
 the semester, mid–year, and final exams. D – General and transferable  
 skills (other skills related to employability and personal development). D. 1.  
 Professional preparation. D. 2. Scientific preparation. D. 3. Preparation  
 Cultural D–4 Utilizing the acquired skills so that the student becomes a  
 dentist capable of treating patients

## 10. Course Structure

Week	Hou rs	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	1	Eruption of teeth , normal eruption process	pedodontics	A theoretical lecture using Power Point	Short, semester, mid- year and final exams
2	1	Eruption of teeth , normal eruption	pedodontics	A theoretical lecture using	Short, semester, mid-

		process		Power Point	year and final exams
3	1	Eruption haematoma, sequestrum ,ectopic eruption	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
4	1	al and neonatal teeth	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
5	1	Local factors influence eruption	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
6	1	Systemic factors influence eruption	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
7	1	Morphology of the primary teeth	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
8	1	Normal morphology of all primary teeth and their clinical consideration	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
9	1	Morphologic differences between primary and permanent teeth	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
10	1	Functions of primary teeth	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
11	1	Dental caries; Definition and Classification	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams

12	1	Etiology of dental caries	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
13	1	y childhood caries	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
14	1	Nursing caries ,baby bottle tooth decay	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
15	1	Severe childhood caries	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
16	1	Rampant dental caries	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
17	1	Restorative dentistry for children	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
18	1	solation & maintenance of dry field and application of the rubber Dam	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
19	1	Morphological consideration ity preparation and instrumentation	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
20	1	ity preparation primary teeth, restorative materials used on iatric dentistry, trices &	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams



		retainers			
21	1	ome steel crowns	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
22	1	Atrumatic Restorative Therapy ( ART )	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
23	1	Treatment of deep caries	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
24	1	Diagnosis aids in the selection of teeth for pulp therapy	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
25	1	Indirect pulp treatment	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
26	1	tal pulp therapy	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
27	1	pulpotomy	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
28	1	Non vital pulp therapy technique	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
29	1	Reaction of pulp to various capping material	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
30	1	Failure after	pedodontics	A theoretical	Short,

		vital pulp therapy		lecture using Power Point	semester, mid-year and final exams
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## 11. Course Evaluation

## 12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	DONALD AND AVERY'S DENTISTRY for CHILD ADOLESCENT 2016 by Elsevier Pediatric dentistry Damile 3rd ed. 2009 Text book of pediatric dentistry Nikhil Marwa 2nd ed. 2009 New Delhi Hand book of pediatric dentistry (Meron) mosby/third edition/2008 Principles and practice of pedodontics /Arathi Rao /second edition/2008 Paediatric dentistry/ Richard Welbury/ Fourth edition Oxford University Press, 2012
Main references (sources)	
Recommended books and references (scientific journals, reports...)	Reports published on the college website
Electronic References, Websites	College website

1. Course Name:
conservative dentistry
2. Course Code:
519CV
3. Semester / Year:
annual/ fifth stage
4. Description Preparation Date:
2023-2024
5. Available Attendance Forms:
Weekly
6. Number of Credit Hours (Total) / Number of Units (Total)
60 hours theory & 240 hours practical
7. Course administrator's name (mention all, if more than one name)
Name: Siham Sayes                      Email: <a href="mailto:dr.sihamsayes@gmail.com">dr.sihamsayes@gmail.com</a> Name: Wael Loutfi.                      Email: <a href="mailto:dr.wael1989@gmail.com">dr.wael1989@gmail.com</a>
8. Course Objectives
The student should be familiar with the materials and tools used in operative ,endodontics and crown preparation.
A Knowledge preparation of the different forms of tooth cavity preparation for amalgam and composite restorations.
A knowledge how to do composite veneer& diastema closure clinically on patients.
A knowledge how to do root canal treatment clinically using manual files.
A Knowledge how to do root canal treatment clinically using Rotary files.
A Knowledge how to do crown and bridge clinically.
A K knowledge how to fiber post for endodontically treated teeth
9. Teaching and Learning Strategies
giving lectures with explanation and clarification using Power Point .

presenting some *educational movies*.

Demonstrating the treatment steps by lecturer free hands.

Urging students to use the library as one of the learning methods .

Using the principle of discussion and dialogue to increase the students' comprehension.

Applying education through the practical part in the clinics

## 10. Course Structure

Week	hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Understand concepts, basics & application .	Endodontic diagnosis	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
2	2	Understand concepts, basics & application .	Pain control in Endodontics	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
3	2	Understand concepts, basics & application .	Endodontic radiography	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
4	2	Understand concepts, basics & application .	Working length Determination	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
5	2	Understand concepts, basics & application .	Microbiology (part 1)	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
6	2	Understand concepts, basics & application .	Microbiology (part 2)	Giving lecture using power point &	Quizzes, mid year

				educational movies	exam, final exam
7	2	Understand concepts, basics application .	Intracanal instruments (part 1)	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
8	2	Understand concepts, basics application .	Intracanal instruments (part2)	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
9	2	Understand concepts, basics application .	Obturation of the root canal system (part 1)	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
10	2	Understand concepts, basics application .	Obturation of the root canal system (part 2)	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
11	2	Understand concepts, basics application .	Endodontic Emergency Treatment	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
12	2	Understand concepts, basics application .	Restoration of Endodontically Treated Teeth	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
13	2	Understand concepts, basics application .	Endodontic- Periodontal Relations	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
14	2	Understand concepts, basics application .	Tooth discoloration and bleaching (part 1).	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
15	2	Understand concepts, basics application .	Tooth discoloration and bleaching (part 2).	Giving lecture using power point & educational	Quizzes, mid year exam,

				movies	final exam
16	2	Understand concepts, basics & application .	Terminology, definition of fixed partial denture , Effect of Tooth Loss, Comparism with R.P.D	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
17	2	Understand concepts, basics & application .	Types of Fixed Bridge including Basic Bridge Design	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
18	2	Understand concepts, basics & application .	Components of Fixed Bridge; ☐ Retainers.-----	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
19	2	Understand concepts, basics & application .	Components of Fixed Bridge; ☐ Pontics ☐ Connectors.-----	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
20	2	Understand concepts, basics & application .	Clinical Consideration for Bridge Construction. _ Abutment Tooth (evaluation and selection) _ Crown/Root Ratio. _ Splinting of teeth. _ Patient Occlusal Status. _ General Factors.	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
21	2	Understand concepts, basics & application .	Clinical Situations affecting Bridge Design; ☐ (Post. Tilted Abutments, Span Length, Pier Abut., Arch curvature)	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
22	2	Understand concepts, basics & application .	Resin bonded bridge	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
23	2	Understand concepts, basics & application .	Diagnosis And Treatment Plan.	Giving lecture using power point &	Quizzes, mid year

			a. Intra-oral Examination. b. X-Rays Examination. c. Diagnostic Cast Examination	educational movies	exam, final exam
24	2	Understand concepts, basics application .	Gingival retraction and impression(techniques) and impression disinfection	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
25	2	Understand concepts, basics application .	provisional Restoration , Occlusion and Aesthetics (Principles of occlusion occlusal plane, Anterior guidance) Bite Registration, and Articulation	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
26	2	Understand concepts, basics application .	provisional Restoration , Occlusion and Aesthetics (Principles of occlusion occlusal plane, Anterior guidance) Bite Registration, and Articulation	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
27	2	Understand concepts, basics application .	Try-in and Shade Selection ( Colour dimensions Hue,Chroma,and Value).	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
28	2	Understand concepts, basics application .	Final Cementation of F.P.Ds. Techniques)	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
29	2	Understand concepts, basics application .	Failure in Fixed Prosthodontics	Giving lecture using power point & educational movies	Quizzes, mid year exam, final exam
30	2	Understand concepts, basics application .	Porcelain in Fixed Prosthodontics (Current Ceramic ).	Giving lecture using power point & educational movies	Quizzes, mid year exam,

					final exam
11. Course Structure (practical part)					
<b>Clinical Requirements</b>					
<b>Minimum Requirement</b>					<b>Hours</b>
<p>The students are required to complete the following restorations:-</p> <p>a. Composite (tooth colored) Restorations Class I 2 cases, Class II 4 cases, Class III 4 cases, Class IV 2 , and Class V 2 cases ,large Class II using EverX composite 1 case, large class I using Bulk fill composite.</p> <p>b. composite veneer 2 cases.</p> <p>c. Diastema clouser 1 case.</p> <p>d. Fixed prosthesis including crown and bridge work 2 cases.</p> <p>e. Endodontics treatment for anterior teeth and premolars 3 cases using manual and Rotary files..</p> <p>f. restoration of endodontically treated tooth using fiberpost.</p> <p>These requirements are the absolute minimum needed in order to take the final examination</p>					8h/wk
<b>Total</b>					240h/year
12. Course Evaluation					
Theoretical exams					
Practical exams (clinically).					
Daily Quizzes					
13. Learning and Teaching Resources					
Required textbooks (curricular books, if any)			<p>1-Cohen's Pathways of the Dental Pulp. 12<sup>th</sup> ed. Louis H. Berman and Kenneth M. Hargreaves.</p> <p>2-Fundamentals of Fixed Prosthodontics, 2012, Quintessence Pub. SHILLINGBURG, H. T. &amp; SATHER, D. A.</p> <p>3-Contemporary Fixed Prosthodontics, 2016 Elsev ROSENSTIEL, S. F., LAND, M. F. &amp; FUJIMOTO, J.</p>		
Main references (sources)					
Recommended books and references (scientific journals, reports...)			<p>1- Philips science of dental materials 2012 edition 12</p> <p>2-Craig's Restorative dental materials 20 edition 14 .</p>		
Electronic References, Websites			Operative & Endodontics & crown and bridge articles from Science Direct		





13. Course Name: <b>Oral medicine</b>					
14. Course Code:					
529OM					
15. Semester / Year: 1 <sup>st</sup> sem. & 2 <sup>nd</sup> Sem./ 5 <sup>th</sup> level					
16. Description Preparation Date: 6/02/2024					
17. Available Attendance Forms: Lectures & Seminars & Clinics					
18. Number of Credit Hours (Total) / Number of Units (Total)					
19. Course administrator's name (mention all, if more than one name)					
Name: MSC deya Email: deyadent01@gmail.com					
20. Course Objectives					
1. Understand the different types of diseases that affect the mouth and teeth.					
2. Follow the correct scientific guidance to determine the possibilities to reach the correct diagnosis					
Knowing how to treat various diseases that affect the mouth and teeth.					
21. Teaching and Learning Strategies					
Panel discussions					
22. Course Structure					
Week	Hours	Required	Unit or subject name	Learning method	Evaluation method

		<b>Learning Outcomes</b>			
1&2	1 theoretical hours weekly	Understand the concepts & basics	The principles of oraldiagnosis Clinical examinations	Deliver the lecture with explanation & clarification using power point	Quiz
3&4	1 theoretical hours weekly	Understand the concepts & Basics	Laboratory investigations in dentistry	Deliver the lecture with explanation &	Quiz
5&6	1 theoretical hours weekly	Understand the concepts & basics	orofacial pain	Deliver the lecture with explanation & clarification using power point	Quiz
7&8	1 theoretical hours weekly	Understand the concepts & basics	TMJ disorder	Lecture using power point	1 <sup>st</sup> Sem. Exam
9&10&11	1 theoretical hours weekly	Understand the concepts & basics	Oral ulceration and Vesiculo-bullous lesions	Deliver the lecture with explanation & clarification using power point	1 theoretical hours weekly
12&13	1 theoretical hours weekly	Understand the concepts & basics	White & red lesions	Deliver the lecture with explanation & clarification using power point	1 theoretical hours weekly
14&15	1 theoretical hours weekly	Understand the concepts & basics	Early detection of oral cancer	Deliver the lecture with explanation & clarification using power point	1 theoretical hours weekly
16&17	1 theoretical hours weekly	Understand the concepts & basics	Pigmented oral lesions	Deliver the lecture with explanation & clarification using power point	1 theoretical hours weekly
18&19&20 &21	1 theoretical hours weekly	Understand the concepts & basics	Benign, Premalignant and malignant lesions of the oral cavity	Deliver the lecture with explanation & clarification using power	1 theoretical hours weekly

٢٣&٢٢	1 theoretical hours weekly	Understand the concepts & basics	Neuromuscular disorder	point Deliver the lecture with explanation & clarification using power point	1 theoretical hours weekly
٢٠&٢٤	1 theoretical hours weekly	Understand the concepts & basics	Salivary gland diseases	Deliver the lecture with explanation & clarification using power point	1 theoretical hours weekly
٢٨&٢٧&٢٦	1 theoretical hours weekly	Understand the concepts & basics	Autoimmune diseases	Deliver the lecture with explanation & clarification using power point	Quiz
٣٠&٢٩	1 theoretical hours weekly	Understand the concepts & basics	Oral manifestation of allergic reaction	Deliver the lecture with explanation & clarification using power point	Quiz

### 23. Course Evaluation

1. Panel discussions

2. Oral exams

3. Practical tests

Required textbooks (curricular books, if any)	Burket's oral medicine. Michael Glickman, Martin Greenberg, Peter Lockhart and Stephen Challacombe. 13th edition. 2015. Wiley Blackwell
Main references (sources)	1- BURKETS Oral Medicine, thirteen edition, 2015. 2- Cawsons essentials of oral pathology and oral medicine 2002.
Recommended books and references (scientific journals, reports...)	1- TEXTBOOK OF ORAL MEDICINE, 2nd edition, 2010. Cawsons essentials of oral pathology

	and oralmedicine 2002.
Electronic References, Websites	

1. Course Name:
Oral Surgery
2. Course Code:
522OS
3. Semester / Year:
2023–2024
4. Description Preparation Date:
9/2/2024
5. Available Attendance Forms:
Lectures and seminars
6. Number of Credit Hours (Total) / Number of Units (Total)
30 theory                      180 practical      8 unit
7. Course administrator's name (mention all, if more than one name)
Name: Dr.Yahya Abd Ali Email:
8. Course Objectives
The objectives of the course are to prepare the student at a high level of knowledge in relation to oral surgery and to learn about the surgical tools used in surgery, as well as to gain knowledge about the types of local anesthesia and its methods, as well as the problems and complications associated with them.
9. Teaching and Learning Strategies
Cognitive objectives: A–1: Acquiring basic knowledge about oral surgery. A–2 Identifying the surgical instruments used in oral surgery and surgical methods A–3 Basic knowledge of local anesthesia and its methods
10. Course Structure

Week	Hou rs	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1		Diagnosis, prevention treatment	Endodontic surgery	Power oint lecture	Quizes and Mid and final exam
2	1	Diagnosis, prevention and treatment	Oro facial pain	Powerpoin t lecture	Quizes and Mid and final exam
3		Diagnosis, prevention and treatment	ctures of the mandible	Powerpoin t lecture	Quizes and Mid and final exam
4		Diagnosis, prevention and treatment	ctures of the mandible	Powerpoin t lecture	Quizes and Mid and final exam
5	1	Diagnosis, prevention and treatment	ctures of the dle third of facial skeleton	Powerpoin t lecture	Quizes and Mid and final exam
6	1	Diagnosis, prevention and treatment	ctures of the dle third of facial skeleton	Powerpoin t lecture	Quizes and Mid and final exam
7	1	Diagnosis, prevention and treatment	toalveolar and oft tissue injuries	Powerpoin t lecture	Quizes and Mid and final exam
8		Diagnosis, prevention and treatment	Preprosthetic surgery	Powerpoin t lecture	Quizes and Mid and final exam
9	1	Diagnosis, prevention and treatment	Preprosthetic surgery	Powerpoin t lecture	Quizes and Mid and final exam
10	1	Diagnosis, prevention and treatment	Potentiallymalign t disorders of oral mucosa	Powerpoin t lecture	Quizes and Mid and

					final exam
11	1	Diagnosis, prevention and treatment	Odontogenic diseases of maxillary sinus	Powerpoint lecture	Quizzes and Mid and final exam
12	1	Diagnosis, prevention and treatment	Sign cystic lesions of the oral cavity	Powerpoint lecture	Quizzes and Mid and final exam
13	1	Diagnosis, prevention and treatment	<b>Odontogenic tumors</b>	Powerpoint lecture	Quizzes and Mid and final exam
14	1	Diagnosis, prevention and treatment	<b>Non-odontogenic tumors and fibro-osseous lesions of the jaw</b>	Powerpoint lecture	Quizzes and Mid and final exam
15	1	Diagnosis, prevention and treatment	<b>Oral cancer</b>	Powerpoint lecture	Quizzes and Mid and final exam
16	1	Diagnosis, prevention and treatment	<b>Oral cancer</b>	Powerpoint lecture	Quizzes and Mid and final exam
17	1	Diagnosis, prevention and treatment	<b>Implant Treatment: Advanced Concepts</b>	Powerpoint lecture	Quizzes and Mid and final exam
18	1	Diagnosis, prevention and treatment	<b>Implant Treatment: Advanced Concepts</b>	Powerpoint lecture	Quizzes and Mid and final exam
19	1	Diagnosis, prevention and treatment	<b>Salivary gland diseases</b>	Powerpoint lecture	Quizzes and Mid and final exam
20		Diagnosis, prevention	<b>Salivary gland</b>	Powerpoint	Quizzes and



		and treatment	<b>diseases</b>	t lecture	Mid and final exam
21	1	Diagnosis, prevention and treatment	<b>Temporomandibular joint (TMJ) disorders</b>	Powerpoint lecture	Quizes and Mid and final exam
22	1	Diagnosis, prevention and treatment	<b>Temporomandibular joint (TMJ) disorders</b>	Powerpoint lecture	Quizes and Mid and final exam
23	1	Diagnosis, prevention and treatment	<b>Orthognathic surgery</b>	Powerpoint lecture	Quizes and Mid and final exam
24	1	Diagnosis, prevention and treatment	<b>Orthognathic surgery</b>	Powerpoint lecture	Quizes and Mid and final exam
25	1	Diagnosis, prevention and treatment	<b>ft lip and palate</b>	Powerpoint lecture	Quizes and Mid and final exam
26	1	Diagnosis, prevention and treatment	<b>ft lip and palate</b>	Powerpoint lecture	Quizes and Mid and final exam
27	1	Diagnosis, prevention and treatment	<b>Laser and Cryosurgery in oral and maxillofacial surgery</b>	Powerpoint lecture	Quizes and Mid and final exam
28	1	Diagnosis, prevention and treatment	<b>Vascular anomalies</b>	Powerpoint lecture	Quizes and Mid and final exam
29	1	Diagnosis, prevention and treatment	<b>inciples of reconstructive surgery of defects of</b>	Powerpoint lecture	Quizes and Mid and

			thejaws		final exam
30		Diagnosis, prevention and treatment	<b>Principles of reconstructive surgery of defects of the Jaws</b>	Powerpoint lecture	Quizzes and Mid and final exam

### 11. Course Evaluation

Theoretical tests  
 - Practical tests -  
 Reports and studies.

### 12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Killey & Kay's Outline Of Surgery Part One .
Main references (sources)	<b>Contemporary Oral and Maxillofacial Surgery, 7th Edition</b>
Recommended books and references (scientific journals, reports...)	Neville oral and maxillofacial pathology
Electronic References, Websites	xtbook of Oral and Maxillofacial Surgery

1. Course Name:
Pediatric dentistry
2. Course Code:
530PAPD
3. Semester / Year:
Two semesters/fifth stage
4. Description Preparation Date:
2024-2023
5. Available Attendance Forms:
Weekly
6. Number of Credit Hours (Total) / Number of Units (Total)
30 theoretical hours and 75 practical hours
7. Course administrator's name (mention all, if more than one name)
Name: d.mahmoud al awwad Email:
8. Course Objectives
Understanding and assimilating theoretical and practical methods for treating all cases of dental injury in children and learning about scientific methods and methods supported by means of explanation to know how to determine brown and permanent teeth and the problems related to them.
9. Teaching and Learning Strategies
A- Cognitive objectives A-1 Formulating information in a way that enables students to understand A-2 Increasing knowledge regarding the diagnosis

and treatment of various cases of dental diseases in children A-3 Oral and dental care and raising awareness of the importance of preserving baby teeth until the permanent teeth emerge in children B- Special skill objectives In course B1 – Training students on dental conditions in children B2 – Giving instructions on how to deal and interact with children B3 – Acquiring skills to diagnose primary and permanent teeth in children Teaching and learning methods data show.1 Educational movies.2 LCD.3. 4. Incidental cameras. Evaluation methods. 1. Prohibition of lectures. 2. Short and quick daily exam. Quiz. 3. Quarterly exam. 4. Mid-year exam. 5. Final exam. 6. Method of giving questions and room for discussion to solve them during the lecture. C- Emotional and value-based goals C-1 The student's ability to solve problems and possess distinctive thinking C-2 The ability to lead student groups C-3 Evaluating students' achievements Methods of teaching and learning Following up on students' thinking style, methods of expression and speed of response Evaluation methods 1. It depends on the extent of the student's attendance and commitment to lecture and keeping up with him. To explain to the professors 2. Conducting a short examination to evaluate the student's understanding of the material presented and explained in the lecture. 3. Conducting the planned examinations such as the semester, mid-year, and final exams. D – General and transferable skills (other skills related to employability and personal development). D. 1. Professional preparation. D. 2. Scientific preparation. D. 3. Preparation Cultural D-4 Utilizing the acquired skills so that the student becomes a dentist capable of treating patients

## 10. Course Structure

Week	Hou rs	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	1	Eruption of teeth , normal eruption process	pedodontics	A theoretical lecture using Power Point	Short, semester, mid- year and final

					exams
2	1	Teething and difficult eruption	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
3	1	Eruption haematoma, sequestrum ,ectopic eruption	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
4	1	al and neonatal teeth	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
5	1	Local factors influence eruption	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
6	1	Systemic factors influence eruption	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
7	1	Morphology of the primary teeth	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
8	1	Normal morphology of all primary teeth and their clinical consideration	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
9	1	Morphologic differences between primary and permanent teeth	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
10	1	Functions of primary teeth	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
11	1	Dental caries;	pedodontics	A theoretical	Short,

		Definition and Classification		lecture using Power Point	semester, mid-year and final exams
12	1	Etiology of dental caries	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
13	1	y childhood caries	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
14	1	Nursing caries ,baby bottle tooth decay	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
15	1	Severe childhood caries	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
16	1	Rampant dental caries	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
17	1	Restorative dentistry for children	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
18	1	solation & maintenance of dry field and application of the rubber Dam	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
19	1	Morphological consideration ity preparation and instrumentation	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
20	1	ity preparation primary teeth, restorative	pedodontics	A theoretical lecture using	Short, semester, mid-year and final

		materials used on pediatric dentistry, orthodontics & retainers		Power Point	exams
21	1	Some steel crowns	pedodontics	A theoretical lecture using Power Point	Short, semester, mid- year and final exams
22	1	Automatic Restorative Therapy ( ART )	pedodontics	A theoretical lecture using Power Point	Short, semester, mid- year and final exams
23	1	Treatment of deep caries	pedodontics	A theoretical lecture using Power Point	Short, semester, mid- year and final exams
24	1	Diagnosis aids in the selection of teeth for pulp therapy	pedodontics	A theoretical lecture using Power Point	Short, semester, mid- year and final exams
25	1	Indirect pulp treatment	pedodontics	A theoretical lecture using Power Point	Short, semester, mid- year and final exams
26	1	Direct pulp therapy	pedodontics	A theoretical lecture using Power Point	Short, semester, mid- year and final exams
27	1	Pulpotomy	pedodontics	A theoretical lecture using Power Point	Short, semester, mid- year and final exams
28	1	Non vital pulp therapy technique	pedodontics	A theoretical lecture using Power Point	Short, semester, mid- year and final exams
29	1	Reaction of pulp to various capping	pedodontics	A theoretical lecture using	Short, semester, mid- year and final

		material		Power Point	exams
30	1	Failure after vital pulp therapy	pedodontics	A theoretical lecture using Power Point	Short, semester, mid-year and final exams

## 11. Course Evaluation

## 12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	DONALD AND AVERY'S DENTISTRY for CHILD ADOLESCENT 2016 by Elsevier Pediatric dentistry Damile 3rd ed. 2009 Text book of pediatric dentistry Nikhil Marwa 2nd ed. 2009 New Delhi Hand book of pediatric dentistry (Kumar) mosby/third edition/2008 Principles and practice of pedodontics /Arathi Rao /second edition2008 Paediatric dentistry/ Richard Welbury/ Fourth edition Oxford University Press, 2012
Main references (sources)	
Recommended books and references (scientific journals, reports...)	Reports published on the college website
Electronic References, Websites	College website



24. Course Name:
Preventive dentistry
25. Course Code:
531PD
26. Semester / Year:
Annual/fifth stage
27. Description Preparation Date:
2024-2023
28. Available Attendance Forms:
Weekly
29. Number of Credit Hours (Total) / Number of Units (Total)
30 theoretical hours and 75 practical hours
30. Course administrator's name (mention all, if more than one name)
Name: d.mahmoud al awwad Email:
31. Course Objectives
Understanding and assimilating theoretical and practical methods for treating all cases of dental injury in children and learning about scientific methods and methods supported by means of explanation to know how to determine brown and permanent teeth and the problems related to them.
32. Teaching and Learning Strategies
A- Cognitive objectives A-1 Formulating information in a way that enables students to understand A-2 Increasing knowledge regarding the diagnosis

and treatment of various cases of dental diseases in children A-3 Oral and dental care and raising awareness of the importance of preserving baby teeth until the permanent teeth emerge in children B- Special skill objectives In course B1 – Training students on dental conditions in children B2 – Giving instructions on how to deal and interact with children B3 – Acquiring skills to diagnose primary and permanent teeth in children Teaching and learning methods data show.1 Educational movies.2 LCD.3. 4. Incidental cameras. Evaluation methods. 1. Prohibition of lectures. 2. Short and quick daily exam. Quiz. 3. Quarterly exam. 4. Mid-year exam. 5. Final exam. 6. Method of giving questions and room for discussion to solve them during the lecture. C- Emotional and value-based goals C-1 The student's ability to solve problems and possess distinctive thinking C-2 The ability to lead student groups C-3 Evaluating students' achievements Methods of teaching and learning Following up on students' thinking style, methods of expression and speed of response Evaluation methods 1. It depends on the extent of the student's attendance and commitment to lecture and keeping up with him. To explain to the professors 2. Conducting a short examination to evaluate the student's understanding of the material presented and explained in the lecture. 3. Conducting the planned examinations such as the semester, mid-year, and final exams. D – General and transferable skills (other skills related to employability and personal development). D. 1. Professional preparation. D. 2. Scientific preparation. D. 3. Preparation Cultural D-4 Utilizing the acquired skills so that the student becomes a dentist capable of treating patients

### 33. Course Structure

Week	Hou rs	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	1	Preventive dentistry (introduction)	prevention	A theoretical lecture using Power Point	Short, semester, mid- year and final

					exams
2	1	Etiology of dental caries	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
3	1	Fluoride in Dentistry	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
4	1	Systemic fluoridation (history)	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
5	1	Communal water fluoridation	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
6	1	Fluoride supplements	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
7	1	Topical fluoridation	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
8	1	Self-applied fluoride	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
9	1	Professionally applied fluoride	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
10	1	New approach in restorative dentistry	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams

11	1	Toxicity of fluoride	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
12	1	Etiology of dental caries	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
13	1	Microbiology of caries	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
14	1	Cariogenic potential of bact	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
15	1	Fissure sealants	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
16	1	Diet and dental caries	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
17	1	Non - sugar sweeteners	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
18	1	Dietary counseling in dental practice	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
19	1	rition and oral health	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
20	1	rition, diet & periodontal	prevention	A theoretical lecture using	Short, semester, mid-year and final

		disease		Power Point	exams
21	1	Saliva and dental caries	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
22	1	immune system	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
23	1	Oral hygiene measures	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
24	1	Dental Caries development	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
25	1	Diagnosis of caries	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
26	1	Identification of high risk group	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
27	1	Chemo prophylactic agents	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
28	1	Geriatric dentistry	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
29	1	Dental health of disable and medically compromised child	prevention	A theoretical lecture using Power Point	Short, semester, mid-year and final exams
30	1	Health	prevention	A theoretical	Short,

		education and motivation		lecture using Power Point	semester, mid-year and final exams
34. Course Evaluation					
35. Learning and Teaching Resources					
Required textbooks (curricular books, if any)		Primary Preventive Dentistry by Harris NO cia-GodoyF-NatheCN 8th Ed. (20014) • Comprehensive preventive dentistry (2012) ted by Hardy Limeback • Dental caries, the ease and clinical management. Olefejerslkov Edwina kidd., 2nd edition , black well, 2008			
Main references (sources)					
Recommended books and references (scientific journals, reports...)		Reports published on the college website			
Electronic References, Websites		College website			

1. Course Name:
Orthodontics
2. Course Code:
526OD
3. Semester / Year:
5 <sup>th</sup> stage – two terms
4. Description Preparation Date:
2023 – 2024
5. Available Attendance Forms:
Weekly
6. Number of Credit Hours (Total) / Number of Units (Total)
7. Course administrator's name (mention all, if more than one name)
Name: Dr. Abdulkader Omar Tahhan Email: <a href="mailto:a.dentaldream90@gmail.com">a.dentaldream90@gmail.com</a>
8. Course Objectives
The student acquires the correct ability and knowledge for clinical orthodontic and occlusal diagnosis Including aesthetic and radiological facial diagnosis, analysis of results, and drawing up a list of pathological problems Identifying treatment strategies for most orthodontic and occlusal problems and distinguishing between them and the indications for each Treating at least one clinical case in the Ortho Clinic
9. Teaching and Learning Strategies

Developing academic content by modifying, deleting, replacing, and adding  
 Using the latest methods in education  
 Encouraging e-learning  
 Developing clinical diagnosis and treatment skills

#### 10. Course Structure

Week	Hou rs	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Orthodontic diagnosis planning and treatment Personal data (name, age, gender, race, address, referer and chief complaint, motivation, dental and medical history, prenatal history, postnatal history and family history)	Orthodontics	PPT lectures	Periodic interviews in the laboratory
2	2	b. Clinical examination General body status ii. Face examination in 3 dimensions (facial proportions, facial divergence,	Orthodontics	PPT lectures	Periodic interviews in the laboratory
3	2	iii. skeletal examination (sagittal, vertical and transverse relationship) iv. Soft tissue examination extraoral (lips, nose and nasolabial angle, chin, cheek) and intraoral (tongue, frenum, gingiva, palate, tonsils and	Orthodontics	PPT lectures	Periodic interviews in the laboratory



		adenoids)			
4	2	v. Occlusion (classification, midline, overjet and overbite) Dentition (tooth number, position, dental age, wear cracks and white spots) Temporomandibular joint	Orthodontics	PPT lectures	Periodic interviews in the laboratory
5	2	c. Diagnostic aids orthopantomogram (development, advantages, disadvantages, limitations, uses) Study model (preparation, advantages, disadvantages, use)	Orthodontics	PPT lectures	Periodic interviews in the laboratory
6	2	iii. cephalometry (development, cephalostat, advantages, disadvantages, limitations, uses tracing and landmarks) iv. Other views: hand wrist and periapical radiographs (skeletomaturity, localization, resorption)	Orthodontics	PPT lectures	Periodic interviews in the laboratory
7	2	Gov. Photography 3D imaging Consent form	Orthodontics	PPT lectures	Periodic interviews in the laboratory
8	2	e. treatment planning: preventive	Orthodontics	PPT lectures	Periodic interviews in the laboratory

		interceptive, a corrective orthodontics			laboratory
9	2	Incisal overbite a crossbite: a. De bite (types, etiolo treatment)	Orthodontics	PPT lectures	Periodic interviews in t laboratory
10	2	b. Open bite (typ etiology, treatme skeletal vs. dental)	Orthodontics	PPT lectures	Periodic interviews in t laboratory
11	2	c. Cross bite a scissors bite (typ etiology, treatme skeletal vs. dental)	Orthodontics	PPT lectures	Periodic interviews in t laboratory
12	2	c. Cross bite a scissors bite (typ etiology, treatme skeletal vs. dental)	Orthodontics	PPT lectures	Periodic interviews in t laboratory
13	2	Crowding, spac space need: a. Typ of crowding (prima secondary a tertiary)	Orthodontics	PPT lectures	Periodic interviews in t laboratory
14	2	b. Space analysis permanent a mixed dentitie space required a potential spa methods, Bolto ratio)	Orthodontics	PPT lectures	Periodic interviews in t laboratory
15	2	c. Space creati (molar distalizi expansion, extraction, inc proclination, proximal strippi derotation a uprightening)	Orthodontics	PPT lectures	Periodic interviews in t laboratory
16	2	d. Closure of spac (molar protracti	Orthodontics	PPT lectures	Periodic interviews in t laboratory

		incisor retraction (conservative)			
17	2	e. Teeth extraction orthodontics (Type enforced, therapeutic, Wilkinson, balance and compensatory extractions) (indications, advantages, disadvantages each tooth) f. Serial extraction (definition, indications, procedure, advantages, limitations)	Orthodontics	PPT lectures	Periodic interviews in the laboratory
18	2	Treatment common local factors: Include definition, prevalence, etiolo types, effect occlusion, and treatment (with emphasis maxilla canine): a. Extra teeth (supernumerary) and missing teeth (hypodontia)	Orthodontics	PPT lectures	Periodic interviews in the laboratory
19	2	b. Early loss deciduous teeth(space maintainers and space regainers) Retained deciduous teeth, delayed eruption	Orthodontics	PPT lectures	Periodic interviews in the laboratory

		permanent tee impacted tee ankylosis			
20	2	d. Abnormal erupt behavior (displacement, transposition) Large frenum (lab and lingual)	Orthodontics	PPT lectures	Periodic interviews in t laboratory
21	2	f. Bad oral habits	Orthodontics	PPT lectures	Periodic interviews in t laboratory
22	2	Treatment of gene factors: a. Class treatment (etiolo skeletal and s tissue pattern, den factors, bimaxilla proclination, treatment metho and time)	Orthodontics	PPT lectures	Periodic interviews in t laboratory
23	2	a. Class I treatme (etiology, skele and soft tiss pattern, den factors, bimaxilla proclination, treatment metho and time)	Orthodontics	PPT lectures	Periodic interviews in t laboratory
24	2	b. Class II div. treatment (etiolo skeletal and s tissue pattern, den factors, hab treatment metho and time)	Orthodontics	PPT lectures	Periodic interviews in t laboratory
25	2	c. Class II div. treatment (etiolo skeletal and s tissue pattern, den factors, treatme	Orthodontics	PPT lectures	Periodic interviews in t laboratory

		methods and time)			
26	2	d. Class III treatment (etiology, skeletal and soft tissue pattern, dental factors, treatment methods and time)	Orthodontics	PPT lectures	Periodic interviews in the laboratory
27	2	Treatment of adult	Orthodontics	PPT lectures	Periodic interviews in the laboratory
28	2	Periodontal problems and orthognathic surgery	Orthodontics	PPT lectures	Periodic interviews in the laboratory
29	2	Cleft lip and palate	Orthodontics	PPT lectures	Periodic interviews in the laboratory
30	2	Embryology, classification, dental effects, treatment	Orthodontics	PPT lectures	Periodic interviews in the laboratory

### 11. Course Evaluation

Semester exam  
Mid-year exam  
Periodic interviews in the laboratory  
Final practical exam  
The theoretical final exam

### 12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Contemporary Orthodontics ,William R. Pro Sixth edition
Main references (sources)	Textbook of Orthodontics Singh 2007
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

14. Course Name:

Periodontics

15. Course Code:

528PT

16. Semester / Year:

5<sup>th</sup> year, first & second semester

17. Description Preparation Date:

1\2\2024

18. Available Attendance Forms:

Attendance at all lectures and clinical sessions

19. Number of Credit Hours (Total) / Number of Units (Total)

Total hours: 30 theory + 90 practical = 120 hours

Total units: 5 units

20. Course administrator's name (mention all, if more than one name)

Name: Ousama Aziz ibrahim

Email: ousama.ibrahim@gmail.com

21. Course Objectives

- to provide the students' knowledge in periodontology about: epidemiology of periodontal diseases, diagnosis, scaling and root planning, ultrasonic instrumentation, medicine prescription, gingivectomy, flap operation, crown lengthening, mucogingival surgery, regeneration, laser, implantology, furcation, management of compromised patients,
- time management
- patient's communication
- ethics in dentistry

## 22. Teaching and Learning Strategies

Theory and clinical teaching and training

## 23. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4	Understand diagnosis	Diagnosis	PowerPoint, Videos,clinics	Quiz,MCQs, Clinical evaluation
2	4	Understand types of bone loss	Bone loss	=	=
3	4	Understand X ray diagnosis	X-ray	=	=
4	4	Understand new diagnosis methods	Advanced diagnosis	=	=
5	4	Understand occlusion trauma	occlusion	=	=
6	4	Understand roll of immunity periodontics	Immunity 1	=	=
7	4	Understand roll of immunity	Immunity 2	=	=
8	4	Understand and diagnose tooth mobility	Tooth mobility	=	=
9	4	Understand prevalence of periodontal diseases	epidemiology	=	=
10	4	Understand prognosis	prognosis	=	=
11	4	Understand relationship between perio and ortho	Perio-ortho-operative	=	=
12	4	Understand perio. surgery	surgery	=	=
13	4	Training on ultrasonic scaling	ultrasonic	=	=
14	4	Understand gingivectomy technique	gingivectomy	=	=
15	4	Understand immunity	Flap operation	=	=
16	4	Understand different types of mucogingival surgery	Mucogingival surgery	=	=
17	4	Understand furcation diagnosis and treatment	furcation	=	=
18	4	Understand laser in periodontology	laser	=	=
19	4	Understand usage of antibiotics and mouthwashes in perio.	Antimicrobial therapy	=	=
20	4	Manage compromised patient dental clinics	Compromised patient 1	=	=

21	4	=	Compromised patient 2	=	=
22	4	Understand GCF composition and functions	GCF	=	=
23	4	Manage patient with dentin hypersensitivity	hypersensitivity	=	=
24	4	Knowledge about regeneration methods in periodontology	Regeneration 1	=	=
25	4	Knowledge bone grafts	Regeneration 2	=	=
26	4	Knowledge GTR	Regeneration 3	=	=
27	4	Knowledge application of GTR	Regenerative 4	=	=
28	4	Knowledge about anatomy of dental implants.	Oral implantology 1	=	=
29	4	Knowledge about peri-implantitis	Oral implantology 2	=	=
30	4	Knowledge about implantology problems	Oral implantology 3	=	=

#### 24. Course Evaluation

Important subject in dentistry, include 4 semesters to master periodontal diseases diagnosis and therapy.

#### 25. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Ousama ibrahim and Baghdad college lectures
Main references (sources)	-Newman and Carranza's Clinical Periodontology, Thirteen Edition
Recommended books and references (scientific journals, reports...)	-Clinical Periodontology and Implant Dentistry, Seventh Edition, Niklaus P. Lang and Jan Lindhe
Electronic References, Websites	