First: Program Information

University: University of Al-Ameed

College: College of Dentistry

Department: ---

Name of Academic Program: Bachelor of Dental Surgery (B.D.S) - Undergraduate Study

Name of Final Degree: Bachelor of Dental Surgery (B.D.S)

Study System: Yearly

Date of Preparation of Description: Sep, 30th, 2025

Date of Filling the File: Sep, 30th, 2025

10-10-2025 Signature

Dean Assistant for Scientific Affairs of College of Dentistry

Date:

File checked by the Quality Assurance and University Performance Division

Signature

Director of the Quality Assurance and University Performance Division:

Date: 2/10/2025

The program is approved by the Dean of College of Dentistry

Signature

Date: 3/11/2026

Ministry Of Higher Education and Scientific Research
Supervision and Scientific Evaluation System
Quality Assurance and Academic Accreditation Department
International Accreditation Department

Al-Ameed University - College of Dentistry
Academic Program Description

Bachelor of Dental Surgery (B.D.S) / Undergraduate
2025-2026

Revised by
Scientific Committee in University of Al-Ameed – College of Dentistry

1. Vision of Program
Academic Sustainability in Modern Dental Sciences.
2. Mission of Program
Building an environment capable of preparing scientifically, professionally and ethically competent dentists to meet and improve the health needs of society through training and research partnerships.
3. Objectives of Program
1. Strengthening academic and healthcare partnerships 2. Enabling a research environment for students and staff 3. Preparing effective professional outputs 4. Establishing medical and professional humanitarian values 5. Promoting quality standards and comprehensive improvement

4. Accreditation
None

5. External influences
None

6. Program Structure				
Program Structure	Number of modules	Total Credits	Percentage	Notes*
University requirements	46	219	100%	Essential module
College requirements	Yes			
Department requirements	Yes			
Others' requirements	Yes			

*States whether the module is essential or optional

7. Program Description			
Stages (levels)	**Modules**	**Codes**	**Credits**
First stage	**ANATOMY-1**	**102AN**	**4**
	DENTAL ANATOMY	**103DA**	**6**
	MEDICAL BIOLOGY	**104MB**	**6**
	MEDICAL CHEMISTRY	**105MC**	**6**
	MEDICAL PHYSICS	**106MP**	**6**
	MEDICAL TERMINOLOGY	**107MT**	**2**
	DEMOCRACY AND HUMAN RIGHTS	**108HRAD**	**2**
	COMPUTER SCIENCE	**109CS**	**2**
	ARABIC LANGUAGE	**101AL**	
Second stage	**ANATOMY-2**	**201AN**	**4**
	DENTAL MATERIAL	**202DM**	**4**
	ORAL HISTOLOGY AND EMBRYOLOGY	**203OH**	**6**
	GENERAL HISTOLOGY	**204GH**	**6**
	MEDICAL PHYSIOLOGY	**205MP**	**6**
	BIOCHEMISTRY	**206BC**	**6**
	PROSTHODONTICS-2	**207PR**	**6**
	BAATH PARTY CRIMES	**208BC**	**2**
	COMPUTER SCIENCE	**209CS**	**2**

Third stage	OPERVATIVE DENTISTRY-3	301OD	4
	CROWN AND BRIDGE	310CB	4
	ORAL SURGERY-3	302OS	4
	DENTAL RADIOLOGY	303DR	4
	COMMUNITY DENTISTRY	304CD	4
	PROSTHODONTICS-3	305PR	4
	MICROBIOLOGY	306MB	6
	PHARMACOLOGY	307PC	6
	GENERAL PATHOLOGY	308GP	6
	DENTAL ETHICS	309DE	2
Fourth stage	OPERVATIVE DENTISTRY-4	401OD	8
	PERIODONTICS-4	402PT	5
	PROSTHODONTICS-4	403PR	5
	ORAL SURGERY-4	404OS	6
	ORTHODONTICS-4	405OD	6
	ORAL PATHOLOGY	406OP	6
	MEDICINE	407GM	2
	SURGERY	408GS	2
	PEDODONTICS-4	409PAPD	4
Fifth stage	RESEARCH PROJECT	501RP	2
	PREVENTIVE DENTISTRY	502PD	5
	PEDODONTICS-5	503PAPD	5
	OPERVATIVE DENTISTRY-5	504OD	8
	PROSTHODONTICS-5	505PR	8
	PERIODONTICS-5	506PR	5
	ORTHODONTICS-5	507OD	6
	ORAL SURGERY-5	508OS	8
	ORAL MEDICINE	509OM	6

8. Expected learning outcomes of the program

A- Knowledge

A1-The student acquires comprehensive knowledge of the scientific terms used in dentistry and essential related subjects.
A2-The student becomes familiar with the various materials and devices used in the field of dentistry to enhance their ability to deal with all patients.
A3-The student's ability to handle different treatment cases is developed, and the principle of collaboration among a group of students is fostered to address a medical condition and its treatment method.
A4-Complete knowledge is provided to the student to enable them to prepare a treatment plan for the patient.

B- Skills

B1-Developing the thinking skill according to the student's ability so that the student believes in what is tangible and understands when, what, and how to think, while working on improving their ability to think rationally.
B2-Developing critical thinking skills, aimed at presenting a problem, logically analyzing it, and reaching the desired solution.
B3-Making the student aware of the necessity of balancing freedom and responsibility.
B4-Developing the skill of making the right decision in the best interest of the patient, based on logical thinking.

C- Values

C1-Enhancing professional ethics in dealing with patients and colleagues.
C2-Prioritizing the interests of the patient over personal interests, without conflicting with the public good.
C3-Promoting the principle of lifelong learning in order to continue providing the best services.
C4-Considering high values such as justice, transparency, integrity, and compassion.

9- Strategies of Teaching and Learning

1. Review of the previous lecture
2. Textual lectures
3. Presentations
4. Quizzes
5. Video links
6. Discussion sessions for critical thinking and active learning
7. Collaborative lectures

10- Evaluation methods

Theoretical tests-
Oral tests-
Practical laboratory tests-
Practical mannequin tests-
Practical tests on patients-
Reports, studies, and research-

11- Faculty

Faclty members

Scientific degrees	Specialization		Special skills or requirements (if present)	Numbers of Faculty members	
	General specialization	Sub-specialization		Employees	External lecturers
Professor	Physiology	Medical Physiology		1	
Assistant professor	Dentistry	Maxillofacial Surgery		3	
Assistant professor	Dentistry	Operative Dentistry		1	
Assistant professor	Psychiatry Sciences	Teaching Methods		1	
Assistant professor	Pathology	Pathology			1
Assistant professor	Dentistry	Oral Medicine			1
Lecturer	Dentistry	Periodontics		1	

Lecturer	English Language	Teaching Methods		1	
Lecturer	Physics	Physics of Medical Image Processing		1	
Lecturer	Microbiology	Microbiology		1	
Lecturer	Dentistry	Maxillofacial Surgery		2	
Lecturer	Dentistry	Orthodontics		1	
Lecturer	Dentistry	Prosthodontics		1	
Lecturer	Arabic Language	Teaching Methods		1	
Lecturer	Computer Engineering	Programming Engineering		2	
Lecturer	General Medicine and Surgery	Medicine			1
Lecturer	Embryology	Clinical Reproductive Infertility			1
Assistant lecturer	Veterenary Medicine	Medical Physiology			1
Assistant lecturer	Chemistry	Clinical Biochemistry		1	
Assistant lecturer	Biology	Biology		2	
Assistant lecturer	Dentistry	Operative Dentistry		4	
Assistant lecturer	Dentistry	Dental Radiology		1	
Assistant lecturer	Dentistry	Pedodontics		1	
Assistant lecturer	Dentistry	Oral Histology		1	
Assistant lecturer	Dentistry	Oral Medicine			1
Assistant lecturer	Dentistry	Oral Pathology		1	
Assistant lecturer	Dentistry	Orthodontics		1	
Assistant lecturer	Dentistry	Prosthodontics		2	
Assistant lecturer	Dentistry	Operative Dentistry			1

Assistant lecturer	Dentistry	Preventive Dentistry		1	
Assistant lecturer	Dentistry	Pedodontics			2
Assistant lecturer	Chemistry	Organic Chemistry		1	
Assistant lecturer	Pharmacy	Pharmacology		1	
Assistant lecturer	Chemistry	Chemistry		1	
Assistant lecturer	Law	General Law		1	
Assistant lecturer	Arabic Language	Linguistic Morphology		1	
Assistant lecturer	Medical Devices Engineering	Medical Devices		1	
Assistant lecturer	Agriculture Engineering	Horticulture		1	

Professional development

New faclty members

New faculty members should pass Courses of Teaching Methods, Tests of Teaching Efficiency, and essential certificates related to their fields of specializations.

Professional development of faclty members

Faculty members should participate in development courses in the areas of specialization and related fields, attend conferences, seminars, scientific events, and continuing education activities, follow modern methods in education, enrich scientific research, and play their role in serving the community.

12- Administration Criteria

Admission is centralized through the Department of Studies and Planning's portal on the Ministry's website. Applicants must undergo an interview with a special committee issued by the college to ensure they meet the physical and mental health requirements for dental specializations.

13- The most important sources of information about the program

1 .The college and university website.

2 .The college guide.

3. The college's textbooks and academic resources.

14- Program Development Plan

Relying on feedback from graduates, health departments, and other stakeholders to develop plans and programs necessary to develop and update the academic program, and holding meetings attended by curriculum experts and decision-makers in educational, scientific, health, and community institutions.

Program Skills Outline

Please check the boxes referring to the expected learning outcomes of each course

Year/Level	Course Code	Course name	Essential or optional	Requireed program learning outcomes											
				Knowledge and understanding				Skills				Values			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
First Year	101AN	Human Anatomy	Essential	√	√			√	√	√	√	√	√	√	√
	102MT	English Language and Medical Terminology	Essential	√	√			√	√	√	√	√	√	√	√
	109CS	Computer Sciences	Essential	√	√			√	√	√	√	√	√	√	√
	104DA	Dental Anatomy	Essential	√	√			√				√	√		
	105HRAD	Human Rights And Democracy	Essential	√	√			√	√			√	√		
	106CH	Medical Chemistry	Essential	√	√	√	√	√	√	√		√	√	√	√
	107PS	Medical Physics	Essential	√	√	√	√	√	√			√	√	√	√
	203CS	Computer Sciences	Essential	√	√			√	√	√	√	√	√	√	√
	108BL	Medical Biology	Essential	√	√	√	√	√	√	√		√	√	√	√
	101AL	Arabic Language	Essential	√	√			√	√			√	√		

Program Skills Outline															
Please check the boxes referring to the expected learning outcomes of each course															
				Requireed program learning outcomes											
Year/Level	Course Code	Course Name	Essential or optional	Knowledge and understanding				Skills				Values			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
Second Year	209DM	Dental Material	Essential	√	√	√		√	√			√	√		
	210PR	Prosthodontics	Essential	√	√			√	√			√	√	√	√
	212BC	Biochemistry	Essential	√	√	√	√	√	√	√		√	√	√	√
	213GH	General Histology	Essential	√	√	√		√	√			√			
	214PH	General Physiology	Essential	√	√			√				√	√		
	209DE	Baath Party Crimes	Essential	√	√			√	√	√	√	√	√	√	√
	215OH	Oral Histology	Essential	√	√			√	√	√		√	√		
	209CS	Computer Sciences	Essential	√	√			√	√	√	√	√	√	√	√
	201AN	Anatomy	Essential	√	√			√	√	√	√	√	√	√	√

Program Skills Outline

Please check the boxes referring to the expected learning outcomes of each course

Year/Level	Course Code	Course Name	Essential or optional	Requireed program learning outcomes											
				Knowledge and understanding				Skills				Values			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
ThirdYe ar	316MB	Microbiology	Essential	√	√	√	√	√	√	√		√	√		
	317PC	Pharmacology	Essential	√	√	√	√	√	√			√	√		
	318CM	Community Dentistry	Essential	√	√	√		√	√	√		√	√	√	
	319CV	Conservative dentistry	Essential	√	√			√	√			√	√		
	310CB	Crown and Bridge	Essential	√	√			√	√			√	√		
	320RL	Dental Radiology	Essential	√	√	√	√	√	√	√		√			
	321PA	General Pathology	Essential	√	√	√		√	√	√		√			
	322OS	Oral Surgery	Essential	√	√	√		√	√	√		√			
	310PR	Prosthodontics	Essential	√				√	√			√	√	√	√
	309DE	Dental Ethics	Essential	√	√	√		√	√	√		√	√	√	

Program Skills Outline

Please check the boxes referring to the expected learning outcomes of each course

Year/Level	Course Code	Course Name	Essential or optional	Requireed program learning outcomes											
				Knowledge and understanding				Skills				Values			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
Fourth Year	423GM	General Medicine	Essential	√	√	√		√	√			√			
	424GS	General Surgery	Essential	√	√	√		√	√			√			
	422OS	Oral Surgery	Essential	√	√	√	√	√	√	√		√			
	419CV	Conservative Dentistry	Essential	√	√	√		√	√			√	√		
	425OP	Oral Pathology	Essential	√	√	√		√	√	√		√			
	426OD	Orthodontic	Essential	√	√	√		√				√			
	427PE	Pedodontic	Essential	√	√	√		√	√	√		√	√	√	
	428PT	Periodontics	Essential	√	√	√		√	√	√		√	√	√	
	410PR	(Prosthodontics)	Essential	√	√	√		√	√	√		√	√	√	√

Program Skills Outline															
Please check the boxes referring to the expected learning outcomes of each course															
				Requireed program learning outcomes											
Year/Level	Course Code	Course Name	Essential or optional	Knowledge and understanding				Skills				Values			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
Fifth Year	519CV	Conservative Dentistry	Essential	√	√	√	√	√	√	√		√	√		
	529OM	Oral Medicine	Essential	√	√	√		√	√	√		√			
	522OS	Oral Surgery	Essential	√	√			√	√	√	√	√	√		
	530PAPD	Pedodontics	Essential	√	√	√		√	√	√		√	√	√	√
	531PD	Prevention	Essential	√	√	√		√	√	√		√	√		
	510PR	Prosthodontics	Essential	√	√	√	√	√	√	√	√	√	√	√	√
	526OD	Orthodontics	Essential	√				√	√			√			
	528PT	Periodontics	Essential	√	√	√		√	√	√		√	√	√	

Course Description Form

1- Course name:
MEDICAL BIOLOGY
2- Course code:
104MB
3- Year:
2026-2025
4- Date of preparation of this description:
2026-2025
5- Available forms of attendance:
In-person education in classrooms, laboratories and clinics
6- Total number of study hours and total number of units:
Total number of study hours (theoretical + practical for 30 weeks):120 **Total number of units (theoretical and practical):6**
7- Name of the course supervisor(s):

Biologistbaneen460@gmail.com	**:Email**	**Name: M.M. Benin Haider Jabbar**

8- Course objectives:
1. Learn about the internal structure of the cell and the types of cells. **2. Identify the most important medical parasites, understand the factors that lead to parasitic diseases and classify parasites.** **3. Using the electron microscope to identify the internal structure of tissues**

9- Teaching and learning strategies:
1. Feedback from the previous lecture
2. Text lectures
3. Presentations
4. Daily tests
5. Video Links
6. Discussion sessions

10- Course structure:

The week	Hours	Required learning outcomes	Name of unit/course or topic	Teaching method	Evaluation method
1	2	Introduction to Biology	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
2	2	Bacteria and viruses	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
3	2	Bacteria and disease	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
4	2	Immune system	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
5	2	Parasitology, type of parasites	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
6	2	Types of hosts	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, semester, mid-term

				critical thinking and active learning	and final exams
7	2	Entamoeba histolytica, and coli	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
8	2	Giardia lambelia, Leishmania tropica	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
9	2	Plasmodium vivax, Toxoplasma gondii	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
10	2	Fasciola hepatica, schistosomaspp	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
11	2	Taeniasaginata and solium, Echinococcus granulosus	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
12	2	Ascarislumbricoides, Ancylostoma, Enterobius	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
13	2	Cell biology	Biology	Textual, presentation, and video lectures	Short, semester,

				(individual and collaborative) stimulate critical thinking and active learning	mid-term and final exams
14	2	Structure of macromolecules	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
15	2	Structure of plasma membrane	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
16	2	Half-year Brea	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
17	2	Endoplasmic reticulum	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
18	2	Mitochondria, Golgi apparatus	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
19	2	Nuclear membrane andChromatin	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

20	2	Spermatogensis and Oogensis	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
21	2	Histology, epithelial tissues	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
22	2	Connective tissues	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
23	2	Cartilage, bones	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
24	2	Blood	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
25	2	Muscular tissue	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
26	2	Nerve tissues	Biology		
27	2	Genetic and inheritance	Biology		
28	2	Hereditary and environment,DNA, RNA	Biology		

29	2	Human karyotypes, chromosomes, mutation	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm and final exams
30	2	Blood groups, genetic engineering, restrictions	Biology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester has (4) for theory, (4) for practice, and (2) for activity and attendance. Mid-term exam (20) Final exam (20) for practical and (40) for theoretical	
12- Teaching and learning resources:	
Cell Biology,3rd edition.2017	**Required textbooks (methodology if any)**
http://histologyguide.com/about-us/sorenson-atlas-of-human-histology-semester-1.pdf	**Main References (sources)**

Course Description Form

1- Course name:		
DENTAL ANATOMY		
2- Course code:		
103DA		
3- Year:		
2026-2025		
4- Date of preparation of this description:		
2026-2025		
5- Available forms of attendance:		
In-person education in classrooms and laboratories		
6- Total number of study hours and total number of units:		
Total number of study hours (theoretical + practical for 30 weeks): Theoretical18Hour + Practical40hour Total number of units: Theoretical 4 units + Practical 2 units		
7- Name of the course supervisor(s):		
waleedkh1992@gmail.com	:Email	Name: Walid Khaled Jameel
8- Course objectives:		
The teaching of dental anatomy aims to formulate and program information in a way that enables the student to absorb it and increase knowledge regarding the theoretical and practical aspects, and to introduce students to the anatomical model of teeth, train students on the process of sculpting teeth on wax molds based on the measurements of each tooth, and to give students a comprehensive practical program by training them on sculpting teeth on wax molds.		
9- Teaching and learning strategies:		
Quick review of previous lectures, Text lectures, Presentations, Daily and quarterly tests, Direct dental carving and training students on carving in laboratories, and 'Evaluate studentscarving periodically		

The week	Hours	Theoretical content	Name of unit/course or topic	Teaching method	Evaluation method
2-1	2	Introduction Nomenclature Heterodent Diphyodont The Deciduous Teeth The Permanent Teeth Anterior and Posterior Teeth The Jaw	Dental anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
4-3	2	Numbering Systems 1. Universal notation system. 2. Palmer notation system. Crown and Root Dental pulp. Anatomical crown. Surfaces and Ridges	Dental anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
6-5	2	Anatomical Landmarks Cusp, Tubercle, Cingulum, Ridge, Fossa, Developmental groove, Pit	Dental anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
8-7	2	Permanent Maxillary Central Incisor Characteristic features of incisor's crown Permanent Maxillary Central Incisor	Dental anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

		Key identifying features			
10-9	2	Permanent Maxillary Lateral Incisor Principal identifying features(Labial Aspect, Mesial Aspect, Distal Aspect, Lingual Aspect, Incisal Aspect). Variations from the typical form (Anomalies)	Dental anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
12-11	2	Permanent Mandibular Incisors Characteristic features of Permanent mandibular Incisors Permanent Mandibular Central Incisor Key identifying features Permanent Mandibular Lateral Incisor Key identifying features Some differences between maxillary and mandibular central incisors Main differences between maxillary central and lateral incisors	Dental anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
14-13	2	Permanent Canines General Characteristic Features of the Canines The Permanent Maxillary Canine Key Identifying Features The Permanent Mandibular Canine Principal Identifying Feature	Dental anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
16-15	2	Permanent Maxillary Premolars Some characteristic features to all posterior teeth	Dental anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical	Short, semester, mid-term

		Maxillary First Premolar Key identification features: Maxillary Second Premolar Key identifying features		thinking and active learning	and final exams
18-17	2	Permanent Mandibular Premolars Mandibular First Premolar Characteristics that resemble those of the mandibular canine. Characteristics that resemble those of the second premolar mandibular. Key Identifying Features	Dental anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
20-19	2	Permanent Mandibular Second Premolar Key Identifying Features	Dental anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
22-21	2	Permanent Maxillary Molars Maxillary First Molar Key Identifying Features Maxillary second molar	Dental anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
24=23	2	Permanent Mandibular Molars Mandibular First Molar Key Identifying Features	Dental anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short and midterm exams
26-25	2	Permanent Mandibular Second Molar Key Identifying Features	Dental anatomy	Textual, presentation, and video lectures (individual and collaborative)	Short and midterm exams

		Mandibular Third Molar Key Identifying Features		stimulate critical thinking and active learning	
28-27	2	Tooth Development Sequential Order of Deciduous Teeth According to their Eruption Times Deciduous Teeth The Importance of Deciduous Teeth Maxillary Deciduous Teeth Mandibular Deciduous Teeth Principal Differences between Deciduous and Permanent Teeth	Dental anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
30-29	2	Pulp Cavities Pulp Cavities of the Maxillary Teeth Pulp Cavities of the Mandibular Teeth	Dental anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, and final exams

11- Course evaluation:

Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester has (4) for theory, (4) for practice, and (2) for activity and attendance.
Mid-term exam (20)
Final exam (20) for practical and (40) for theoretical

12- Teaching and learning resources:

1. Woelfel's dental anatomy, its relevance to dentistry. by Rickne C Scheid.
2. Wheeler's Atlas of Tooth Form By Major M Ash.

Dental carving and drawing videos available on several sites, including YouTube.

Course Description Form

1- Course name:
ANATOMY-1
2- Course code:
102AN
3- Year:
2026-2025
4- Date of preparation of this description:
2026-2025
5- Available forms of attendance:
In-person education in classrooms and laboratories
6- Total number of study hours and total number of units:
Total number of study hours (theoretical + practical for 21 weeks): 90 hours Total number of units (theoretical and practical): 4
7- Name of the course supervisor(s):

drsermad@gmail.com	:Email	Dr. Sarmed Jafar Mohammed Al-Rubaie

8- Course objectives:
Students' knowledge of basic general anatomy, types of bones and muscles, and study of the anatomy of the skull bones, vertebrae, rib cage, and abdominal wall, as well as the body's systems, including the anatomy of the respiratory system, digestive system, urinary and reproductive system, and circulatory system, and linking all teaching materials to the clinical aspect and explaining the pathological cases of each anatomical region. Explain the importance of anatomy in relation to surgical and dental applications.
9- Teaching and learning strategies:
Text lectures, Presentations, Teaching students general human anatomy and body systems within the prescribed curriculum using visual aids such as pictures and anatomical models, Discussion sessions, Training on the manikins inside the laboratories, and Quizzes

10- Course structure					
The week	**Hours**	**Required learning outcomes**	**Name of unit/course or topic**	**Teaching method**	**Evaluation method**
1	2	Introduction	General anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
2	2	Basic structures	General anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
3	1	Basic structures	General anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
4	1	Basic structures	General anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
5	2	Skull	General anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

6	2	Skull	General anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
7	1	Skull	General anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
8	1	Skull	General anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
9	1	Skull	General anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
10	1	Skull	General anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
11	1	Vertebral column	General anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical	Short, semester, mid-term and final exams

				thinking and active learning	
12	2	Vertebral column	General anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
13	2	Maxillae and Mandible	General anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
14	2	Thorax	General anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
15	1	Thorax	General anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
16	2	Diaphragm and lungs	General anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
17	2	Major vessels and nerves	General anatomy	Textual, presentation, and video lectures (individual and	Short, semester, mid-term

				collaborative) stimulate critical thinking and active learning	and final exams
18	1	Nervous system	General anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
19	1	Abdominal wall and cavity	General anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
20	1	Reproductive system	General anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
21	1	Lymphatic system	General anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, and from them there will be for each semester (5) for the theoretical, (4) for the practical, and (1) for activity and attendance Mid-term exam (20) Final exam (20) for practical and (40) for theoretical	
12- Teaching and learning resources:	
Grant's Atlas of Anatomy, 12th Edition	Required textbooks (methodology if any)
Snell's Clinical Anatomy by Regions 10th Edition	Main References (sources)
Grant's Atlas of Anatomy, 12th Edition	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites

Course Description Form

1- Course name:		
MEDICAL CHEMISTRY		
2- Course code:		
105MC		
3- Year:		
2026-2025		
4- Date of preparation of this description:		
2026-2025		
5- Available forms of attendance:		
In-person education in classrooms and laboratories		
6- Total number of study hours and total number of units:		
Total number of study hours (theoretical + practical for 30 weeks):2Theory hour +2 Practical watch120hour per year) Total number of units (theoretical and practical):6Units		
7- Name of the course supervisor(s):		
Ahmed.twayej@alameed.edu.iq	:Email	Name: Asst. Prof. Dr. Ahmed Jassim Mohammed
8- Course objectives:		
. Understand the basic concepts of medicinal chemistry. . Study methods for determining chemical concentrations and types of chemical titrations. . Understand the basic principles of quantitative and qualitative analysis methods in analytical chemistry. . Deduct what is studied theoretically through scientific experiments in a dedicated medicinal chemistry laboratory.		

. Enabling students to understand acids and bases, their theoretical concepts, explain their behaviors, and study their properties, such as ionic equilibrium and buffer solutions.
. Introduce students to the chemical structures of biological molecules, their importance in building the cells of living organisms, and how they bond to form the macromolecules of cells. Students will learn methods for detecting and characterizing them in laboratories, as well as their practical applications aimed at developing and keeping pace with the scientific advancements in medicinal chemistry.
. Teach and educate students on all the necessary information related to medicinal chemistry, which qualifies them for work and research in all fields of biochemistry.

9- Teaching and learning strategies:

Lectures using PowerPoint and the interactive whiteboard.
Displaying educational videos.
Guiding students to some useful research websites.
Conducting experiments included in the curriculum.
Providing students with the foundations and additional topics related to the outcomes of biochemical thinking and analysis.
Forming discussion groups during lectures to discuss biochemistry topics that require thinking and analysis.
Asking students to develop a set of thinking questions during lectures, such as what, how, when, and why, for specific topics.
Assigning students homework that requires self-explanations using causal methods.
Monitoring students' thinking and breaking down their fear barrier through scientific discussions and seminars conducted by students, as well as encouraging them to engage in scientific activities by forming student groups to do so.
Field observations of diagnostic and therapeutic medical devices and their chemical function.
Using references, periodicals, and modern learning tools such as the Internet.
Classroom discussions, in addition to research and reflection.
Scientific initiatives and contributing to the scientific additions to the curriculum.

The week	Hours	Required learning outcomes	Name of unit/course or topic	Teaching method	Evaluation method
1	2	Acid, Base and Salt	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
2	2	salts, preparation of salts	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
3	2	Fluid and electrolyte	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
4	2	Buffer-pH and Acid-Base Balance	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
5	2	acid-base balance and blood pH	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
6	2	Colloids and colloidal dispersions	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, semester, mid-term

				critical thinking and active learning	and final exams
7	2	Molar concentration (Molarity)	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
8	2	Chirality in biological systems	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
9	2	Pollution	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
10	2	Radiochemistry	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
11	2	Alkanes and Cycloalkanes	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
12	2	Alkenes and Alkynes	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

13	2	Aromatic compounds	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
14	2	Aromatic compounds in nature	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
15	2	Stereoisomers of Carbon	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
16	2	Diastereomers	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
17	2	Phenols preparation,) (reactions	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
18	2	Carboxylic Acids And Their Derivatives	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
19	2	Amides	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, semester, mid-term

				critical thinking and active learning	and final exams
20	2	Aldehydes and ketones	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
21	2	Carbohydrates	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
22	2	Monosaccharide's	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
23	2	Disaccharides	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
24	2	Lipids	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
25	2	Derived lipids	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

26	2	Proteins and Amino Acids	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
27	2	Amino acids	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
28	2	Nucleic Acids	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
29	2	Acid, Base and Salt	chemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

11- Course evaluation:

ExamsOral-ExamsSurpriseShort - Scientific research -Exams Editorial - ActivitiesExtracurricularDialogues and discussionsand -Follow upInvestigation and extentinterest -
Daily exams andbezelCommitment
Distribution of grades (10) for the first semester, equally divided between practical and theoretical, and (10) for the second semester, equally divided between practical and theoretical.
Mid-year exam (20) theoretical
Final exam (20) for practical and (40) for theoretical

12- Teaching and learning resources:	
There is no required textbook within the course.	Required textbooks (methodology if any)
Introduction to Medical Physics BySTephen Keevil Introduction to Physics in Modern Medicine, (Suzanne Amador 2002), Radiation Physics for Medical Physicists (Ervien B, Poodgorasak, 2006).	Main References (Sources)
Elsevier Journals in medical Chemistry, Medicinal chemistry articles within Nature Chemistry	Recommended supporting books and references (scientific journals, reports, etc.)
PubMed, Science Direct, Google Scholar, Web of Science	Electronic references, websites

Course Description Form

1- Course name:
MEDICAL PHYSICS
2- Course code:
106MP
3- Year:
2026-2025
4- Date of preparation of this description:
2026-2025
5- Available forms of attendance:
In-person education in classrooms, laboratories and clinics
6- Total number of study hours and total number of units:

Total number of study hours (theoretical + practical for 30 weeks):2Theory hour +2 Practical watch120hour per year)
Total number of units (theoretical and practical):6Units

7- Name of the course supervisor(s):

sara_ahmed@alameed.edu.iq	:Email	Name: Dr. Sara Ahmed Khader Al-Dumaimi

8- Course objectives:

. Identify the most important basic concepts of general physics.
. Identify the terms and laws related to physical sciences, physical phenomena, and the factors affecting these laws and their effects on each other and on the environment.
. Inferring what is studied theoretically through scientific experiments in the special laboratory for medical physics.
Enabling the student to apply the most important general physical laws, such as the transmission of sound and light and electrical principles, to the physiology of the human body and the functioning of its systems and organs.
Enabling the student to know how to use all the laws and natural physical factors in treating the human body or diagnosing some medical conditions and even following up the patient clinically.
There are basic educational and emotional objectives that the student is trained on during the teaching of the scientific curriculum:
Experimental and investigative thinking, exploratory and critical thinking

9- Teaching and learning strategies:

Lectures using PowerPoint and interactive whiteboard.
Show educational videos.
.Guide students to some useful research sites.
Conducting experiments included in the curriculum.
Conducting physical experiments to prove general physical laws.
Follow up on the students' way of thinking and break their fear barrier through scientific discussions and seminars conducted by the students, as well as encouraging them to engage in scientific activities.Forming groups of studentsTo do that.

Field observations of diagnostic and therapeutic medical devices and how they physically work.
.Use references and periodicals and use modern learning methods such as:The Internet
.DiscussionsClassroom In addition to researchAnd thinking
.InitiativesScientific and contribute to the scientific additions to the course

10- Course structure:

The week	Hours	Required learning outcomes	Name of unit/course or topic	Teaching method	Evaluation method
1	2	& Introduction Termonology	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
2	2	Modeling & Mesurements	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
3	2	Force on& in body: Static forces :(type of levers with medical examples) , Dynamic forces, *(Centrifuge)	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
4	2	Physics of the skeleton:Bones:(Function of bones, Composition of bone, bone remodeling, compact and trabecular bone) Stress-strain curve :(compressive and tensile stress, young modulus). Bone joints :(Synovial .(coefficient of a joint ,fluid	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

5	2	Physics of the skeleton:Bones:(Function of bones, Composition of bone, bone remodeling, compact and trabecular bone) Stress-strain curve :(compressive and tensile stress, young modulus). Bone joints :(Synovial .(coefficient of a joint ,fluid	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
6	2	Heat and cold in medicine	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
7	2	Heat and cold in medicine	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
8	2	& diffintion Pressure :principles	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
9	2	human Body :Pressure Pressure	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
10	2	:within the body Electricity	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical	Short, semester, mid-term and final exams

				thinking and active learning	
11	2	:within the body Electricity	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
12	2	of ECG Physics	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
13	2	Sound in medicine:Properties of sound.mechanism of hearing	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
14	2	Physics of the ear and hearing: Defective vision, audits correlation (short and long sight, Astigmatism, contact lenses, glasses prescription. Color vision and chromatic aberration (color blindness, purkinje effect, and ocular chromatic aberration). .Ophthalmoscope	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
15	2	Ultrasound) A-scan, B-scan	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

16	2	Ultrasound) A-scan, B-scan	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
17	2	:in medicine Light	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
18	2	:in medicine Light	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
19	2	Laser in medicine What is laser?	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
20	2	General Applications of Laser, Laser Dental Application	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
21	2	Physics of eye and vision:	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical	Short, semester, mid-term and final exams

				thinking and active learning	
22	2	Physics of eye and vision:	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
23	2	Physics of diagnostic X-ray:	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
24	2	Physics of diagnostic X-ray:	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
25	2	of nuclear Physics :medicine	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
26	2	of nuclear Physics :medicine	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
27	2	of radiation Principles .therapy	physics	Textual, presentation, and video lectures (individual and	Short, semester,

				collaborative) stimulate critical thinking and active learning	mid-term and final exams
28	2	The dose units (Rad and Gray).	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
29	2	of radiation Physics :therapy	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
30	2	protection Radiation	physics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

11- Course evaluation:

ExamsOral-ExamsSurpriseShort - Scientific research -Exams Editorial - ActivitiesExtracurricularDialogues and discussionsand -Follow upInvestigation and extentinterest -
Daily exams andbezelCommitment
Distribution of grades (10) for the first semester, equally divided between practical and theoretical, and (10) for the second semester, equally divided between practical and theoretical.
Mid-year exam (20) theoretical
Final exam (20) for practical and (40) for theoretical

12- Teaching and learning resources:	
There is no required textbook within the course.	Required textbooks (methodology if any)
Introduction to Medical Physics BySTephen Keevil Introduction to Physics in Modern Medicine, (Suzanne Amador 2002), Radiation Physics for Medical Physicists (Ervien B, Poodgorasak, 2006).	Main References (Sources)
Elsevier Journals in medical physics, Nature Journal of Nanotechnology	Recommended supporting books and references (scientific journals, reports, etc.)
Science Direct, Google Scholar, Web of Science	Electronic references, websites

Course Description Form

1- Course name:		
COMPUTER SCINECE		
2- Course code:		
109CS		
3- Year:		
2026-2025		
4- Date of preparation of this description:		
2026-2025		
5- Available forms of attendance:		
In-person education in classrooms, laboratories and clinics		
6- Total number of study hours and total number of units:		
Total number of study hours (theoretical + practical for 30 weeks):90hour Total number of units (theoretical and practical): 4 units		
7- Name of the course supervisor(s):		
fuqdan@alameed.edu.iq	:Email	Name: M. Fakoud Abdel Fadhel Katea
8- Course objectives:		
Its objectives revolve around knowing the technical matters related to computers and the applications that the student needs in his academic and practical life, in addition to dealing with some blended learning platforms and how to manage them.		
9- Teaching and learning strategies:		
1. Quick review of previous lectures 2. Text lectures 3. Presentations 4. Daily testsAnd the quarterly		

10- Course structure:

The week	Hours	Learning outcomes	Name of unit/course or topic	Teaching method	Evaluation method
1	2	Introduction about computer /Hardware and Software/computer structure/`Floppy magnetic disks	Computer Science	Computer Labs	Practical exams
2	2	Operating systems/CD-/ROM	Computer Science	Computer Labs	Practical exams
3	2	Create Files & Folders High level programming language /Constant and variable/Library Function /Arithmetic expression/Type of Monitor /Number of systems	Computer Science	Computer Labs	Practical exams
4	2	Introduction to MS-DOS Operating systems/DOS drive/Key-Board	Computer Science	Computer Labs	Practical exams
5	2	DOS commands /Internal Commands/External Commands	Computer Science	Computer Labs	Practical exams
6	2	Introduction about Windows /A look at Windows 7/Stating Windows XP/Working with a windows Program	Computer Science	Computer Labs	Practical exams
7	2	Working with files and folders/ Using My computer	Computer Science	Computer Labs	Practical exams
8	2	Working with Taskbar and Desktop	Computer Science	Computer Labs	Practical exams

		Using Windows Accessories			
9	2		Computer Science	Computer Labs	Practical exams
10	2	A look at Control Panel	Computer Science	Computer Labs	Practical exams
11	2	Widows Explorer	Computer Science	Computer Labs	Practical exams
12	2	libraries	Computer Science	Computer Labs	Practical exams
13	2	Introduction about Microsoft Word A look at Microsoft Word /Editing Document	Computer Science	Computer Labs	Practical exams
14	2	/Formatting Text	Computer Science	Computer Labs	Practical exams
15	2	Formatting paragraphs	Computer Science	Computer Labs	Practical exams
16	2	Proofing documents	Computer Science	Computer Labs	Practical exams
17	2	Adding Tables	Computer Science	Computer Labs	Practical exams
18	2	Inserting Graphic Elements	Computer Science	Computer Labs	Practical exams
19	2	Controlling page appearance	Computer Science	Computer Labs	Practical exams
20	2	Introduction about Excels /A Look at Microsoft Excel	Computer Science	Computer Labs	Practical exams
21	2	Modifying A Worksheet /performing Calculations	Computer Science	Computer Labs	Practical exams
22	2	Formatting a worksheet/ Developing a workbook	Computer Science	Computer Labs	Practical exams

23	2	Printing Workbook Contents/Customizing Layout	Computer Science	Computer Labs	Practical exams
24	2	Introduction about Microsoft Access/ A look at Microsoft Access	Computer Science	Computer Labs	Practical exams
25	2	Creating Data tables /properties of the fields	Computer Science	Computer Labs	Practical exams
26	2	Querying the database/Designing Forms/Producing reports	Computer Science	Computer Labs	Practical exams
27	2	Introduction about Microsoft Power point/starting power point	Computer Science	Computer Labs	Practical exams
28	2	Formatting text/Using graphics and Text	Computer Science	Computer Labs	Practical exams
29	2	Manipulating the slides/Using Multimedia Elements	Computer Science	Computer Labs	Practical exams
30	2	Power point Management	Computer Science	Computer Labs	Practical exams

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester will have (4) for theory, (4) for practice, and (2) for activity. **Mid-term exam (20)** **Final exam (20) for practical and (40) for theoretical**	
12- Teaching and learning resources	
Microsoft tutorial book	**Main References (Sources)**
/https://www.w3schools.com	**Electronic references, websites**

Course Description Form

1- Course name:		
MEDICAL TERMINOLOGY		
2- Course code:		
107EL		
3- Year:		
2026-2025		
4- Date of preparation of this description:		
2026-2025		
5- Available forms of attendance:		
In-person education in classrooms		
6- Total number of study hours and total number of units:		
Total number of study hours (theoretical + practical for 30 weeks):30hour Total number of units (theoretical and practical):2Units		
7- Name of the course supervisor(s):		
basimzwain@alameed.edu.iq	Email	Prof. Dr. Basim MH Zwain
8- Course objectives:		
* Knowledge of various scientific terms used in medical specialties. * Knowledge of listening, reading, writing and speaking skills in English * Understand the most important rules of the English language * Knowing the most important phrases used for communication between the doctor and the patient.		
9- Teaching and learning strategies:		
Feedback from the previous lecture, Text lectures, Presentations, Daily tests, Video Links, and Discussion sessions		

The week	Hours	Learning outcomes	Name of unit/course or topic	Teaching method	Evaluation method
1	1	Define language, Medicine, Dentistry, and a term. Basic Elements of a Medical Word. Define the terms word root, combining vowel, combining form, prefix, and suffix. State the rules for construction of the medical words. Roots of medical and dental words. Suffixes: Dental, Surgical, Diagnostic, ...etc. .Suffixes: Adjective, and Noun .Suffixes:Singular versus Plural Prefixes: Adjective Metric, Numbers, Positions, Time, Directions and Colors Divide medical words into their component parts. Use multiple words' roots in a compound word.	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
2	1	Direct and indirect speech	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	For short, semester, mid-year and final theory exams
3	1	Revision of listing and defining important prefixes that deal with, numbers, colors, positions, and directions. Learn standard medical and dental terms:	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical	Short, semester, mid-year and final theoretical exams

		Direction of movement, position, and anatomical posture, and planes. Define, spell, and pronoun medical terms used in this lecture.		thinking and active learning	
4	1	Common Mistakes	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	For short, semester, mid-year and final theory exams
5	1	Body structure and organization Name and elements of the body systems: Cells, tissues, organs, and systems. Commonly used anatomical descriptive and directional terms, planes, and regions. Spell, define, and pronounce new terms in this lecture.	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
6	1	Passive voice	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	For short, semester, mid-year and final theory exams
7	1	The integumentary system Definition and parts of this system .Function and disorders Spell, pronounce, and explain important common terms in this system.	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams

8	1	Adjectives	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	For short, semester, mid-year and final theory exams
9	1	Gastrointestinal System Definition and parts of this system. .Function and disorders Spell, pronounce, and explain important common terms in this system.	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
10	1	Integrating a quotation into an essay	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	For short, semester, mid-year and final theory exams
11	1	Oral and Dental Terminology .Definition Main Branches of Dentistry	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
12	1	Prepositions in English Grammar with examples	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	For short, semester, mid-year and final theory exams

13	1	.Teeth surfaces Common conditions that affect the oral cavity. Spell, pronounce, and explain important terms related to each branch in dentistry	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
14	1	Idioms and Phrases-I	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	For short, semester, mid-year and final theory exams
15	1	CARDIOVASCULAR SYSTEM Definition and parts of this system. .Function and disorders Spell, pronounce, and explain important common terms in this system.	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
16	1	Writing assignment-I	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	For short, semester, mid-year and final theory exams
17	1	Blood, Lymph, and Immune Systems Definition and parts of this system. .Function and disorders Spell, pronounce, and explain important common terms in this system. THE RESPIRATORY SYSTEM	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams

		Definition and parts of this system. .Function and disorders Spell, pronounce, and explain important common terms in this system.			
18	1	Synonyms in English-I	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	For short, semester, mid-year and final theory exams
19	1	Skeletal system Definition and parts of this system. .Function and disorders Spell, pronounce, and explain important common terms in this system.	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
20	1	Pronunciation rules	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	For short, semester, mid-year and final theory exams
21	1	Muscular system Definition and parts of this system. .Function and disorders Spell, pronounce, and explain important common terms in this system.	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
22	1	Tenses	Medical terminology	Textual, presentation, and video lectures (individual and	For short, semester, mid-year and final

				collaborative) stimulate critical thinking and active learning	theory exams
23	1	Nervous system Definition and parts of this system. .Function and disorders Spell, pronounce, and explain important common terms in this system.	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
24	1	Essay writing skills	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	For short, semester, mid-year and final theory exams
25	1	Genitourinary System Definition and parts of this system. .Function and disorders Spell, pronounce, and explain important common terms in this system.	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
26	1	Idioms and Phrases-II	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	For short, semester, mid-year and final theory exams
27	1	Endocrine System Definition and parts of this system. .Function and disorders	Medical terminology	Textual, presentation, and video lectures (individual and collaborative)	Short, semester, mid-year and final

		Spell, pronounce, and explain important common terms in this system.		stimulate critical thinking and active learning	theoretical exams
28	1	Writing assignment-I	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	For short, semester, mid-year and final theory exams
29	1	Special Senses (Taste, touch, smell, sight, and hearing) Definition and parts of each special sense. .Function and disorders Spell, pronounce, and explain important common terms in the current lectures.	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
30		Synonyms in English-II	Medical terminology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	For short, semester, mid-year and final theory exams

11- Course evaluation:

The subject is theoretical only, and the daily and semester exams have (10) marks distributed as follows:5) for the first semester and (5) For the second semester, including (2) for activity and attendance.
Mid-term exam (20)
Final exam (70) for theoretical only

12- Teaching and learning resources:

Course Description Form

1 - Course name:		
DEMOCRACY AND HUMAN RIGHTS		
2 - Course code:		
108HRAD		
3- Year:		
2026-2025		
4- Date of preparation of this description:		
2026-2025		
5- Available forms of attendance:		
In-person education in classrooms		
6- Total number of study hours and total number of units:		
Total number of study hours: 30hour and Total number of units:2Units		
7- Name of the course supervisor(s):		
Bareq-hussein@alameed.edu.iq	**:Email**	**M.M. Barq Hussein Aliwi**
8- Course objectives:		
1- Knowing the basic rights enjoyed by every human being regardless of gender, race and religion. 2-Development of principles and standardsYR AnoPolitical rightsnoWomenN 3-Promote a deep understanding of the concepts of justice, equality and dignity.noHumanity 4- KnowledgeHistory of human rightsnoHuman		
9- Teaching and learning strategies:		
Text lectures, Presentations, Discussion sessions, and Tests		

11- Course evaluation:	
The subject is theoretical only, and the daily and semester exams have (10) marks distributed as follows:5) for the first semester and (5) For the second semester, including (2) for activity and attendance. Mid-term exam (20) Final exam (70) for theoretical only	
12- Teaching and learning resources:	
The approved ministerial curriculum	**Required textbooks (methodology if any)**
Book of Human rights of the author Hamid Hanoun	**Main References (Sources)**
Book of Human rights of the author ALi Youssef Al-Shukri	**Recommended supporting books and references (scientific journals, reports, etc.)**

Course Description Form

1 - Course name:
ARABIC LANGUAGE
2 - Course code:
101AL
3- Year:
2026-2025
4- Date of preparation of this description:
2026-2025
5- Available forms of attendance:
In-person education in classrooms
6- Total number of study hours and total number of units:
Total number of study hours (theoretical for 30 weeks):30hour Total number of units:2Units
7- Name of the course supervisor(s):
rami.alasadi@alameed.edu.iq | | Asst. Prof. Rami Mohammed Jawad Abdullah
8- Course objectives:
• Improving grammar skills • Developing rhetoric skills • Understanding literary texts • Analyzing texts • Enhancing students' ability to acquire new vocabulary and understand word meanings • Enabling students to write short literary texts (articles, short stories) • Awareness of the history of the Arabic language • Enhancing written communication skills • Developing oral communication skills • Improving listening and comprehension skills • Enhancing administrative writing
9- Teaching and learning strategies:
Text lectures, Presentations, Discussion sessions, and Tests
10- Course structure:
This course is [illegible]

Course Description Form

1- Course name:	
DENTAL MATERIALS	
2 - Course code:	
202DM	
3- Year:	
2026-2025	
4- Date of preparation of this description:	
2026-2025	
5- Available forms of attendance:	
In-person education in classrooms, laboratories and clinics	
6- Total number of study hours and total number of units:	
Total number of study hours (theoretical + practical for 30 weeks):90hour Total number of units (theoretical and practical):4Units	
7- Name of the course supervisor(s):	
Name: M.M. Haider Ali Al-Nasrawi	Name: M.M. Ammar Imad
8- Course objectives:	
• Learn the propertiesPhysics and chemistryand mechanical materialsespeciallyIn dentistry • Learn the skills necessary to properly handle and adapt these materials.	
9- Teaching and learning strategies:	
Text lectures, Student introduction to various types of dental materials Providing the necessary information to deal with these materials. Providing instructions and following up on the process of using the materials, mixing them, and following up on the reactions they undergo.The materialTo reach the end of the interaction, Description of the tools used to prepare all materials Teaching the student how to use it and following up with him while working	

The week	Hours	Required learning outcomes	Name of unit/course or topic	Teaching method	Evaluation method
1	1	Introduction to dental materials Physical, mechanical, chemical and biological properties of dental materials	Dental materials	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams.
2	1	Gypsum products	Dental materials	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams.
3	1	Investment materials	Dental materials	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams.
4	1	Impression materials	Dental materials	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams.
5	1	Impression compound Zinc oxide -eugenol	Dental materials	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams.
6	1	Elastic impression material .	Dental materials	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, midterm, semester and final exams.

				critical thinking and active learning	
7	1	Elastomeric impression material	Dental materials	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams.
8	1	Filling materials	Dental materials	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams.
9	1	Composite filling .materials	Dental materials	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams.
10	1	Posterior filling materials	Dental materials	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams.
11	1	Properties of set amalgam	Dental materials	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams.
12	1	Metallic denture base materials	Dental materials	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams.

13	1	Alternative of gold alloys Metal ceramic alloys	Dental materials	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams.
14	1	Titanium and Titanium alloys	Dental materials	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams.
15	1	Non metallic denture base	Dental materials	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams.
16	1	Denture base resin Old materials used to constrict denture	Dental materials	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams.
17	1	Properties of heat cure Light activated resin	Dental materials	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams.
18	1	Waxes	Dental materials	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams.
19	1	Temporary filling	Dental materials	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, midterm, semester and final exams.

				critical thinking and active learning	
20	1	Cements	Dental materials	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams.
21	1	Tissue conditioner	Dental materials	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams.
22	1	Polishing and Abrasives	Dental materials	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams.

11- Course evaluation:

Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester has (4) for theory, (4) for practice, and (2) for activity and attendance, Mid-term exam (20)
Final exam (20) for practical and (40) for theoretical

12- Teaching and learning resources:

• **Phillips applied dental material** • **Restorative dental material** • **Dental material their selection and use**	**Required textbooks (if any)**
• **Phillips applied dental material** • **Restorative dental material**	**Main References (Sources)**
• **Introduction to Dental Materials**	**Recommended supporting books and references (scientific journals, reports, etc.)**

Course Description Form

1- Course name:		
ORAL HISTOLOGY		
2- Course code:		
203OH		
3- Year:		
2026-2025		
4- Date of preparation of this description:		
2026-2025		
5- Available forms of attendance:		
In-person education in classrooms, laboratories and clinics		
6- Total number of study hours and total number of units:		
Total number of study hours (60 + practical 60):120 Total number of units (theoretical 4 and practical 2):6		
7- Name of the course supervisor(s):		
dheyaaalhajjar@gmail.com	Email	Name: Diaa Rashid Ali
alhussainali1996@gmail.com	Email	Name: Hussein Ali Mohammed Hussein
8- Course objectives:		
To equip dental students with the knowledge and skills to distinguish oral tissues, use advanced staining techniques and understand histological examination. Understand and differentiate the different tissues of the mouth. . Proficiency in the use of staining techniques for diagnostic purposes. Gain skills in tissue cutting techniques.		
9- Teaching and learning strategies:		
Interactive lectures using PowerPoint, Students interact in scientific discussions and seminars, . Use LCD screens and digital resources such as microscopes. Educational videos to enhance learning.		

10- Course structure					
The week	**Hours**	**learning outcomes**	**Name of unit/course or topic**	**Teaching method**	**Evaluation method**
1	1	Oral Histology	Slide preparation: Sectioning,Staining Development of the teeth Morphogenesis and Histogenesis	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams
2	1	Oral Histology	Enamel: physical and chemical characters Amelogenesis, ameloblast life cycle Clinical consideration: Genetic and local factors	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams
3	1	Oral Histology	Dentine:Physical and chemical properties Dentinogenesis: Different kinds of dentine Odontoblast life cycle, innervations theories	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams
4	1	Oral Histology	Pulp: Formation and development Pulp stone, clinical consideration	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams
5	1	Oral Histology	Root formation Clinical consideration	Textual, presentation, and video lectures (individual and collaborative) stimulate critical	Daily, semester, mid-year and final exams

				thinking and active learning	
6	1	Oral Histology	Cementum: Physical and chemical characters Cementogenesis Clinical consideration	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams
7	1	Oral Histology	Periodontium Principles of fiber grouping	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams
8	1	Oral Histology	Oral mucosa	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams
9	1	Oral Histology	Non keratinized epithelium keratinized epithelium junctional epithelia	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams
10	1	Oral Histology	Salivary glands	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams
11	1	Oral Histology	Eruption Shedding	Textual, presentation, and video lectures (individual and	Daily, semester, mid-year and final exams

				collaborative) stimulate critical thinking and active learning	
12	1	Oral Histology	Maxillary sinus	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams
13	1	Oral Histology	Temperomandibular joint	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams
14	1	Oral Histology	Histochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams
15	1	Oral Histology	Identification of glycogen in oral tissue Uses of PAS and Alcian stain	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams

16	1	Embry ology	First week of development and ovulation Infertility and implantation	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams
17	1	Embry ology	Second week of development, Bilaminar germ layers Third weeks 0f embryo development	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams
18	1	Embry ology	Development of fetus and placenta Twin fetus	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams
19	1	Embry ology	Third to eight week: embryonic period Development of the head and neck	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams
20	1	Embry ology	Pharyngeal arch Congenital anomalies	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams
21	1	Embry ology	Pharyngeal pouch Pharyngeal cleft	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams
22	1	Embry ology	Development of the tongue Development of the palate	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams
23	1	Embry ology	Nasal chamber Congenital malformation	Textual, presentation, and video lectures (individual and collaborative)	Daily, semester, mid-

				stimulate critical thinking and active learning	year and final exams
24	1	Embry ology	Environmental factors of malformation Chromosomal and genetic factors	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams
25	1	Embry ology	Skeletal system Development Congenital malformation	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams
26	1	Embry ology	Muscular system Urinary system	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams
27	1	Embry ology	Cardiovascular system: Heart Blood vessels formation	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams
28	1	Embry ology	Digestive system: Pharyngeal gut Foregut	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams
29	1	Embry ology	Coelomic cavity and mesenteries	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams
30	1	Embry ology	Nervous system Development Spinal cord Congenital malformation	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Daily, semester, mid-year and final exams

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester has (4) for theory, (4) for practice, and (2) for activity and weekly tests. Mid-term exam (20) Final exam (20) for practical and (40) for theoretical	
12- Teaching and learning resources:	
	Required textbooks (methodology if any)
Ten cates oral histology (Nanci, A. 2017) **Orbans oral histology and embryology (Kumar.2015)** **Oral anatomy, histology and embryology (Berkovittiz.2018)**	**Main References (Sources)**

Course Description Form

1- Course name:	
ANATOMY-2	
2 - Course code:	
201AN	
3- Year:	
2026-2025	
4- Date of preparation of this description:	
2026-2025	
5- Available forms of attendance:	
In-person education in classrooms, laboratories and clinics	
6- Total number of study hours and total number of units:	
Total number of study hours (theoretical + practical for 30 weeks): 90 Total number of units (theoretical and practical): 4	
7- Name of the course supervisor(s):	
Dr.muntather@gmail.com	Name: Asst. Prof. Muntadhar Mohsen Abusna
Nawres_bahaa@yahoo.com	Name: Asst. Prof. Dr. Nouris Baha
8- Course objectives:	
Students' knowledge of the anatomy of the head and neck region, taking into account the clinical and pathological aspects of each anatomical region. Explain the importance of anatomy in relation to surgical and dental applications.	
9- Teaching and learning strategies:	
Text lectures, Presentations, Teaching students the anatomy of the human head and neck using visual aids such as pictures and anatomical models, Discussion sessions, Training on the manikins inside the laboratories, and quizzes	

The week	Hours	Required learning outcomes	Name of unit/course or topic	Teaching method	Evaluation method
1	2	Scalp	Human anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
2	2	The orbital region	Human anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
3	1	The Nasal region	Human anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
4	1	Mandibular nerve	Human anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
5	2	Face	Human anatomy	Textual, presentation, and video lectures (individual and	Short, semester, mid-term and final exams

				collaborative) stimulate critical thinking and active learning	
6	2	Oral cavity	Human anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
7	1	Tongue	Human anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
8	1	Temporal region	Human anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
9	1	Parotid gland part 1	Human anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
10	1	Parotid gland part 2	Human anatomy	Textual, presentation, and video lectures (individual and collaborative)	Short, semester, mid-term and final exams

				stimulate critical thinking and active learning	
11	1	The Pterygopalatine fossa	Human anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
12	2	Temporomandibular joint	Human anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
13	2	The neck	Human anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
14	2	Triangles of the neck	Human anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
15	1	Submandibular region	Human anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical	Short, semester, mid-term and final exams

				thinking and active learning	
16	2	Root of the neck	Human anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
17	2	Arteries of the neck	Human anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
18	1	Brain	Human anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
19	1	Cranial nerves	Human anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
20	1	Pharynx	Human anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical	Short, semester, mid-term and final exams

				thinking and active learning	
21	1	Larynx	Human anatomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, and from them there will be for each semester **(5) for the theoretical, (4) for the practical, and (1) for activity and attendance** **Mid-term exam (20)** **Final exam (20) for practical and (40) for theoretical**	
12- Teaching and learning resources:	
Netter Atlas of head and neck anatomy	**Required textbooks (methodology if any)**
Snell's Clinical Anatomy by Regions 10th Edition	**Main References (Sources)**
Grant's Atlas of Anatomy, 12th Edition	**Recommended supporting books and references (scientific journals, reports, etc.)**
	Electronic references, websites

Course Description Form

1- Course name:		
MEDICAL PHYSIOLOGY		
2- Course code:		
205MP		
3- Year:		
2026-2025		
4- Date of preparation of this description:		
2026-2025		
5- Available forms of attendance:		
In-person education in classrooms, laboratories and clinics		
6- Total number of study hours and total number of units:		
Total number of study hours (theoretical + practical for 30 weeks): 120 hours Total number of units (theoretical and practical): 6 units		
7- Name of the course supervisor(s):		
basimzwain@alameed.edu.iq	:Email	Name: Prof. Dr. Basem Mutab Hadi
	:Email	Name: M.M. Mohammed Ali Nazim
8- Course objectives:		
* Knowledge ofJobsNatural for differentMembersBody * Realizing the relationship between form and function * Knowing the consequences of dysfunction and its relationship to various medical conditions.		Subject objectives
9- Teaching and learning strategies:		
Feedback from the previous lecture, Text lectures, Presentations, Daily tests, Video Links, and Discussion sessions		

10- Course structure:					
The week	**Hours**	**Required learning outcomes**	**Name of unit/course or topic**	**Teaching method**	**Evaluation method**
1	2	Cell physiology	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
2	2	Nerve and muscle Microanatomy of nerves	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
3	2	Nerves(types of (nerves	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
4	2	Nerve (Types of (muscles	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
5	2	Nervous System	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
6	2	Nervous System	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, semester, mid-term and final exams

				critical thinking and active learning	
7	2	Nervous System	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
8	2	Red blood cells	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
9	2	Blood groups	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
10	2	Blood coagulation	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
11	2	Cardiovascular system	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
12	2	Cardiovascular system	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

13	2	Cardiovascular system	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
14	2	Cardiovascular system	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
15	2	RESPIRATION SYSTEM	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
16	2	RESPIRATION SYSTEM	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
17	2	RESPIRATION SYSTEM	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
18	2	RESPIRATION SYSTEM	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
19	2	RESPIRATION SYSTEM	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, semester, mid-term and final exams

				critical thinking and active learning	
20	2	RENAL SYSTEM AND BODY FLUIDS	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
21	2	RENAL SYSTEM AND BODY FLUIDS	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
22	2	RENAL SYSTEM AND BODY FLUIDS	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
23	2	ENDOCRINE SYSTEM	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
24	2	ENDOCRINE SYSTEM	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
25	2	ENDOCRINE SYSTEM	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

26	2	SPECIAL :SENSATION Vision & Hearing	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
27	2	SPECIAL :SENSATION Vision & Hearing	Physiology		
28	2	ORAL CAVITY	Physiology		
29	2	GASTROINTESTI ONAL TRACT	Physiology		
30	2	GASTROINTESTI ONAL TRACT	Physiology		

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester has (4) for theory, (4) for practice, and (2) for activity and attendance. **Mid-term exam (20)** **Final exam (20) for practical and (40) for theoretical**	
12- Teaching and learning resources:	
Medical Physiology (by Guyton and Hall)	**Required textbooks (methodology if any)**
Essentials of Physiology for Dental Students	**Main References (Sources)**
Basim Zwain's Medical Physiology	**Recommended supporting books and references (scientific journals, reports, etc.)**
/https://www.drnajeeblectures.com	**Electronic references, websites**

Course Description Form

1- Course name:
BIOCHEMISTRY
2- Course code:
206BC
3- Year:
2026-2025
4- Date of preparation of this description:
2026-2025
5- Available forms of attendance:
In-person education in classrooms, laboratories and clinics
6- Total number of study hours and total number of units:
Total number of study hours (theoretical + practical for 30 weeks):2Theory hour +2 Practical watch120hour per year) Total number of units (theoretical and practical):6Units
7- Name of the course supervisor(s):

Ahmed.twayej@alameed.edu.iq	:Email	Name: Asst. Prof. Dr. Ahmed Jassim Mohammed

8- Course objectives:
. To learn the basic concepts of biochemistry. .Teaching the rules and foundations of biochemical reactions that occur in the human body in health and disease, with a focus on dentistry. Identifying life molecules, studying their chemical structures and their effective role within the human body. .Teaching the student how to identify chemical compounds and providing him with sufficient information that enables him to understand the vital activities taking place in the human body at the molecular level, and applying them through practical lessons and explaining the methods used in diagnosing some diseases.

Study the comprehensive metabolic processes in the human body, draw the main features of the metabolic map, and know the important roles of the participating chemicals.

9- Teaching and learning strategies:

Lectures using PowerPoint and interactive whiteboard.
Show educational videos.
.Guide students to some useful research sites.
Conducting experiments included in the curriculum.
Applying clinical trials in line with clinical concepts in the theoretical aspect.
Follow up on the students' way of thinking and break their fear barrier through scientific discussions and seminars conducted by the students, as well as encouraging them to engage in scientific activities.Forming groups of studentsTo do that.
Field observations of diagnostic and therapeutic medical devices and how they work.
.Use references and periodicals and use modern learning methods such as:The Internet
.DiscussionsClassroom In addition to researchAnd thinking
.InitiativesScientific and contribute to the scientific additions to the course

The week	Hours	Required learning outcomes	Name of unit/course or topic	Teaching method	Evaluation method
1	2	:Enzymes Isoenzymes	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
2	2	Classification	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
3	2	Kinetic properties of enzyme	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
4	2	Enzyme inhibition	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
5	2	Model of enzyme – substrate binding	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

6	2	Plasma enzymes in diagnosis	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
7	2	Lipids	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
8	2	:Lipid metabolism	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
9	2	Triacylglycerol synthesis	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
10	2	FA degradation	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
11	2	Carbohydrate metabolism	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical	Short, semester, mid-term and final exams

				thinking and active learning	
12	2	Glycogen metabolism (synthesis & degradation)	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
13	2	Glycolysis and its Regulation	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
14	2	Gluconeogenesis	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
15	2	Metabolism of other important sugars	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
16	2	Citric acid cycle and regulation	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
17	2	Citric acid cycle and regulation	Biochemistry	Textual, presentation, and video lectures (individual and	Short, semester,

				collaborative) stimulate critical thinking and active learning	mid-term and final exams
18	2	Electron transport system	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
19	2	Vitamins	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
20	2	The major groups (fat & water-soluble vitamins)	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
21	2	sources,chemistry,metaboli ,sm	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
22	2	daily requirements, hypervitaminosis	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

23	2	vitamin A,D,E,K,C &B, niacin	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
24	2	Protein and amino acid metabolism	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
25	2	Dynamic balance and nitrogen balance	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
26	2	Essential and non-essential A.As	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
27	2	Nitrogen catabolism of A.As	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
28	2	Formation of NH3 and urea	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical	Short, semester, mid-term and final exams

				thinking and active learning	
29	2	Metabolism and fate ofNH3 in the body	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
30	2	Formation of urea (urea cycle)	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
31	2	Glutamin formation	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
32	2	Amination of alpha-ketoacids	Biochemistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

11- Course evaluation:	
ExamsOral-ExamsSurpriseShort - Scientific research -Exams Editorial - ActivitiesExtracurricularDialogues and discussionsand -Follow upInvestigation and extentinterest - Daily exams andbezelCommitment Distribution of grades (10) for the first semester, equally divided between practical and theoretical, and (10) for the second semester, equally divided between practical and theoretical. Mid-year exam (20) theoretical Final exam (20) for practical and (40) for theoretical	
12- Teaching and learning resources	
There is no required textbook within the course.	Required textbooks (methodology if any)
-Biochemistry for Dental Students, Shreya Nigoskar 2007. -Lippincott's Illustrated Reviews: Biochemistry Fifth Edition.	Main References (Sources)
Elsevier Journals in Clinical Chemistry	Recommended supporting books and references (scientific journals, reports, etc.)
PubMed, Science Direct, Google Scholar, Web of Science	Electronic references, websites

Course Description Form

1- Course name:		
COMPUTER SCINECE		
2- Course code:		
902CS		
3- Year:		
2026-2025		
4- Date of preparation of this description:		
2026-2025		
5- Available forms of attendance:		
In-person education in classrooms, laboratories and clinics		
6- Total number of study hours and total number of units:		
Total number of study hours (theoretical + practical for 30 weeks):90hour **Total number of units (theoretical and practical): 4 units**		
7- Name of the course supervisor(s):		
fuqdan@alameed.edu.iq	**:Email**	**Name: M. Fakoud Abdel Fadhel Katea**
8- Course objectives:		
Its objectives revolve around knowing the technical matters related to computers and the applications that the student needs in his academic and practical life, in addition to dealing with some blended learning platforms and how to manage them.		
9- Teaching and learning strategies:		
5. Quick review of previous lectures **6. Text lectures** **7. Presentations** **8. Daily testsAnd the quarterly**		

The week	Hours	Learning outcomes	Name of unit/course or topic	Teaching method	Evaluation method
1	1	Security and networking	Computer Science	Computer Labs	Practical exams
2	1	Security and networking	Computer Science	Computer Labs	Practical exams
3	1	Security and networking	Computer Science	Computer Labs	Practical exams
4	1	e- Commerce	Computer Science	Computer Labs	Practical exams
5	1	e- Commerce	Computer Science	Computer Labs	Practical exams
6	1	e- Commerce	Computer Science	Computer Labs	Practical exams
7	1	Computer troubleshooting	Computer Science	Computer Labs	Practical exams
8	1	Computer troubleshooting	Computer Science	Computer Labs	Practical exams
9	1	Computer troubleshooting	Computer Science	Computer Labs	Practical exams
10	1	Computer troubleshooting	Computer Science	Computer Labs	Practical exams

11	1	introduction to AI	Computer Science	Computer Labs	Practical exams
12	1	AI in our daily lives	Computer Science	Computer Labs	Practical exams
13	1	AI in our daily lives	Computer Science	Computer Labs	Practical exams
14	1	AI in our daily lives	Computer Science	Computer Labs	Practical exams
15	1	Applications of AI	Computer Science	Computer Labs	Practical exams
16	1	Applications of AI	Computer Science	Computer Labs	Practical exams
17	1	Applications of AI	Computer Science	Computer Labs	Practical exams
18	1	Applications of AI	Computer Science	Computer Labs	Practical exams
19	1	AI and Society	Computer Science	Computer Labs	Practical exams
20	1	AI and Society	Computer Science	Computer Labs	Practical exams
21	1	AI and Society	Computer Science	Computer Labs	Practical exams
22	1	AI and Society	Computer Science	Computer Labs	Practical exams
23	1	Ethical challenges in AI	Computer Science	Computer Labs	Practical exams
24	1	Ethical challenges in AI	Computer Science	Computer Labs	Practical exams
25	1	Ethical challenges in AI	Computer Science	Computer Labs	Practical exams
26	1	Ethical challenges in AI	Computer Science	Computer Labs	Practical exams

27	1	The future of AI	Computer Science	Computer Labs	Practical exams
28	1	The future of AI	Computer Science	Computer Labs	Practical exams
29	1	The future of AI	Computer Science	Computer Labs	Practical exams
30	1	The future of AI	Computer Science	Computer Labs	Practical exams

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester will have (4) for theory, (4) for practice, and (2) for activity. **Mid-term exam (20)** **Final exam (20) for practical and (40) for theoretical**	
12- Teaching and learning resources	
Microsoft tutorial book	**Main References (Sources)**
/https://www.w3schools.com	**Electronic references, websites**

Course Description Form

1- Course name:
GENERAL HISTOLOGY
2- Course code:
204GH
3- Year:
2026-2025
4- Date of preparation of this description:
2026-2025
5- Available forms of attendance:
In-person education in classrooms, laboratories and clinics
6- Total number of study hours and total number of units:
Total number of study hours (60 + practical)60): 120 Total number of units (theoretical 4 and practical 2): 6
7- Name of the course supervisor(s):
ali.bedair@gmail.com | Name: Ali Abdel Khaleq Hassan Badir
8- Course objectives:
Preparing the student practically in terms of applying the acquired knowledge. . Thinking about solving problems. Developing the student's ability to deal with multiple learning methods. Students practical and theoretical applications of various general body tissues. And all body parts Learn medical histology terms To enable the student to possess sufficient medical knowledge in general histology.
9- Teaching and learning strategies:
Feedback from the previous lecture, Text lectures, Presentations, Daily tests, Video Links, and Discussion sessions

The week	Hours	Required learning outcomes	Name of unit/course or topic	Teaching method	Evaluation method
1	2	Introduction to general histology	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
2	2	Resp.system:Conduction portion	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
3	2	Resp. system: respiratory portion	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
4	2	Urinary system: Nephrons	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
5	2	Urinary system:Ureter Bladder&	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
6	2	Skin: Epidermis	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
7	2	Skin: Dermis	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, semester, mid-term and final exams

				critical thinking and active learning	
8	2	Skin glands, Hair, Nail	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
9	2	Hemopoeisis, Bone marrow	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
10	2	Hemopoiesis: Blood cells	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
11	2	Circulatory System	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
12	2	Circulatory System	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
13	2	Lymphoid System	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
14	2	Lymphoid system	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
15	2	Nervous System	General histology	Textual, presentation, and video lectures (individual and	Short, semester,

				collaborative) stimulate critical thinking and active learning	mid-term and final exams
16	2	Nervous System	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
17	2	Nervous system	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
18	2	Endocrine system	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
19	2	Endocrine system	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
20	2	Endocrine system	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
21	2	Digestive system	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
22	2	Digestive system	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

23	2	Digestive system	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
24	2	Digestive system	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
25	2	Male Reproductive System	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
26	2	Male Reproductive System	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
27	2	Female Reprod. System	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
28	2	Female Reprod. System	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
29	2	Sense Organ ((Eye	General histology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
30	2	Sense Organ ((Ear	General histology		

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester has (4) for theory, (4) for practice, and (2) for activity and attendance. Mid-term exam (20) Final exam (20) for practical and (40) for theoretical	
12- Teaching and learning resources:	
	Required textbooks (methodology if any)
Junqueira's Basic Histology: TEXT and ATLAS	Main References (Sources)
	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites

Course Description Form

1- Course name:
BAATH PARTY CRIMES
2- Course code:
208BC
3- Year:
2026-2025
4- Date of preparation of this description:
2026-2025
5- Available forms of attendance:
In-person education in classrooms, laboratories and clinics
6- Total number of study hours and total number of units:
Total number of study hours: 30 hours **Total number of units:2Units**
7- Name of the course supervisor(s):

jasmmhsn654@gmail.com	**:Email**	**Dr. Jassim Mohsen Al Sultani**

8- Course objectives:
1- Knowing the concept of crime, its elements, forms of its commission and types, as well as the methods of proving the crime. 2- Presentation and discussion of the basis and nature of the Special Criminal Court for the trial of symbols of the former regime in 2005. 3- Description and analysis of the decisions issued by the Special Criminal Court in the trial of symbols of the former regime. 4- Explaining the psychological crimes committed by the Baath regime in Iraq, the mechanisms of their commission, and their effects. 5- Display and discuss images of social crimes committed by the Baath regime in Iraq. 6- Statement of the position of the Baath regime in Iraq on religion.

7- Highlighting the militarization of society during the Baath regime in Iraq and the violations of Iraqi laws.
8- Defining the crimes of power and human rights violations during the Baath era in Iraq.
9- Presentation and discussion of environmental crimes committed by the Baath regime in Iraq.
10- Highlighting the destruction of cities and villages and the scorched earth policy followed by the Baath regime.
11- Definition of the crime of draining the Iraqi marshes by the Baath regime
Defining the details of the mass graves crime committed by the Baath regime in Iraq.

9- Teaching and learning strategies:

Text lectures
Presentations
Discussion sessions
Tests

11- Course evaluation:

The subject is theoretical only, and the daily and semester exams have (10) marks distributed as follows:5) for the first semester and (5) For the second semester, including (2) for activity and attendance.
Mid-term exam (20)
Final exam (70) for theoretical

12- Teaching and learning resources:

Course Description Form

1- Course name:		
OPERVATIVE DENTISTRY-3		
2- Course code:		
301OD		
3- Year:		
2026-2025		
4- Date of preparation of this description:		
2026-2025		
5- Available forms of attendance:		
In-person education in classrooms, laboratories and clinics		
6- Total number of study hours and total number of units:		
Total number of study hours: 90 Total number of units: 4		
7- Name of the course supervisor(s):		
Alaa Mohammed Naeem	:Email	
8- Course objectives:		
Dental students qualificationFor the next stagesWith strong knowledge and skills . Understand and distinguish different dental treatment conditions. . Proficiency in the use of various devices and materials for treatment purposes. .Acquire various skills .		
9- Teaching and learning strategies:		
Interactive lectures using the programPowerPoint Students interacted in scientific discussions and seminars. Using various industrially advanced devices and modern materials from advanced international companies and educational videos to enhance learning.		

The week	Hours	Theoretical content	Name of unit/course or topic	Teaching method	Evaluation method
1	1	Definition of operative dentistry (part 1)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
2	1	Definition of operative dentistry. (part 2)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
3	1	Instruments and general instrumentation of cavity preparation	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
4	1	Instruments and general instrumentation of cavity preparation	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
5	1	Sterilization of operative instruments (part 1)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
6	1	Sterilization of operative instruments (part 2)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

7	1	Amalgam cavity preparations for class I (part 1)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
8	1	Amalgam cavity preparations for class I (part 2)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
9	1	Amalgam cavity preparations for class II (part 1)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
10	1	Amalgam cavity preparations for class II (part 2)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
11	1	Amalgam cavity preparations for class II (MOD) (part 1)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
12	1	Amalgam cavity preparations for class II (MOD) (part 2)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
13	1	Amalgam cavity preparations for class III and class V	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, semester, mid-term and final exams

		(part 1)		critical thinking and active learning	
14	1	Amalgam cavity preparations for class III and class V (part 2)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
15	1	Cavity liners and cement bases (part 1)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
16	1	Cavity liners and cement bases (part 1)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
17	1	Cavity liners and cement bases (part 2)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
18	1	Cavity liners and cement bases (part 2)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
19	1	Dental amalgam alloy (material) (part 1)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

20	1	Dental amalgam alloy (material) (part 2)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
21	1	Complex amalgam restoration (part 1)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
22	1	Complex amalgam restoration (part 2)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
23	1	Failures in amalgam restorations (part 1)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
24	1	Failures in amalgam restorations (part 2)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
25	1	Tooth colored restorations (composite) (part 1)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

26	1	Tooth colored restorations (composite) (part 2)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
27	1	Cavity preparation for anterior restorations (part 1)	Operative Dentistry		
28	1	Cavity preparation for anterior restorations (part 2)	Operative Dentistry		
29	1	Resin material	Operative Dentistry		
30	1	Resin material	Operative Dentistry		

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester has (4) for theoretical, (5) for practical, and (1) for activity and attendance. Mid-year exam (15) theoretical and (5) practical Final exam (20) for practical and (40) for theoretical	
12- Teaching and learning resources:	
	Required textbooks (methodology if any)
-Summitt's Fundamentals of Operative Dentistry	**Main References (Sources)**
-Summitt's Fundamentals of Operative Dentistry	**Recommended supporting books and references (scientific journals, reports, etc.)**
google scholar	**Electronic references, websites**

Course Description Form

:Course Name -1		
CROWN AND BRIDGE		
:Course Code -2		
310CB		
Semester/Year -3		
2026/2025		
:Description Preparation Date -4		
2025/ September		
:Available Attendance Forms -5		
Direct in-person education inside classrooms, laboratories, and clinics.		
6- Number of Credit Hours (Total) / Number of Units (Total)		
Total (theory and practical) 332 for 30 weeks Total (theory and practical) 8 units		
7- Course administrator's name (mention all, if more than one name)		
Hayder-Radeef@alameed.edu.iq	Email	A.L Hayder Radhi Radeef
8- Course Objectives		
To equip dental students with strong knowledge and skills to diagnose various dental treatment conditions using advanced techniques, equipment, and materials, and to understand the differences in treatment plans for each case. Objectives: Understand and distinguish between different dental treatment conditions. Master the use of various equipment and materials for treatment purposes. .Acquire diverse skills		
Teaching and Learning Strategies -9		
.Interactive lectures using PowerPoint Students engage in scientific discussions and seminars. Using a variety of advanced equipment and modern materials from leading international companies .Educational videos enhance learning		

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	1	Definitions	Crown and bridge	Quizzes, semesters, mid, and final examinations.	Text, presentation, and video lectures, Co-lectures, critical thinking and active learning.
2	1	Biomechanical principles of tooth preparation	Crown and bridge	Quizzes, semesters, mid, and final examinations.	Text, presentation, and video lectures, Co-lectures, critical thinking and active learning.
3	1	Full metal crown	Crown and bridge	Quizzes, semesters, mid, and final examinations.	Text, presentation, and video lectures, Co-lectures, critical thinking and active learning.
4	1	Porcelain fused to metal crown	Crown and bridge	Quizzes, semesters, mid, and final examinations.	Text, presentation, and video lectures, Co-lectures, critical thinking and active learning.
5	1	Complete ceramic crown (Porcelain Jacket Crown)	Crown and bridge	Quizzes, semesters, mid, and final examinations.	Text, presentation, and video lectures, Co-lectures, critical thinking and active learning.
6	1	Partial veneer crown (three-quarter crown)	Crown and bridge	Quizzes, semesters, mid, and final examinations.	Text, presentation, and video lectures, Co-lectures, critical thinking and active learning.

7	1	Post crown	Crown and bridge	Quizzes, semesters, mid, and final examinations.	Text, presentation, and video lectures, Co-lectures, critical thinking and active learning.
8	1	Impression for crown and bridge work	Crown and bridge	Quizzes, semesters, mid, and final examinations.	Text, presentation, and video lectures, Co-lectures, critical thinking and active learning.
9	1	Provisional restoration	Crown and bridge	Quizzes, semesters, mid, and final examinations.	Text, presentation, and video lectures, Co-lectures, critical thinking and active learning.
10	1	Working cast and dies	Crown and bridge	Quizzes, semesters, mid, and final examinations.	Text, presentation, and video lectures, Co-lectures, critical thinking and active learning.
11	1	Waxing, investing, casting	Crown and bridge	Quizzes, semesters, mid, and final examinations.	Text, presentation, and video lectures, Co-lectures, critical thinking and active learning.
12	1	Finishing of the casting and clinical try-in	Crown and bridge	Quizzes, semesters, mid, and final examinations.	Text, presentation, and video lectures, Co-lectures, critical thinking and active learning.
13	1	Cementation	Crown and bridge	Quizzes, semesters, mid, and final examinations.	Text, presentation, and video lectures, Co-lectures, critical thinking and active learning.

14	1	CAD /CAM Technology for crown construction	Crown and bridge	Quizzes, semesters, mid, and final examinations.	Text, presentation, and video lectures, Co-lectures, critical thinking and active learning.
15	1	CAD /CAM Technology for crown construction	Crown and bridge	Quizzes, semesters, mid, and final examinations.	Text, presentation, and video lectures, Co-lectures, critical thinking and active learning.

Course Evaluation -11	
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester has (4) for theoretical, (5) for practical, and (1) for activity and attendance. **Mid-year exam (15) for theoretical and (5) for practical.** **Final exam (20) for practical and (40) for theoretical.**	
Learning and Teaching Resources -12	
Required textbooks (curricular books, if any)	**1-Contemporary of fixed prosthodontic** **2-Fundamentals of Fixed Prosthodontics**
Main references (sources)	**1-Fundamentals of Fixed Prosthodontics** **2-Contemporary fixed prosthodontic**
Recommended supporting books and references (scientific journals, reports, etc.)	**Color atlas of fixed prosthodontic**
Electronic references, websites	**google scholar**

Course Description Form

1- Course name:		
PROSTHODONTICS-3		
2- Course code:		
305PR		
3- Year:		
2026-2025		
4- Date of preparation of this description:		
2026-2025		
5- Available forms of attendance:		
In-person education in classrooms, laboratories and clinics		
6- Total number of study hours and total number of units:		
Total number of study hours (theoretical + practical for 30 weeks): 90 hours **Total number of units (theoretical and practical): 4 units**		
7- Name of the course supervisor(s):		
Husseinalsharbaty1986@gmail.com	**:Email**	**Name: Dr. Mohammed Hussein Al-Sharbaty**
8- Course objectives:		
Teaching the basic principles of making acrylic and chrome cobalt partial dentures.		**Subject objectives**
9- Teaching and learning strategies:		
Text lectures **Presentations** **Video lecture links** **Educational laboratory steps** **Tests**		

The week	Hours	Learning outcomes	Name of unit/course or topic	Teaching method	Evaluation method
1	1	Introduction to Removable Partial Dentures	Prosthodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
2	1	Terminology & Definitions	Prosthodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
3	1	Classification of Partially Edentulous Arches	Prosthodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
4	1	Surveying	Prosthodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams

5	1	Component parts of Removable Partial Dentures	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
6	1	Maxillary Major Connector	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
7	1	Mandibular Major Connector	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
8	1	Minor Connector	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
9	1	Rest and rest seat	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams

10	1	,Direct Retainers	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
11	1	Extra Coronal Direct Retainers	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
12	1	Extra Coronal Direct Retainers (Continue)	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
13	1	Internal Attachments	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
14	1	Indirect retainers	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams

15	1	Indirect retainers (Continue)	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
16	1	Block out & Relief	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
17	1	Duplication & Refractory Cast Construction	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
18	1	Wax Pattern	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
19	1	Casting, & Finishing	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams

20	1	Denture Bases in Removable Partial Dentures	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
21	1	Stress Breaker	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
22	1	Biomechanics of Removable Partial Dentures	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
23	1	Biomechanics of Removable Partial Dentures (Continue)	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
24	1	Principles of Removable Partial Denture Design	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams

25	1	Phases of Removable Partial Denture Treatment	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
26	1	Acrylic Removable Partial Dentures	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
27	1	Acrylic Removable Partial Dentures (Continue)	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
28	1	Jaw Relation in Removable Partial Dentures	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
29	1	Repairs and Additions to Removable Partial Dentures	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams

30	1	Special Impression Techniques for Removable Partial Denture (altered cast techniques…etc.)	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
The practical side					
The week	Hours		Prostho dontics	Teaching method	Evaluation method
1	4	Introduction to Removable Partial Dentures	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
2	4	Kennedy Classification	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
3	4	Cast Trimming	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
4	4	Surveying	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
5	4	Surveying	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
6	4	Wire Bending	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
7	4	Wire Bending	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
8	4	Acrylic Removable Partial Denture Design	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final

9	4	Acrylic Removable Partial Denture Laboratory Procedures	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
10	4	Acrylic Removable Partial Denture Laboratory Procedures	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
11	4	Flexible Partial Denture Design	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
12	4	Flexible Partial Denture Laboratory Procedures	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
13	4	Flexible Partial Denture Laboratory Procedures	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
14	4	Flexible Partial Denture Laboratory Procedures	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
15	4	Principles of 2D Design for the Removable Partial Dentures	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
16	4	Principles of 2D Design for the Removable Partial Dentures	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
17	4	Principles of Drawing 2D Design for the Removable Partial Dentures	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
18	4	2D Design for Mandibular & Maxillary Arches	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
19	4	2D Design for Mandibular & Maxillary Arches	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final

20	4	2D Design for Mandibular & Maxillary Arches	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
21	4	Drawing Removable Partial Denture 3D Design & CAD/CAM	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
22	4	Drawing Removable Partial Denture 3D Design & CAD/CAM	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
23	4	Types of Rests	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
24	4	Rest Seat Preparation	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
25	4	Block Out and Relief	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
26	4	Block Out and Relief	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
27	4	Duplication Of the Master Cast	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
28	4	Wax Pattern for the Removable Partial Denture Framework	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
29	4	Wax Pattern for the Removable Partial Denture Framework	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final
30	4	Framework Fabrication	Prostho dontics	Practical laboratories	Practical and oral exams, semester, mid-year and final

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester has (4) for theory, (4) for practice, and (2) for activity and attendance. Mid-term exam (20) Final exam (20) for practical and (40) for theoretical	
12- Teaching and learning resources:	
• Dental laboratory technology for removable prosthodontics	Required textbooks (methodology if any)
• Carr, AB Brown, DT (2011) McCracken's Removable Partial Prosthodontics.12th ed. St. Louis, .Missouri: Mosby, Inc., Elsevier Inc • Phoenix, DR Cagna, RD Charles, FD (2008) Stewart's Clinical Removable Partial Prosthodontics. .4th ed. Quintessence Publishing Co, Inc	Main References (Sources)
• GPT9 2017. The Glossary of Prosthodontic Terms. J Prosth. Dent • Zoidis P, Papathanasiou I, Polyzois G. The use of a modified poly-etherether-ketone (PEEK) as an11 alternative framework material for removable dental prostheses. A clinical report. J Prosthodont .4-25:580;2016	Recommended supporting books and references (scientific journals, reports, etc.)
PubMed, Cochrane library, Google scholar	Electronic references, websites

Course Description Form

1- Course name:
DENTAL RADIOLOGY
2- Course code:
303DR
3- Year:
2026-2025
4- Date of preparation of this description:
2026-2025
5- Available forms of attendance:
In-person education in classrooms, laboratories and clinics
6- Total number of study hours and total number of units:
Total number of study hours (theoretical + practical for 30 weeks): 90 **Total number of units (theoretical and practical): 4**
7- Name of the course supervisor(s):

Zahra3d88@gmail.com	**:Email**	**Name: Zahraa Raad Ali**

8- Course objectives:
How to work on X-ray machines, how to take and read all types of X-rays
9- Teaching and learning strategies:
Text lectures **Presentations** **Daily tests** **Video Links**

Week	Hours	Required learning outcomes	Name of unit/course or topic	Teaching method	Evaluation method
1	1	Fundamentals of radiology	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars
1	2	Production& interaction of X-ray	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars
1	3	X-ray film & processing cycle	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars
1	4	Factors relating to the production of radiograph	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars
1	5	Ideal radiographic projections artifacts &	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars

1	6	Hazards of X-radiation & its biological effects	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars
1	7	Protection from X-radiation in the clinic of radiography	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars
1	8	Intraoral techniques 1	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars
1	9	Intraoral techniques 2	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars
1	10	Darkroom	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars
1	11	Patient's management	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical	Short, midterm, semester and final exams. .Seminars

				thinking and active learning	
1	12	Localization techniques	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars
1	13	Radiographic survey	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars
1	14	Viewing techniques conventiona) (l & digital	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars
1	15	Dental panoramic radiography (principals)	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars
1	16	Dental panoramic radiography (anatomy)	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars
1	17	Introduction to normal	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and	Short, midterm, semester and final exams. .Seminars

		radiographic anatomy		collaborative) stimulate critical thinking and active learning	
1	18	Radiographic appearance of normal intraoral landmarks	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars
1	19	Radiographic appearance of common diseases of teeth & supporting structure	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars
1	20	Extra oral radiography	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars
1	21	Digital imaging system	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars
1	22	Computed Tomography theory &) (physics	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars

1	23	Computed Tomography (clinical application in maxillofacial region).	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars
1	24	CBCT (theory & advantages over conventional CT).	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars
1	25	CBCT (clinical applications in maxillofacial region).	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars
1	26	TMJ Radiography normal &) (pathological	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars
1	27	TMJ Imaging	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars
1	28	MRI(theory (physics &	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical	Short, midterm, semester and final exams. .Seminars

				thinking and active learning	
1	29	MRI clinical) (applications	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars
1	30	Radiography & Implantology	Oral and maxillofacial x-rays	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, midterm, semester and final exams. .Seminars

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester has (4) for theory, (4) for practice, and (2) for activity and attendance. **Mid-term exam (20)** **Final exam (20) for practical and (40) for theoretical**	
12- Teaching and learning resources:	
Principles and interpretation of Radiology	**Required textbooks (methodology if any)**
Interpretation of oral radiology	**Main References (Sources)**
	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites

Course Description Form

1- Course name:		
MICROBIOLOGY		
2- Course code:		
306MB		
3- Year:		
2026-2025		
4- Date of preparation of this description:		
2026-2025		
5- Available forms of attendance:		
In-person education in classrooms, laboratories and clinics		
6- Total number of study hours and total number of units:		
Total number of hours: 120 Number of units: 6		
7- Name of the course supervisor(s):		
dr.rabeemajeed@gmail.com	:Email	Name: Dr. Rabie Abdel-Ilah Majeed
8- Course objectives:		
Teaching students about the microorganisms that infect human Especially oral microbiology whether pathogenic bacteria: viruses: parasites: fungi and Immunity. And knowledge of antibiotics.		
Teaching and learning strategies 9		
Text lectures Presentations Video lecture links Discussion sessions Laboratory experiments Quizzes		

The week	Hours	Theoretical contents	Name of unit/course or topic	Teaching method	Evaluation method
1	2	Morphology and Ultra-structures of M.Os: Eukaryotic Vs Prokaryotic :cells	bacteriology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
2	2	Growth curve (diagram) phases	bacteriology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
3	2	Physiology and metabolism of MO	bacteriology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
4	2	Sterilization	bacteriology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
5	2	Antibiotic and Chemotherapy	bacteriology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

6	2	Immunology(pa (rt1	bacterio logy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
7	2	Immunology(pa (rt2	bacterio logy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
8	2	Immunology(pa (rt3	bacterio logy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
9	2	Immunology(pa (rt4	bacterio logy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
10	2	The streptococci	bacterio logy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
11	2	The staphylococci	bacterio logy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
12	2	:Lactobacilli	bacterio logy	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, semester, mid-term and final exams

				critical thinking and active learning	
13	2	*Corynebacterium*: *C. diphtheriae*&Diphtheriodes	bacteriology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
14	2	*Bacillus*	bacteriology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
15	2	*Clostridium*	bacteriology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
16	2	*Mycobacterium*	bacteriology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
17	2	Enterbacteriaceae(part1)	bacteriology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
18	2	Enterbacteriaceae(part2)	bacteriology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

19	2	Fusiform	bacterio logy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
20	2	Spiochaetes	bacterio logy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
21	2	*Actinomyces*and other Filamentous :bacteria	bacterio logy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
22	2	:*Actinobacillus*	bacterio logy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
23	2	Miscellaneous micro-organism	bacterio logy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
24	2	Ecology of the oral flora	bacterio logy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
25	2	Ecology of the oral flora	bacterio logy	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, semester, mid-term and final exams

				critical thinking and active learning	
26	2	Dental plaque and dental cares:	bacterio logy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
27	2	Virology(part (1	bacterio logy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
28	2	Virology(part2)	bacterio logy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
29	2	Virology(part3)	bacterio logy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
30	2	Oral mycology :Parasitology &	bacterio logy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester has (4) for theory, (4) for practice, and (2) for activity and attendance. Mid-term exam (20) Final exam (20) for practical and (40) for theoretical	
12- Teaching and learning resources:	
	Required textbooks (methodology if any)
Medical microbiology (Jawetz et al.,2019) Microbiology)2019(	Main References (Sources)
	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites

Course Description Form

GENERAL PATHOLOGY
308GP
2024-2025
2024-2025
In-person education in classrooms, laboratories and clinics
Total number of study hours (theoretical + practical for 30 weeks): 120 hours Total number of units (theoretical and practical): 6 units

Asst. Prof. Dr. Ali Fadhel Hashem	Email	ali.f@uokerbala.edu.iq

*Knowing how different diseases occur * Explain the cellular and tissue changes of diseases. * Knowing the genetic changes associated with body diseases
1-Lecturer Text 2- LinksVideo lecturesAnd -3 EpisodesDiscussion 4- ExaminationMicroscopic 5- Conducting seminars

10- Course structure:

Week	Hours	Learning outcomes Required	Unit name/ The course Or the topic	Teaching method	Evaluation method
1	2	Introductionto Pathology	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY
2	2	Cell injury	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY
3	2	necrosis	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY
4	2	Acute inflammation	Physiology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY
5	2	Chronic inflammation	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY
6	2	Hemodynamic disturbances	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY

7	**2**	edema	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY
8	**2**	Intracellular accumulation	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY
9	**2**	immunopathology	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY
10	**2**	Hypersensitivity immune & deficiency	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY
11	**2**	Infectious pathology system	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY
12	**2**	Benign tumors	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY
13	**2**	Malignant tumors	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY

14	**2**	genetic	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY
15	**2**	mutations	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY
16	2	Anemias	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY
18	2	Bleeding tendency	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY
19	2	hemophilia	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY
20	2	Platelet disorders	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY
21	2	Occupational pathology	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY
22	2	leukemias	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY

23	2	hematopathology	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY
24	2	hemoglobinopathy	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY
25	2	lymphomas	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY
26	2	Pulmonary pathology	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY
27	2	Pulmonary pathology part 2	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY
28	2	Pathology of digestive system 1	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY
29	2	Pathology of digestive system part 2	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY
30	2	Pathology of digestive system 3	Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	ExamstheShort, quarterly, and semi-annual The finalY

11- Course evaluation:	
For the theoretical)4(For separation the second and From it Be per season)10(For separation the first and)10(Exams Daily and Quarterly For activity and the audience)2and(For practical)4and( )20half Year(exam For the theoretical)40(For practical and)20Exam Final(	
12- Teaching and learning resources:	
Robbin Basic pathology	**Books The reporter Required(methodology that I found)**
Rubbin Essential Pathology	**the reviewer Home(Sources)**
AJCC Pathology	**Books References chock that Recommend With it(Magazines Scientific, Reports....)**
www.pathologyoutline.com	**the reviewer Electronic , Sites The Internet**

Course Description Form

1- Course name:		
ORAL SURGERY-3		
2- Course code:		
302OS		
3- Year:		
2026-2025		
4- Date of preparation of this description:		
2026-2025		
5- Available forms of attendance:		
In-person education in classrooms, laboratories and clinics		
6- Total number of study hours and total number of units:		
Total number of study hours (theoretical + practical for 30 weeks): 90 hours Total number of units (theoretical and practical)):4		
7- Name of the course supervisor(s):		
kamalalturfi@alameed.edu.iq	:Email	Name: M.M. Kamal Sahib Mazal
8- Course objectives:		
* How to take a medical history and conduct a clinical examination of patients * Knowing the types and methods of giving local anesthesia and what are the indications for its use * Knowledge of all surgical tools, especially those used in tooth extraction. * Knowing the methods of tooth extraction, the effect of general diseases and their interactions during the administration of anesthesia or the extraction process, and how to avoid these complications.		
9- Teaching and learning strategies:		
Feedback from the previous lecture, Text lectures, Presentations, Daily tests, Video Links, and Discussion sessions		

Week	Hours	Required learning outcomes	Name of unit/course or topic	Teaching method	Evaluation method
1	1	Diagnosis in oral surgery	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
2	1	Diagnosis in oral surgerypart 2	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
3	1	Infection Control in Surgical Practice	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
4	1	Infection Control in Surgical Practice Part 2	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
5	1	Extraction of teeth and Contra indications of extraction	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

6	1	Extraction of teeth and Contra indications of extraction	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
7	1	General arrangement for extraction and dental forceps (types)	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
8	1	General arrangement for extraction and dental forceps (types) part 2	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
9	1	Techniques of forceps extraction and post-operative instructions	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
10	1	Elevators	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
11	1	Elevators part 2	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical	Short, semester, mid-term and final exams

				thinking and active learning	
12	1	Complications of dental extraction	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
13	1	Complications of dental extraction	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
14	1	Basic surgical instruments	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
15	1	Introduction to local anesthesia	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
16	1	Pharmacology of local anesthesia	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
17	1	Pharmacology of local anesthesia	Oral surgery	Textual, presentation, and video lectures (individual and	Short, semester, mid-term

				collaborative) stimulate critical thinking and active learning	and final exams
18	1	Surgical anatomy in local anesthesia	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
19	1	Surgical anatomy in local anesthesia	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
20	1	Instruments of local anesthesia	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
21	1	Techniques of local anesthesia	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
22	1	Techniques of local anesthesia part 2	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

23	1	Techniques of local anesthesia Part 3	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
24	1	Complications of local anesthesia	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
25	2	Complications of local anesthesia Part 2	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
26	1	Complications of local anesthesia Part 3	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
27	1	Advances in local anesthesia	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
28	1	Conscious sedation	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical	Short, semester, mid-term and final exams

				thinking and active learning	
29	1	Fundamentals of general anesthesia	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
30	1	Medical emergencies during dental treatment	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, and from them there will be for each semester (5) for the theoretical, (4) for the practical, and (1) for activity and attendance Mid-term exam (20) Final exam (20) for practical and (40) for theoretical	
12- Teaching and learning resources:	
Contemporary oral surgery	**Required textbooks (methodology if any)**
Fragiskos in minor oral surgery	**Main References (Sources)**
	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites

Course Description Form

1- Course name:
COMMUNITY DENTISTRY
2- Course code:
304CD
3- Year:
2026-2025
4- Date of preparation of this description:
2026-2025
5- Available forms of attendance:
In-person education in classrooms, laboratories and clinics
6- Total number of study hours and total number of units:
Total number of study hours (theoretical 30 + practical 60)For a period of30 weeks: 90 **Total number of units (theoretical 2 and practical 2): 4**
7- Name of the course supervisor(s):

Ali_Altaweel@yahoo.com	**:Email**	**Name: M.M Ali Farouk Majeed Al-Tawil**

8- Course objectives:
***Understand the basic principles**: To provide students with basic knowledge about oral and dental health and how to prevent common diseases. ***Practical training**: Enhancing practical skills through clinical and field training, enabling students to apply what they have learned in a real-world setting. ***Scientific research**Encouraging students to participate in scientific research related to community dentistry, which contributes to the development of this field. ***Awareness and education**:Teaching students how to educate the community about the importance of oral and dental health and ways to prevent diseases.

*__Effective communication__Developing effective communication skills with patients and community members, to ensure the provision of comprehensive and integrated health care.
*__Teamwork__: Enhancing team spirit and teamwork among students, which helps them cooperate with their colleagues in the future career.

9- Teaching and learning strategies:

1- **Text lectures**
2- **Presentations**
3- **Discussion sessions**
4- **Tests**
5- **Educational clinics**

Weeks	Hours	Theoretical contents	Name of unit/course or topic	Teaching method	Evaluation method
1	1	Dental public health Procedural steps in dental public health	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
2	1	Primary health care	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
3	1	Dental indices	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
4	1	Indices used for dental care assessment	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
5	1	Indices used for oral hygiene	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
6	1	Periodontal health assessment	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
7	1	Biostatistics and dental science	Community	Textual, presentation, and video lectures (individual and collaborative)	Short, semester,

				stimulate critical thinking and active learning	mid-term and final exams
8	1	Measures of central tendency & dispersion	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
9	1	Dental treatment need and demand	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
10	1	Dental care for special groups Dental manpower planning	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
11	1	Examination	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
12	1	Epidemiology of dental caries	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
13	1	Forensic dentistry	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
14	1	Age assessment in forensic dentistry	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
15	1		Community	Textual, presentation, and video lectures (individual	Short, semester,

				and collaborative) stimulate critical thinking and active learning	mid-term and final exams
16	1	Fluoridation as a public health measure	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
17	1	Fluoridation, mechanism and effects	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
18	1	Dental ancillaries personnel	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
19	1	Introduction to epidemiology	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
20	1	Tools of measurement in epidemiology	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
21	1	Epidemiology of periodontal disease	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
22	1	Epidemiological studies	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

23	1	Dental health education	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
24	1	Principles of health education	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
25	1	School dental health program	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
26	1	Occupational hazards	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
27	1	Environment and health	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
28	1	Professional ethics	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
29	1	Dental patient relationships	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
30	1	Infection control	Community	Textual, presentation, and video lectures (individual and collaborative)	Short, semester, mid-term and final exams

				stimulate critical thinking and active learning	
31	1	Sterilization	Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester will have (4) for theoretical, (4) for practical, and (2) for activity and attendance. **Mid-term exam (20)** **Final exam (20) for practical and (40) for theoretical**	
12- Teaching and learning resources:	
	Required textbooks (methodology if any)
- Preventive and Community Dentistry Public Health Dentistry Third Edition. **- A Textbook of Public Health Dentistry, CM Marya, Jaypee BROTHERS MEDICAL PUBLISHERS (P) LTD,2011**	**Main References (Sources)**
	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites

Course Description Form

1- Course name:
DENTAL ETHICS
2- Course code:
309DE
3- Year:
2026-2025
4- Date of preparation of this description:
2026-2025
5- Available forms of attendance:
In-person education in classrooms
6- Total number of study hours and total number of units:
Total number of study hours (theoretical for 30 weeks):30 Total number of units:2
7- Name of the course supervisor(s):
alhussainali1996@gmail.com | Name: Hussein Ali Mohammed Hussein
8- Course objectives:
- Qualifying dental students with knowledge and skillsEthical forIt was completedYYesAnd correct treatment of patients - Providing them with studies and research that enable them to make quick decisions in different situations in clinics. - Instilling ideal values and behavior in them and raising them to respect other opinions - Preparing a dentist who is scientifically and practically proficient in the field of specialization, with the right ethics and principles.
9- Teaching and learning strategies:
Feedback from the previous lecture, Text lectures, Presentations, Daily tests, Video Links, and Discussion sessions

10- Course structures

The week	Hours	Required learning outcomes	Name of unit/course or topic	Teaching method	Evaluation method
1	1	Dental ethics	What is meant by "ethics?" Why are ethics important? Evolution and philosophy of ethics The terms moral and ethical, obligation and principle	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm exams Quiz+ + Seminars
2	1	Dental ethics	Dental ethics, professionalism, human Rights and Law What is a "profession?" What is a "professional?" What is "professionalism?" Dentistry as a Profession Dentistry: The Commercial Picture Dentistry: The Normal Picture The Content of Professional Obligations	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm exams Quiz+ + Seminars
3	1	Dental ethics	What is meant by the "best interests" of our patients? What is "paternalism?" Is good risk management good ethics? What about compromising ?quality	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm exams Quiz+ + Seminars
4	1	Dental ethics	What are codes of ethics? Should I care more about being legal or being ethical? Do we really have obligations to patients? Can dentistry be both a business and a profession?	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm exams Quiz+ + Seminars

5	1	Dental ethics	What's special about Dentistry? What's special about dental ethics? Who decides what is ethical? Does dental ethics change? Does dental ethics differ from one country to another?	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm exams Quiz+ + Seminars
6	1	Dental ethics	The role of the FDI How does the FDI decide what is ethical? How do individuals decide what is ethical? How do individuals decide what is ethical?	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm exams Quiz+ + Seminars
7	1	Dental ethics	History and basic ethical theory History of medical ethics Hammurabi's code of law ipocratic oath Basic grounding of Ethics Humanities (universal standards) Religious& nonreligious: Political& dogmatic strategies of the state Other groundings of Ethics (theories of ethics): 1- Action theory: 2- Consequentiality theory: 3- Value theory (why theory): Ethics and the law Sources of Ethical Views and Convictions	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm exams Quiz+ + Seminars
8	1	Dental ethics	1- Patient autonomy 2- Non-maleficence 3- Benefit 4- Justice	Textual, presentation, and video lectures (individual and collaborative) stimulate critical	Midterm exams Quiz+ + Seminars

			Veracity -5	thinking and active learning	
9	1	Dental ethics	Duties and obligation of dentists In general	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm exams Quiz+ + Seminars
10	1	Dental ethics	The Ideal Relationship between Dentist and Patient Duties and obligations of dentists Toward their patients THE DENTIST-PATIENT RELATIONSHIP FOUR MODELS OF THE DENTIST-PATIENT RELATIONSHIP The Guild Model The Agent Model The Commercial Model The Interactive Model	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm exams Quiz+ + Seminars
11	1	Dental ethics	Duties and obligation of dentists Toward the public and the paramedical profession The relationship between Dentistry and the Larger Community	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm exams Quiz+ + Seminars
12	1	Dental ethics	Duties of dental surgeons and specialists in consultations	Textual, presentation, and video lectures (individual and collaborative) stimulate critical	Midterm exams Quiz+ + Seminars

				thinking and active learning	
13	1	Dental ethics	Responsibilities of dental surgeons to one another Ideal Relationships between Co-professionals	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm exams Quiz+ + Seminars
14	1	Dental ethics	Ethical Issues in Dental Practice Ethical Questions and Legal Questions Choosing to Re Ethical Published Codes of Conduct and Ethics Committees Examples of ethical issues and Challenges 1- Access to dental care 2- Abuse of prescriptions by patients 3- Advertising 4- Emergency care 5- Financial arrangements 6- Disclosure and misrepresentation Child abuse -7	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm exams Quiz+ + Seminars
15	1	Dental ethics	8- Competence and judgment 9- Confidentiality 10- Dating patients 11- Delegation of duties 12- Digital communication and social media Harassment -13	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm exams Quiz+ + Seminars

			Consent -14		
16	1	Dental ethics	Patients with Compromised Capacity Treatment Decisions for Patients with Compromised Capacity The Role of Parents and Legal Guardians	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm exams Quiz+ + Seminars
17	1	Dental ethics	The Capacity for Autonomous Decision Making Dealing with Patients Partially Compromised Capacity	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm exams Quiz+ + Seminars
18	1	Dental ethics	- Conflict of interest - Personal interest versus patient interest - Public versus patient interest - Third-party interests Professional -	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm exams Quiz+ + Seminars
19	1	Dental ethics	- Importance of Dental Research - Research in Dental Practice - Ethical Requirements - Ethics Review Committee Approval -	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm exams Quiz+ + Seminars
20	1	Dental ethics	Scientific Merit - Social Value - Risks and Benefits - Informed Consent	Textual, presentation, and video lectures (individual and collaborative) stimulate critical	Midterm exams Quiz+ + Seminars

			- Confidentiality - Conflict of Roles :Honest Reporting of Results -	thinking and active learning	
21	1	Dental ethics	-Who determines how a dentist should behave? -A local or a global standard of care? -Transparency of care, guidelines, and protocols. -Shared decision-making, evidence informed decision-making, and evidence-guided decision-making. -Individualization and the standard of care based on a long-term goal for dental treatment.	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm exams Quiz+ + Seminars
22	1	Dental ethics	Difficult Professional-Ethical Judgments	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm exams Quiz+ + Seminars
23	1	Dental ethics	A Model of Professional-Ethical Decision Making	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm exams Quiz+ + Seminars
24	1	Dental ethics	Conflicting Professional Obligations Conflicts Between Professional and Other Obligations	Textual, presentation, and video lectures (individual and collaborative) stimulate critical	Midterm exams Quiz+ + Seminars

				thinking and active learning	
25	1	Dental ethics	Conscientious Disobedience of Professional Obligations	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm exams Quiz+ + Seminars
26	1	Dental ethics	The Central Values of Dental Practice The Patient's Life and General Health The Patient's Oral Health	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm exams Quiz+ + Seminars
27	1	Dental ethics	The Patient's Autonomy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm exams Quiz+ + Seminars
28	1	Dental ethics	The Dentist's Preferred Patterns of Practice Aesthetic Values	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm exams Quiz+ + Seminars
29	1	Dental ethics	Efficiency in the Use of Resources Ranking Dentistry's Central Values Thinking about the Case	Textual, presentation, and video lectures (individual and collaborative) stimulate critical	Midterm exams Quiz+ + Seminars

				thinking and active learning	
30	1	Dental ethics	-Does the duty to treat depend on a Prior relationship between dentist and patient? -The duty to treat: Patients of record versus prior unknown patients. -Requested treatment and the duty to treat -Duty to treat and the characteristics of the patient who seeks help -Is a dentist obliged to accept a patient as a patient of record? -Terminating the relationship with a patient of record	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Midterm exams Quiz+ + Seminars

11- Course evaluation:
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester will have (8) for theory and (2) for activity and interaction inside the hall. **Mid-term exam (20)** **Final Exam (60)**

12- Teaching and learning resources:	
- **Mindset** **The new psychology of success, 2006** - **Medical ethics in clinical practice, 2019** - **Methods in medical ethics, 2010**	**Main References (Sources)**

Course Description Form

1- Course name:
PHARMACOLOGY
2- Course code:
PC317
3- Year:
2026-2025
4- Date of preparation of this description:
2026-2025
5- Available forms of attendance:
In-person education in classrooms, laboratories and clinics
6- Total number of study hours and total number of units:
Total number of study hours (theoretical + practical for 30 weeks):120 Total number of units (theoretical and practical):6
7- Name of the course supervisor(s):
Aymen@Alameduniversity.com — M.M. Ayman Ahmed Jawad Al-Khafaji
8- Course objectives:
Identifying the most important medications that the dentist must be aware of and scientifically familiar with. . Identify the terms related to pharmacology. Enabling the student to identify the most important pharmaceutical information, such as the mechanism of action of the drug, indications for use, and medical prescription.-Its side effects, in addition to knowing the most important uses and interactions of drugs in the field of dentistry.
9- Teaching and learning strategies:
Feedback from the previous lecture, Text lectures, Presentations, Daily tests, Video Links, and Discussion sessions

Weeks	Hours	Required learning outcomes	Name of unit/course or topic	Teaching method	Evaluation method
1	2	General Pharmacology	Pharmacology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
2	2	Pharmacokinetics & Pharmacokinetics	Pharmacology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
3	2	Cholinergic system (agonists) & Cholinergic antagonists or blockers	Pharmacology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
4	2	Adrenergic system & Adrenergic Agonists	Pharmacology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
5	2	Adrenergic Antagonists	Pharmacology	Textual, presentation, and video lectures (individual and	Short, semester, mid-term and final exams

				collaborative) stimulate critical thinking and active learning	
6	2	Management of hypertension	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams
7	2	Management of heart failure	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams
8	2	Management of angina	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams
9	2	Management of arrhythmias	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams
10	2	Management of hyperlipidemias	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams
11	2	Management of hyperglycemia	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams
12	2	Anxiolytic and Hypnotic drugs	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams
13	2	Narcotic analgesics	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams
14	2	Local anesthetics & General anesthetics	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams
15	2	NSAIDs & Disease-modifying antirheumatic agents and drugs used in the treatment of gout	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams
16	2	Chemotherapeutic agent Penicillin's Cephalosporins&	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams

17	2	Protein synthesis inhibitors 1 & Protein synthesis inhibitors 2	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams
18	2	Quinolones, Folic Acid Antagonist, and Urinary Tract Antiseptics	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams
19	2	Antimycobacterial & Antiprotozoal	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams
20	2	Antifungal & Drugs used for supragingival plaque	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams
21	2	Antiviral	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams
22	2	Autacoids	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams
23	2	Drugs acting on respiratory system	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams
24	2	Adrenocortico-steriod hormones	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams
25	2	Drugs acting on GIT and vomiting management	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams
26	2	Immunomodulating drugs	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams
27	2	Diuretics	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams
28	2	Thyroid hormones and antithyroid drugs	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams

29	2	Anticoagulants and antianemic medications	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams
30	2	Sex hormones and contraceptive drugs	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams
31	2	Anticancer medications	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams
32	2	Toxicology	Pharmacology	Textual, presentation, and video lectures	Short, semester, mid-term and final exams

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester has (4) for theory, (4) for practice, and (2) for activity and attendance. **Mid-term exam (20)** **Final exam (20) for practical and (40) for theoretical**	
12- Teaching and learning resources:	
Lippincott, contemporary-dental-pharmacology-evidence-based-considerations-1st	**Required textbooks (methodology if any)**
	Main References (Sources)
	Recommended supporting books and references (scientific journals, reports, etc.)
Google scholar	**Electronic references, websites**

Course Description Form

1- Course name:
Pedodontics- 4
2- Course code:
409PAPD
3- Year:
2026-2025
4- Date of preparation of this description:
2026-2025
5- Available forms of attendance:
In-person education in classrooms, laboratories and clinics
6- Total number of study hours and total number of units:
Total number of study hours (theoretical + practical for 30 weeks):90 Total number of units (theoretical and practical):4
7- Name of the course supervisor(s):
Asst. Lecturer: Sheren Sameer Yousif shereen@alameed.edu.iq Asst. Lecturer: Shahad Fahim Obaid dentistshahad.ds@gmail.com
8- Course objectives:
Knowledge of the eruption times of primary and permanent teeth Knowledge of the differences between primary and permanent teeth Knowledge of the causes of dental caries in children and methods of prevention Knowledge of all treatment approaches for various conditions affecting primary and permanent teeth Knowledge of all materials and instruments used in pediatric dentistry Knowledge of diseases that manifest symptoms in the oral cavity and their management
9- Teaching and learning strategies:
Lectures using PowerPoint and interactive whiteboard. Show educational videos. .Guide students to some useful research sites. Follow up on students' way of thinking and break their fear barrier through scientific discussions and seminars conducted by students, as well as encouraging them to engage in scientific activities.

The week	Hours	Required learning outcomes	Name of unit/course or topic	Teaching method	Evaluation method
1	1	Eruption of teeth , normal eruption process	Pedodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
2	1	Teething and difficult eruption	Pedodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
3	1	Eruption haematoma , sequestrum ,ectopic eruption	Pedodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
4	1	Epstein pearls, Bohn nodules, Dental lamina cysts, Shedding of the primary teeth, Mechanism of resorption and shedding,	Pedodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
5	1	Systemic (disease) Factors which cause late eruption Deciduous Dentition Period, Ugly Duckling Stage	Pedodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
6	1	Morphology of the primary teeth	Pedodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, semester, mid-term and final exams

7	1	rmal morphology of all rimary teeth and their clinical consideration	Pedodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, semester, mid-term and final exams
8	1	Morphological differences between primary and	Pedodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, semester, mid-term and final exams
9	1	Functions of primary teeth	Pedodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, semester, mid-term and final exams
10	1	Dental caries; Definition and Classification	Pedodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, semester, mid-term and final exams
11	1	Rampant dental caries, Early childhood caries,	Pedodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, semester, mid-term and final exams
12	1	Restorative dentistry for children Isolation & maintenance of dry field and application of the rubber Dam	Pedodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
13	1	Morphological consideration ,cavity preparation Cavity	Pedodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, semester, mid-term and final exams
14	1	Restorative materials used on pediatric dentistry	Pedodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, semester, mid-term and final exams
15	1	Acquired disturbances of oral structures	Pedodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, semester, mid-term and final exams
16	1	Gingivitis and periodontal disease in children:	Pedodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, semester, mid-term and final exams
17	1	Acute candidacies (thrush), acute bacterial infection,	Pedodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, semester, mid-term and final exams
18	1	ngival lesions of genetic origin, ascorbic acid deficiency gingivitis	Pedodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, semester, mid-term and final exams

19	1	Periodontal diseases in children, early onset periodontitis,	Pedodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
20	1	Papillon – Lefevere syndrome, gingival recession, extrinsic stains and deposits on	Pedodontics		
21	1	Reaction of pulp to various capping material	Pedodontics		
22	1	Local anesthesia and pain control for children	Pedodontics		
23	1	Anesthetizing mandibular and maxillary teeth and soft tissue	Pedodontics		
24	1	mplications after a local anesthetic supplemental injection techniques	Pedodontics		
25	1	supplemental injection techniques	Pedodontics		
26	1	Oral surgery for children, indication and contraindictions	Pedodontics		
27	1	hnique for extraction of primary teeth	Pedodontics		
28	1	extraction complications	Pedodontics		
29	1	postoperative extraction complications, radiographic survey of teeth extracted	Pedodontics		
30	1	Infections manifestation and management	Pedodontics		

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, and from them there will be for each semester for the theoretical, (4) for the practical, and (1) for activity and attendance (5) (20) Mid-term exam Final exam (20) for practical and (40) for theoretical	
12- Teaching and learning resources:	
	Required textbooks (methodology if any)
McDONALD AND AVERY'S DENTISTRY for CHILD and ADOLESCENT 11th edition by Elsevier Hand book of pediatric dentistry (Cameron) mosby	Main References (Sources)
	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites

Course Description Form

1- Course name:		
ORAL PATHOLOGY		
2- Course code:		
406OP		
3- Year:		
2026-2025		
4- Date of preparation of this description:		
2026-2025		
5- Available forms of attendance:		
In-person education in classrooms, laboratories and clinics		
6- Total number of study hours and total number of units:		
Total number of study hours (60 + practical 60)): 120 Total number of units (theoretical 4 and practical 2): 6		
7- Name of the course supervisor(s):		
dheyaaalhajjar@gmail.com	:Email	Name: Diaa Rashid Ali
8- Course objectives:		
To qualify dental students with strong knowledge and skills to diagnose various oral diseases, using advanced staining techniques and understanding of histopathological examination. Objectives: . Understand and differentiate different oral diseases. . Proficiency in the use of staining techniques for diagnostic purposes. Gain skills in tissue cutting techniques.		
9- Teaching and learning strategies:		
Feedback from the previous lecture, Text lectures, Presentations, Daily tests, Video Links, and Discussion sessions		

The week	Hours	Required learning outcomes	Name of unit/course or topic	Teaching method	Evaluation method
1	1	Introduction	Oral Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term and semester exams and seminars.
1	1	Principles of biopsy techniques	Oral Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term and semester exams and seminars.
2	2	Dental caries	Oral Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term and semester exams and seminars.
3	2	Pulp pathology	Oral Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term and semester exams and seminars.
4	2	Periapical pathology	Oral Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term and semester exams and seminars.
5	2	Bone infection	Oral Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, mid-term and semester exams and seminars.

				critical thinking and active learning	
6 7	4	Bone diseases (Genetic diseases, metabolic diseases; fibro-osseous lesions)	Oral Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term and semester exams and seminars.
8 9	4	Developme ntal disturbances	Oral Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term and semester exams and seminars.
10 11 12	6	Bone neoplasms	Oral Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term and semester exams and seminars.
13	3	Cysts of the jaw	Oral Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term and semester exams and seminars.
14	3	Odontogene tic tumors	Oral Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term and semester exams and seminars.
15 16	4	Oral mucosal lesions	Oral Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, mid-term and semester exams and seminars.

				critical thinking and active learning	
17	2	White lesions	Oral Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term and semester exams and seminars.
18	2	Vesiculo-bulbous lesions, Vesiculo-ulcerative lesions	Oral Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term and semester exams and seminars.
19 20	4	Oral malignancies	Oral Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term and semester exams and seminars.
21	2	Diseases of salivary glands	Oral Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term and semester exams and seminars.
22	2	Tumors of salivary glands	Oral Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term and semester exams and seminars.
23	2	Red lesions	Oral Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term and semester exams and seminars.

24 25	5	Connective tissue lesions	Oral Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term and semester exams and seminars.
26	2	Pigmented lesions	Oral Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term and semester exams and seminars.
27 28	3	Forensic odontology	Oral Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term and semester exams and seminars.
29	2	TMJ pathology	Oral Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term and semester exams and seminars.
30	2	Osseointegration	Oral Pathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term and semester exams and seminars.

Course evaluation -11	
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester has (4) for theory, (4) for practice, and (2) for activity and attendance. Mid-term exam (20) Final exam (20) for practical and (40) for theoretical	
Learning and teaching resources -12	
Oral and Maxillofacial Pathology" by Brad Neville et al., 4th Edition	Main References (Sources)

Course Description Form

1- Course name:		
ORTHODONTICS-4		
2- Course code:		
405OD		
3- Year:		
2026-2025		
4- Date of preparation of this description:		
2026-2025		
5- Available forms of attendance:		
In-person education in classrooms, laboratories and clinics		
6- Total number of study hours and total number of units:		
Total number of study hours (theoretical + practical for 30 weeks): 150 hours Total number of units (theoretical and practical):6Units		
7- Name of the course supervisor(s):		
bara@alameed.edu.iq	:Email	Name: M.M. Baraa Saheb Mahdi

8- Course objectives:

1-to understand Principles Basic To straighten Teeth:study growth And development Teeth And the jaws, And knowledge Factors Influential on formation The device Oral.

2-**Diagnosis problems The dishes**:Recognition on Types Different from problems The dishes(like The dishes The inverse or Open)And specify Its degrees And its intensity Using Tools Diagnostic The occasion.

3-Use Tools and technologies Therapeutic:to learn How to Use Devices Calendar Fixed And moving For treatment problems calendar Teeth In a way effective.

4-**analysis the pictures Radiological And the editions**:ability on reading And analysis the pictures Radiological(like photo Panorama And measurements Vertical)And prints Teeth For diagnosis condition the patient.

5-plan Treatment:design plan treatment Comprehensive fit condition the patient building on Diagnosis with Consideration Factors Biological And mechanical.

6-**communication with Patients**:Enhance skills communication with Patients To clarify plan Treatment And the stages Different And expectations Results.

7-**tracking Treatment**:to understand How to tracking condition the patient during stages Treatment Different, And modify the plan Therapeutic if It is necessary The order To achieve better Results.

8-**Recognition on Complications**:knowledge Complications potential during And after Treatment How to Dealing With her.

9- Teaching and learning strategies

1- Text lectures
2- Presentations
3- Video lecture links
4- Educational laboratory steps
Tests

Weeks	Hours	Theoretical contents	Name of unit/course or topic	Teaching method	Evaluation method
1	2	Introduction Definition of orthodontics Definition of occlusion, normal occlusion, ideal occlusion and malocclusion Six keys of normal occlusion	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
2	2	Aims of orthodontic treatment Orthodontic definitions (overjet, overbite, crossbite, spacing, crowding, midline deviation, rotation, displacement, proclination, retroclination, protrusion, retrusion, imbrication, overlap, impaction) – including types	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
3	2	Classification of malocclusion a. Angle's classification including division and subdivisions	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
4	2	b. Molar, canine, incisor classifications c. Classification of deciduous and mixed dentitions	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
5	2	Growth and development	Orthodontic	Textual, presentation, and video lectures (individual and collaborative)	Short, semester, mid-term and final exams

		Definitions of growth, development and maturity Stages of development (ovum till birth) Theories of bone growth (cartiligeneous, sutural, endosteal-periosteal, matrix theories)		stimulate critical thinking and active learning	
6	2	Definitions of growth site, growth center, displacement, and drift Growth curve and maximum growth spurt	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
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	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
8	2	Developmental anomalies Jaw rotation and adaptation	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
9	2	<u>Deciduous and permanent dentition</u> Stages of tooth development: Formation, calcification and root completion	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
10	2	Tooth eruption (stages and theories)	Orthodontic	Textual, presentation, and video lectures (individual and collaborative)	Short, semester, mid-term and final exams

		Sequences and timing of eruption		stimulate critical thinking and active learning	
11	2	<u>Development of occlusion</u> a. new born oral cavity (relationship of gum pads, neonatal jaw relationships, natal and neonatal teeth) b. Deciduous dentition stage - Dental changes till 6 years of age (jaw relationship, attrition, primary spaces)	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
12	2	c. Early mixed dentition stage - eruption of first molars and incisors (occlusal relationships of primary and permanent molars, early mesial shift, ugly duckling stage, secondary spaces) d. Late mixed dentition stage - eruption of canines and premolars (Leeway space and late mesial shift) e. Permanent dentition - eruption second and third molars (mesial migration)	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
13	2	<u>Etiology of malocclusion:</u> Genetic factors and inherited factors Classification of etiological factors a. General factors i. Skeletal (dental base and cranial base, variation of position and size of the jaws)	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

14	2	ii. Soft tissue (muscles of face and mastication, muscles of lip and tongue, relation to skeletal factors, abnormalities of oro-facial musculature, interference with soft tissue function) iii. Tooth size and arch length relationship (Crowding and spacing) including types	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
15	2	b. Local factors: i. Extra-teeth (supernumerary) and missing teeth (hypodontia) ii. Anomalies of tooth size and shape	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
16	2	iii. Early loss of deciduous teeth iv. Retained deciduous teeth, delayed eruption of permanent teeth, impacted teeth, ankylosis	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
17	2	v. Abnormal eruptive behavior (displacement, transposition) vi. Large frenum (labial and lingual), periodontal diseases	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
18	2	vii. Oral habits viii. Dental cares, improper dental restoration	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
19	2	Tooth movement	Orthodontic	Textual, presentation, and video lectures (individual and collaborative)	Short, semester, mid-term and final exams

		a. Tissue changes associated with tooth movement: i. Histology of periodontium ii. Theories of tooth movement (pressure tension theory, blood flow theory, and piezoelectric theory)		stimulate critical thinking and active learning	
20	2	b. Biomechanics i. Force (application, type, magnitude, duration and direction) ii. Center of resistance and rotation, moment of force and moment of couple.	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
21	2	iii. Types of tooth movement iv. Rate of tooth movement and factors affecting it	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
22	2	<u>Orthodontic appliances</u> <u>a. Overview:</u> i. passive orthodontic appliances (habit breaker, retainer and space maintainer) ii. active orthodontic appliances (removable, fixed, orthopedic and myofunctional, and combination)	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
23	2	<u>b. Removable Orthodontic Appliance:</u> i. Properties of various components (SS wire, acrylic)	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

		ii. Components: 1) active components (springs, screws and elastics)			
24	2	2) retentive components (clasps) 3) Acrylic base plate and bite planes anchorage (4	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
25	2	iii. Design of a removable orthodontic appliance iv. Construction of a removable orthodontic appliance	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
26	2	v. Soldering and welding vi. Post-insertion instructions and guidelines	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
27	2	c. Fixed orthodontic appliance: Types, components, advantages, limitation, biomechanics, banding vs. bonding	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
28	2	Use of extra-oral anchorage, temporary anchorage devices (TADs), and lingual fixed appliance	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
29	2	d. Orthopedic and Myofunctional appliance: Types, components, advantages, limitation, mode of action	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

		e. Other active appliances:Combination appliances, Invisalign			
30	2	f. Retention and retainers Retention (definition, reason, time) Retainers (Hawley, clear overlay, positioners, permanent fixation, precision)	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester has (4) for theory, (4) for practice, and (2) for activity and attendance. Mid-term exam (20) Final exam (20) for practical and (40) for theoretical	
12- Teaching and learning resources:	
1. Contemporary Orthodontics by William R. Proffit	**Required textbooks (methodology if any)**
2. Orthodontics: Current Principles and Techniques by Lee W. Graber, Robert L. Vanarsdall Jr., Katherine W. L. Vig 3. Clinical Orthodontics by Martyn T. Cobourne, Andrew T. DiBiase 4. Essentials of Orthodontics by Robert N. Staley, Neil T. Reske	**Main References (Sources)**
	Recommended supporting books and references (scientific journals, reports, etc.)
PubMed, Cochrane library, Google scholar	**Electronic references, websites**

Course Description Form

1- Course name:
SURGERY
2- Course code:
408GS
3- Year:
2026-2025
4- Date of preparation of this description:
2026-2025
5- Available forms of attendance:
In-person education in classrooms, laboratories and clinics
6- Total number of study hours and total number of units:
Total number of study hours (theoretical + practical for 24 weeks): 30 **Total number of units (theoretical and practical): 2**
7- Name of the course supervisor(s):
drsermad@gmail.com | **Name: Dr. Sarmed Jafar Mohammed Al-Rubaie**
8- Course objectives:
• **How to take a medical history and perform a clinical examination of patients** • **Study the types of shock and how to treat them.** • **Knowing the types of injuries, wounds, fractures and treatment methods.** • **Study the types of bleeding and methods of treatment.** • **Knowing the types of tumors.** • **Knowing the surgical cases of various body systems and their relationship to dentistry and preparing the dentist to deal with various cases.**
9- Teaching and learning strategies:
Feedback from the previous lecture, Text lectures, Presentations, Daily tests, Video Links, and Discussion sessions

Weeks	Hours	Required learning outcomes	Name of unit/course or topic	Teaching method	Evaluation method
1	1	General introduction	General surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
2	1	Needles and sutures	General surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
3	1	Shock	General surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
4	1	Hemorrhage	General surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
5	1	Hemorrhage	General surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
6	1	Blood transfusion	General surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
7	1	wounds	General surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

8	1	Wound healing	General surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
9	1	Infection	General surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
10	1	Bone fracture	General surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
11	1	Bone fracture	General surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
12	1	Nutrition	General surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
13	1	Fluid therapy	General surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
14	1	Laparoscopic surgery	General surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
15	1	Thromboph lebitis	General surgery	Textual, presentation, and video lectures (individual and collaborative)	Short, semester, mid-term and final exams

				stimulate critical thinking and active learning	
16	1	Chest trauma	General surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
17	1	Tumors benign) and premaligna (nt	General surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
18	1	Tumors (malignant)	General surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
19	1	Coagulopat hy	General surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
20	1	Pleural effusion, pneumotho rax	General surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
21	1	Burns	General surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
22	1	Abscess, cellulitis	General surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

23	1	Esophagus	General surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
24	1	Calcium metabolic disorder	General surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

11- Course evaluation	
Daily and semester exams (10) for the first semester and (10) for the second semester, and from them there will be for each semester **(5) for the theoretical, (4) for the practical, and (1) for activity and attendance** **Mid-term exam (20)** **Final exam (20) for practical and (40) for theoretical**	
12- Teaching and learning resources	
Baily's and Love's general surgery principles	**Required textbooks (methodology if any)**
Baily's and Love's general surgery principles	**Main References (Sources)**
	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites

Course Description Form

1- Course name:		
MEDICINE		
2- Course code:		
407GM		
3- Year:		
2026-2025		
4- Date of preparation of this description:		
2026-2025		
5- Available forms of attendance:		
In-person education in classrooms		
6- Total number of study hours and total number of units:		
Number of study hours totalY: 30 hours Total number of units:2Units		
7- Name of the course supervisor(s)		
Aymen4329@gmail.com		Name: Dr. Ayman Hassan Ali
8- Course objectives:		
* Identify common chronic and acute internal diseases and how to deal with them in dental clinics.		Subject objectives
9- Teaching and learning strategies:		
Feedback from the previous lecture, Text lectures, Presentations, Daily tests, Video Links, and Discussion sessions		

Weeks	Hours	Required learning outcomes	Name of unit/course or topic	Teaching method	Evaluation method
1	1	Heart failure	General medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
2	1	Ischemic heart disease	General medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
3	1	Arrhythmia	General medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
4	1	Infective endocarditis	General medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
6-5	2	Hypertension	General medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
8-7	2	Diabetes mellitus	General medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
10-9	2	Thyroid and adrenal glands	General medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, semester, mid-term and final exams

				critical thinking and active learning	
13-11	3	Respiratory tract diseases	General medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
14	1	Tuberculosis	General medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
17-15	3	Renal diseases	General medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
19-18	2	RBC disorders	General medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
20	1	Hematological malignancies	General medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
21	1	Bleeding tendency	General medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
22	1	Epilepsy	General medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

23	1	Cerebrovascular accidents (CVA)	General medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
25-24	2	GIT diseases	General medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
27-26	2	Liver diseases	General medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
28	1	Drug and alcohol abuse	General medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
30-29	2	Anxiety and depression	General medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester will have (8) for theory and (2) for activity and attendance, Mid-term exam (20), Final exam (60)	
12- Teaching and learning resources:	
Essentials of medicine for dental students 2nd edition (byAnil K Tripathi, & Kamal K Sawlani)	**Required textbooks (methodology if any))**
Little and Falace's Dental Management of the Medically Compromised (byJames W. Little,Craig S. Miller, & Nelson L. Rhodus)	**Main References ()Sources(**

Course Description Form

1- Course name:		
ORAL SURGERY-4		
2- Course code:		
404OS		
3- Year:		
2026-2025		
4- Date of preparation of this description:		
2026-2025		
5- Available forms of attendance:		
In-person education in classrooms, laboratories and clinics		
6- Total number of study hours and total number of units:		
Total number of study hours (theoretical + practical for 30 weeks):150hour Total number of units (theoretical and practical)): 6 units		
7- Name of the course supervisor(s):		
kamalalturfi@alameed.edu.iq	:Email	Name: A.M. Nouris Baha
	:Email	Name: : M.M. Kamal Saheb Mazal
8- Course objectives:		
* How to take a medical history and conduct a clinical examination of patients * Giving local anesthesia and knowing how to extract teeth * Knowing all diseases related to the body's systems and how to avoid complications during the extraction process. Dental implant knowledge *		
9- Teaching and learning strategies:		
1- Feedback from the previous lecture, Text lectures, Presentations, Daily tests, Video Links, and Discussion sessions		

10- Course structure:					
Weeks	**Hours**	**Required learning outcomes**	**Name of unit/course or topic**	**Teaching method**	**Evaluation method**
1	1	Cardiovascular diseases	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
2	1	Cardiovascular diseases	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
3	1	Bleeding disorder	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
4	1	Endocrinology	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
5	1	Pulmonary diseases	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
6	1	Liver Diseases	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
7	1	Chronic kidney disease and dialysis	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
8	1	Neurologic disorders	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

9	1	Pregnancy	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
10	1	AIDS and HIV infection	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
11	1	Rheumatologic and connective tissue disorders	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
12	1	Allergy	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
13	1	Patients on radiotherapy and chemotherapy	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
14	1	Odontogenic infections and fascial space infections	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
15	1	Odontogenic infections and fascial space infections	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

16	1	Odontogenic infections and fascial space infections	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
17	1	Principles of Flaps, suturing and management of difficult extraction	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
18	1	Principles of Flaps, suturing and management of difficult extraction	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
19	1	Principles of management of impacted teeth	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
20	1	Principles of management of impacted teeth	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
21	1	Principles of management of	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

		impacted teeth			
22	1	Surgical aids to orthodontics	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
23	1	Principles of endodontic surgery	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
24	1	Principles of endodontic surgery	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
25	1	Osteomyelitis and osteonecrosis of the jaw	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
26	1	Osteomyelitis and osteonecrosis of the jaw	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
27	1	Dental Implants: Basic Concepts and Techniques	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
28	1	Dental Implants: Basic Concepts and Techniques	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

29	1	Biopsy in oral and maxillofacial surgery	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
30	1	Diagnostic imaging in oral and maxillofacial surgery	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, and from them there will be for each semester (5) for the theoretical, (4) for the practical, and (1) for activity and attendance Mid-term exam (20) Final exam (20) for practical and (40) for theoretical	
12- Teaching and learning resources:	
Contemporary oral surgery	**Required textbooks (methodology if any)**
Dental Management of medically comprised patients LITTLE AND FALACE'S	**Main References (Sources)**
	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites

Course Description Form

1- Course name:		
PROSTHODONTICS-4		
2- Course code:		
403PR		
3- Year:		
2026-2025		
4- Date of preparation of this description:		
2026-2025		
5- Available forms of attendance:		
In-person education in classrooms, laboratories and clinics		
6- Total number of study hours and total number of units:		
Total number of study hours (theoretical + practical for 30 weeks): 120 hours Total number of units (theoretical and practical): 5 units		
7- Name of the course supervisor(s):		
Hashimbds1989@gmail.com	:Email	Name: M.M Hashem Abdul Aoun Kazim
8- Course objectives:		
* Knowledge of diagnosing and treating tooth loss cases with removable dentures. * Knowing the clinical steps for completing dental implants. * Gain experience related to Prosthodontics * Gaining skills to communicate with patients		
9- Teaching and learning strategies:		
Feedback from the previous lecture, Text lectures, Presentations, Daily tests, Video Links, and Discussion sessions		

10- Course outline:

The week	Theoretical curriculum hours	Required learning outcomes	Name of unit/course or topic	Teaching method	Evaluation method
1	1	osteology	Prosthodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
2	1	myology			As for the practical evaluation, it includes practical exams.
3	1	Diagnosis and treatment plan for RPD			Therapeutic cases
4	1	To be continued diagnosis and treatment			
5	1	Mouth preparation and abutment tooth preparation			Practical hours include four hours of clinic work per week. The student is required to complete several treatment cases and cannot take the final exam until
5	1	To be continued			
7	1	Impression materials and techniques for R PD			
8	1	To be continued			
9	1	Support in FEE RPD			
10	1	Techniques cast altered and metal check			
11	1	Occlusion in rpd			
12	1	Jaw relation in rpd			

13	1	Prep prosthetic surgery			they are completed.
14	1	To be continued			
15	1	Diagnosis and treatment plane CD		Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	
16	1	To be continued			
17	1	Impression in CD			
18	1	To be continued			
19	1	TMJ and mandibular movement			
20	1	Jaw relation-vertical			
21	1	To be continued			
22	1	Jaw relation-horizontal			
23	1	To be continued			
24	1	Try in stage in CD			
25	1	To be continued			
26	1	CD Insertion			
27	1	CD Adjustments			
28	1	relining and rebasing in RPD			

11- Course evaluation:
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester has (4) for theory, (4) for practice, and (2) for activity and attendance. Mid-term exam (20) Final exam (20) for practical and (40) for theoretical
12- Teaching and learning resources:
• Prosthodontic treatment for edentulous patients • McCracken removeable partial denture Textbook • Prosthodontic treatment for edentulous patients: Complete dentures and implant-supported prostheses • Stewart's clinical removable partial prosthodontics • Treating the complete denture patient • Textbook of complete dentures Removable partial dentures a clinician's guide

Course Description Form

1- Course name:
PERIODONTICS-4
2- Course code:
402PT
3- Year:
2026-2025
4- Date of preparation of this description:
2026-2025
5- Available forms of attendance:
In-person education in classrooms, laboratories and clinics

6- Total number of study hours and total number of units:		
Total number of study hours (theoretical + practical for 30 weeks): 120 hours Total number of units (theoretical and practical): 5 Units		
7- Name of the course supervisor(s):		
alizena046@gmail.com	:Email	Name: M. Dr.Zeina Ali Daily
8- Course objectives:		
• Stage studyOccurrence and development Gum diseaseLeading to increased tooth movement and loss • studyandKnow all special medical conditionsWith diseasesGumsFactors that increase the incidence and severity of the disease • knowledgeHow to diagnoseAll special medical conditionsWith diseasesGums and around the teeth to the protective side of thisHtheCases • Knowing how to treat all cases of gum and periodontal diseases, and this is done on several levels depending on the severity and type of the case. • theknowledgeAnd training on methodsTreatment of simple and moderate casesDifficulty,The treatment includes cleaning the teeth, removing tartar from the teeth, providing instructions on oral and dental care, and health awareness to prevent gum and periodontal diseases. Knowledge of modern methods, materials and tools used in Treatment of gum disease		
9- Teaching and learning strategies:		
Text lectures Presentations Discussion sessions Tests Seminars Educational clinics		

10- Course structure:					
The week	**Hours**	**Name of unit/course or topic**	**Theoretical content**	**Teaching method**	**Evaluation method**
1	1	Gum disease	Histology of the periodontium, terms & definitions frequently used in periodontology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Practical exams Short, quarterly, mid-year and final
2	2	Gum disease	Gingiva	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Exams The processand Short, quarterly, mid-year and final
4	2	Gum disease	Periodontal ligament	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Exams The processand Short, quarterly, mid-year and final
6	1	Gum disease	Alveolar bone	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Exams The process andShort, quarterly, mid-year and final
7	1	Gum disease	Root cementum	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
8	2	Gum disease	Etiology of periodontal disease & risk factors	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

10	2	Gum disease	Microbial dental plaque	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
12	2	Gum disease	Dental calculus tooth stain&	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
14	2	Gum disease	Pathogenesis of periodontal disease	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
16	1	Gum disease	Classification of periodontal disease	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
17	1	Gum disease	plaque&non plaque induced gingivitis	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
18	1	Gum disease	Chronic & aggressive periodontitis	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
19	1	Gum disease	Acute periodontal conditions	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
20	1	Gum disease	Perio-endo lesion	Textual, presentation, and video lectures (individual and collaborative)	Short, semester, mid-term

				stimulate critical thinking and active learning	and final exams
21	2	Gum disease	Periodontal disease prevention & diet	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
23	1	Gum disease	Treatment of periodontal disease	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
24	2	Gum disease	Cause related phase	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
26	3	Gum disease	Corrective phase	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
29	1	Gum disease	Maintenance phase	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
30	1	Gum disease	Drugs in periodontology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester has (4) for theory, (4) for practice, and (2) for activity and attendance. Mid-term exam (20) Final exam (20) for practical and (40) for theoretical	
12- Teaching and learning resources	
	Required textbooks (methodology if any)
• 1-Clinical Periodontology and Implant Dentistry, Seventh • Edition, Niklaus P. Lang and Jan Lindhe, 2022 • 2-Newman and Carranza's Clinical Periodontology, Thirteen • Edition, 2019	Main References (Sources)
• Tonetti MS, Greenwell H, Kornman KS. Staging and grading of periodontitis:Framework and proposal of a new classification and case definition. J Periodontol.2018 Jun:89 Suppl 1:S159-S172. doi: JPER.18-0006/10.1002 • Chapple ILC, Mealey BL, Van Dyke TE, Bartold PM, Dommisch H, Eickholz P, etal. Periodontal health and gingival diseases and conditions on an intact and a reduced periodontium: Consensus report of workgroup 1 of the 2017 World Workshop on the Classification of Periodontal and Peri-Implant Diseases and Conditions. Clin Periodontol. S68-S77. doi: 10.1111/jcpe.12940:(20)45;2018	Recommended supporting books and references (scientific journals, reports, etc.)
PubMed, Cochrane library, Google scholar	Electronic references, websites

Course Description Form

1- Course name:
OPERVATIVE DENTISTRY-4
2- Course code:
401OD
3- Year:
2026-2025
4- Date of preparation of this description:
2026-2025
5- Available forms of attendance:
In-person education in classrooms, laboratories and clinics
6- Total number of study hours and total number of units:
Total number of study hours:210 and Total number of units: 8
7- Name of the course supervisor(s):
.dent.ahmed.ghanim@uobabylon.edu.iq faazize@alameed.edu.iq. — Prof. Dr. Ahmed GhanemMahdi; Asst. Lect. Fatima Abdel Khaleq Aziz
8- Course objectives:
To qualify dental students with strong knowledge and skills to diagnose various dental treatment cases, using advanced techniques, devices and materials and understanding the difference in drawing up a treatment plan for each case. Objectives: . Understand and distinguish different dental treatment conditions. . Proficiency in the use of various devices and materials for treatment purposes. .Acquire various skills .
9- Teaching and learning strategies:
Feedback from the previous lecture, Text lectures, Presentations, Daily tests, Video Links, and Discussion sessions

16- Course structure:

Weeks	Hours	Theoretical content	Name of unit/course or topic	Teaching method	Evaluation method
1	1	Biologic Considerations of Enamel structure and its Clinical Significance in Practice of Operative Dentistry. (part 1)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
2	1	Biologic Considerations of Enamel structure and its Clinical Significance in Practice of Operative Dentistry. (part 1)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
3	1	Biologic Considerations of Enamel structure and its Clinical Significance in Practice of Operative Dentistry. (part2)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
4	1	Objective of endodontic treatment	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
5	1	Biologic Considerations of Dentin structure& its Clinical Significance in Operative Dentistry (part 1)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
6	1	Basic Phases of Treatment	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
7	1	Biologic Considerations of Dentin structure & its Clinical Significance in Operative Dentistry (part 2)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

8	1	Pulp pathologies	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
9	1	Patient Evaluation , Diagnosis & Treatment Planning	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
10	1	Classification of periapical diseases	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
11	1	The rubber dam and its applications	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
12	1	Caries Management (Diagnosis & treatment strategies)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
13	1	Access opening preparation	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
14	1	Cervical Lesions(carious and non-carious lesions)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
15	1	Endodontic Instruments	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative)	Short, semester, mid-term

				stimulate critical thinking and active learning	and final exams
16	1	Restorative Dentistry and Pulpal Health	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
17	1	Roentgenography in Endodontics and Root canal preparation	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
18	1	Management of Deep Seated Caries	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
19	1	Inflammatory Conditions of the Pulp	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
20	1	Treatment of Deep Seated Caries Simplified anatomical modeling.	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
21	1	Fluoride – Releasing Materials	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
22	1	Indirect aesthetic adhesive restorations Inlays and Onlays (materials ,techniques) CAD/CAM Technology.	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

23	1	Direct tooth-colored restorations(Composite)	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
24	1	Dental Laser	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
25	1	Application of Laser in Conservative Dentistry.I	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
26	1	Application of Laser in Conservative Dentistry.II	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
27	1	Indirect tooth-colored restorations	Operative Dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
28	1	Techniques of posterior composite Inlay/Onlay restoration system Laboratory-processed composite inlays and onlays.	Operative Dentistry		
29	1	Ceramic veneers, inlays and onlays, clinical procedures. I	Operative Dentistry		
30	1	Ceramic veneers, inlays and onlays, clinical procedures. CAD/CAM .techniques	Operative Dentistry		
31	1	.CAD/CAM techniques	Operative Dentistry		

11- Course evaluation:
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester has (4) for theoretical, (5) for practical, and (1) for activity and attendance. Mid-year exam (15) theoretical and (5) practical Final exam (20) for practical and (40) for theoretical

12- Teaching and learning resources	
	Required textbooks (methodology if any)
-Textbook of Endodontics(Nisha Gart, Amit Gart) -Summitt's Fundamentals of Operative Dentistry	Main References (Sources)
Textbook of Endodontics(Nisha Gart, Amit Gart) -Summitt's Fundamentals of Operative Dentistry	Recommended supporting books and references (scientific journals, reports, etc.)
google scholar	Electronic references, websites

Course Description Form

1- Course name:		
Pedodontics-5		
2- Course code:		
503PAPD		
3- Year:		
2026-2025		
4- Date of preparation of this description:		
2026-2025		
5- Available forms of attendance:		
In-person education in classrooms, laboratories and clinics		
6- Total number of study hours and total number of unit(s)		
Total number of study hours (theoretical + practical for 30 weeks):120 **Total number of units (theoretical and practical): 5**		
7- Name of the course supervisor(s):		
Asst. Lecturer Sheren Sameer Yousif		**shereen@alameed.edu.iq**
8- Course objectives:		
• **Understanding how to deal with children and help them accept treatment in dental clinics.** • **Understanding how to manage children with special needs.** • **Learning methods of treating various conditions of primary and permanent teeth.** • **Understanding congenital and acquired dental anomalies and how to treat them.** • **Studying the stages of occlusal development and methods of preserving adequate space for the eruption of permanent teeth.** • **Understanding periodontal diseases affecting children and their treatment methods.** • **Learning about modern techniques, materials, and instruments used in pediatric dentistry**		
9- Teaching and learning strategies:		
Feedback from the previous lecture, Text lectures, Presentations, Daily tests, Video Links, and Discussion sessions		

10- Course structure					
Weeks	**Hours**	**Theoretical content**	**Name of unit/course or topic**	**Teaching method**	**Evaluation method**
1	1	Diagnosis and treatment planning	Pedodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
2	1	reliminary medical and dental history	Pedodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
3	1	Art and science of behavior management	Pedodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
4	1	Non pharmacologic management of patient behavior	Pedodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
5	1	Pharmacologic management of patient behavior	Pedodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
6	1	Sedation in pediatric dentistry	Pedodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
7	1	anagement of traumatic	Pedodontics	Textual, presentation, and video lectures (individual and	Short, semester, mid-term

		injuries to the teeth and supporting tissues of children,		collaborative) stimulate critical thinking and active learning	and final exams
8	1	classification of injuries to the anterior teeth of children classification methods of clinical examination	Pedod ontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
9	1	raumatic injuries of the mary teeth and its effect on permanent teeth	Pedod ontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
10	1	Treatment of injury of permanent teeth, emergency treatment, temporary restoration	Pedod ontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
11	1	Advances in Pediatric Dentistry: Advances in diagnostic aids, Advances in cavity preparation methods	Pedod ontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
12	1	Advances in endodontics, Advances in local anesthesia	Pedod ontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
13	1	Advances in restorative materials, Advances in surgical procedures, miscellaneous	Pedod ontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
14	1	Acquired disturbances of oral structures	Pedod ontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

15	1	Acquired disturbances of oral structures	Pedod ontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
16	1	Gingivitis and periodontal disease in children:	Pedod ontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
17	1	Acute candidacies (thrush), acute bacterial infection, chronic non specific gingivitis, gingival diseases modified by systemic factors.	Pedod ontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
18	1	ngival lesions of genetic origin, ascorbic acid deficiency gingivitis	Pedod ontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
19	1	Periodontal diseases in children, early onset periodontitis, prepubertal periodontitis, localized juvenile periodontitis c.	Pedod ontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
20	1	Papillon – Lefevere syndrome, gingival recession, extrinsic stains and deposits on teeth	Pedod ontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
21	1	Management of space problems, planning for space maintenance, loss of primary incisors	Pedod ontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
22	1	. Space Maintenance for the First and Second	Pedod ontics	Textual, presentation, and video lectures (individual and	Short, semester, mid-term

		Primary Molar and the Primary Canine Area, premature loss of second primary molar		collaborative) stimulate critical thinking and active learning	and final exams
23	1	Loss of the Second Primary Molar Before Eruption of the First Permanent Molar, Areas of Multiple Primary Molar Loss	Pedod ontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
24	1	Development of dental arch and occlusion;	Pedod ontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
25	1	;Arch length analysis	Pedod ontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
26	1	Dental problems of the disabled child	Pedod ontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
27	1	Space Maintenance for the First and Second	Pedod ontics		
28	1	Primary Molar and the Primary Canine Area, premature loss of second primary molar	Pedod ontics		
29	1	Non pharmacologic management of patient behavior	Pedod ontics		
30	1	Heart disease, hemophilia, ,sickle cell anemia, viral hepatitis, AIDS, children with systemic diseases	Pedod ontics		

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester has (4) for theoretical, (5) for practical, and (1) for activity and attendance. Mid-year exam (15) theoretical and (5) practical Final exam (20) for practical and (40) for theoretical	
12- Teaching and learning resources:	
	Required textbooks (methodology if any)
McDONALD AND AVERY'S DENTISTRY for CHILD and ADOLESCENT 11th edition by Elsevier Text book of pediatric dentistry Nikhil Marwa 5th ed. 2003	Main References (Sources)
	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites

Course Description Form

1- Course name:		
ORTHODONTICS-5		
2- Course code:		
507OD		
3- Year:		
2026-2025		
4- Date of preparation of this description:		
2026-2025		
5- Available forms of attendance:		
In-person education in classrooms, laboratories and clinics		
6- Total number of study hours and total number of units:		
Total number of study hours (60 + practical 120): 150 Total number of units (theoretical 2 and practical 4): 6		
7- Name of the course supervisor(s):		
Dr.haideraaa@gmail.com	:Email	Name: Haider Ali Hussein
8- Course objectives:		
Acquire knowledge about methods for diagnosing and treating malocclusions Diagnose and treat malocclusions Know the types of orthodontic appliances associated with each case Affective and Value-Based Objectives Solve problems related to malocclusion using removable and functional orthodontic appliances.		
9- Teaching and learning strategies:		
Feedback from the previous lecture, Text lectures, Presentations, Daily tests, Video Links, and Discussion sessions		

Weeks	Hours	Theoretical contents	Name of unit/course or topic	Teaching method	Evaluation method
1	1	Orthodontic diagnosis and :treatment planning a. Personal data (name, age, gender, race, address, reference and chief complaint, motivation, dental and medical history, prenatal history, postnatal history, and (family history	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
2	1	b. Clinical examination i. General body stature ii. Face examination in 3 dimensions (facial proportion, facial divergence, (profile analysis	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
3		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 adenoids	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
4	1	v. Occlusion (classification, (midline, overjet and overbite vi. Dentition (teeth number, position, dental age, wear, (cracks and white spots	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical	Short, semester, mid-term and final exams

		vii. Temporomandibular joint		thinking and active learning	
5		c. Diagnostic aids i. orthopantomography development, advantages,) disadvantages, limitations, (uses ii. Study models (preparation, advantages, disadvantages, (uses	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
6	1	iii. cephalometrics development, cephalostat,) advantages, disadvantages, limitations, uses, tracing and (landmarks iv. Other views: hand wrist and periapical radiographs skeletal maturity,) (localization, root resorption	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
7	1	v. Photography vi. 3D imaging d. Consent form	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
8	1	e. Treatment planning: preventive, interceptive, and corrective orthodontics	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
9	1	:Incisal overbite and crossbite a. Deep bite (types, etiology, (treatment	Orthodontic	Textual, presentation, and video lectures (individual and	Short, semester, mid-term and final exams

				collaborative) stimulate critical thinking and active learning	
10	1	b. Open bite (types, etiology, (treatment, skeletal vs. dental	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
11	1	c. Cross bite and scissors bite types, etiology, treatment,) (skeletal vs. dental	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
12	1	c. Cross bite and scissors bite types, etiology, treatment,) (skeletal vs. dental	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
13	1	<u>Crowding, spacing, space :need</u> a. Types of crowding primary, secondary and) (tertiary	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
14	1	b. Space analysis (in permanent and mixed dentition, space required and	Orthodontic	Textual, presentation, and video lectures (individual and collaborative)	Short, semester, mid-term and final exams

		potential space, methods, (Bolton's ratio		stimulate critical thinking and active learning	
15	1	c. Space creation (molar distalization, expansion, extraction, incisor proclination, proximal stripping, derotation and (uprightening	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
16	1	d. Closure of spaces (molar protraction, incisor retraction, (conservative	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
17	1	e. Teeth extraction in orthodontics (Types: enforced, therapeutic, Wilkinson, balancing and compensating extractions) indications, advantages,) (disadvantages for each tooth f. Serial extraction definition, indications,) procedure, advantages, (limitations	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
18	1	<u>Treatment of common local :factors</u> Including definition, prevalence, etiology, types, effect on occlusion, and treatment (with emphasis :(maxillary canine	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

		a. Extra-teeth (supernumerary) and missing teeth (hypodontia)			
19	1	b. Early loss of deciduous teeth (space maintainers and (space regainers c. Retained deciduous teeth, delayed eruption of permanent teeth, impacted teeth, ankylosis	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
20	1	d. Abnormal eruptive behavior (displacement, (transposition e. Large frenum (labial and (lingual	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
21	1	f. Bad oral habits	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
22	1	:Treatment of general factors a. Class I treatment (etiology, skeletal and soft tissue pattern, dental factors, bimaxillary proclination, (treatment methods and time	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
23	1	a. Class I treatment (etiology, skeletal and soft tissue pattern, dental factors, bimaxillary proclination, (treatment methods and time	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical	Short, semester, mid-term and final exams

				thinking and active learning	
24	1	b. Class II div. 1 treatment etiology, skeletal and soft) tissue pattern, dental factors, habits, treatment methods (and time	Orthod ontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
25	1	c. Class II div. 2 treatment etiology, skeletal and soft) tissue pattern, dental factors, (treatment methods and time	Orthod ontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
26	1	d. Class III treatment etiology, skeletal and soft) tissue pattern, dental factors, (treatment methods and time	Orthod ontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
27	1	Treatment of adults	Orthod ontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
28	1	Periodontal problems and orthognathic surgery	Orthod ontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical	Short, semester, mid-term and final exams

				thinking and active learning	
29	1	Cleft lip and palate	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
30	1	Embryology, classification, dental effects, treatment	Orthodontic	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

11- Course evaluation:

Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester has (4) for theory, (4) for practice, and (2) for .activity and attendance
Mid-term exam)20(
Final exam (20) for practical and (40) for theoretical

12- Teaching and learning resources:

.An Introduction to Orthodontics 5th Edition Simon J .Littlewood and Laura Mitchell 2019 **Orthodontics: Principles and Practice: Principles and Practice 2nd ed. Edition Phulari 2017**	**Main References (Sources)**

Course Description Form

1- Course name:
PROSTHODONTICS-5
2- Course code:
505PR
3- Year:
2026-2025
4- Date of preparation of this description:
2026-2025
5- Available forms of attendance:
In-person education in classrooms, laboratories and clinics
6- Total number of study hours and total number of units:
Total number of study hours (theoretical + practical for 30 weeks): 210 hours Total number of units (theoretical and practical):8Units
7- Name of the course supervisor(s):

Husseinalsharbaty1986@gmail.com	:Email	Name: Dr. Mohammed Hussein Al-Sharbaty

8- Course objectives:
Treatment and then start treatmentIQascienceIAndcorrectIHahaUse of minimal materials and methodsIThthIn the manufacture of the complete set byIQGiving theoretical lecturesIAndWith practice in theITools
9- Teaching and learning strategies:
Text lectures Presentations Video lecture links Clinical Educational Steps Tests

Weeks	Hours	Learning outcomes	Name of unit/course or topic	Teaching method	Evaluation method
1	1	Occlusion in Complete Denture	Prosthodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
2	1	Occlusion in Complete Denture (Continue)	Prosthodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
3	1	Retention, Stability And Support	Prosthodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
4	1	Retention, Stability And Support (Continue)	Prosthodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
5	1	Post Insertion Problems	Prosthodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
6	1	Post Insertion Problems (Continue)	Prosthodontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams

7	1	Complications Of Complete Denture	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
8	1	Complications Of Complete Denture (Continue)	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
9	1	Immediate Denture	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
10	1	Immediate Denture (Continue)	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
11	1	Classification system for completely edentulous patients	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
12	1	Classification system for completely edentulous patients(continue)	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
13	1	Posterior palatal seal area	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
14	1	Single CD	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, semester, mid-year and

				critical thinking and active learning	final theoretical exams
15	1	Single CD (Continue)	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
16	1	Geriatric dentistry	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
17	1	Maxillofacial Prosthesis	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
18	1	Facial Prosthesis (Continue)	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
19	1	Alveolar Ridge Atrophy	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
20	1	Alveolar Ridge Atrophy (Continue)	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
21	1	Dental Implantology	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams

22	1	Dental Implantology (Continue)	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
23	1	Esthetics in CD	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
24	1	Characteristics Of Ideal Materials For Dental Implant	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
25	1	Copy denture	Prostho dontics	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final theoretical exams
26	1	Over Denture	Prostho dontics		
27	1	Over Denture (Continue)	Prostho dontics		
28	1	Neutral zone in CD	Prostho dontics		
29	1	Precision Attachments	Prostho dontics		
30	1	Precision Attachments (Continue)	Prostho dontics		

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester has (4) for theory, (4) for practice, and (2) for .activity and attendance Mid-term exam)20(Final exam (20) for practical and (40) for theoretical	
12- Teaching and learning resources:	
• Zarb, Hobkirk, Eckert, Jacob et al. Prosthodontic treatment for edentulous patients: Complete dentures and implant-supported .prostheses.13th edition 2013 by Mosby, Elsevier Inc	Required textbooks (methodology if any)
• Golden and Driscoll. Treating the complete denture patient. 1st edition 2020 John Wiley & Sons, .Inc	Main References (Sources)
• GPT9 2017. The Glossary of Prosthodontic Terms. J Prosth. Dent • Rahn, Ivanhoe and Plummer. Textbook of complete dentures.6th edition 2009 People's Medical .Publishing House-USA	Recommended supporting books and references (scientific (.journals, reports, etc
PubMed, Cochrane library, Google scholar	Electronic references, websites

Course Description Form

1- Course name:
ORAL MEDICINE
2- Course code:
508OM
3- Year:
2026-2025
4- Date of preparation of this description:
2026-2025
5- Available forms of attendance:
In-person education in classrooms, laboratories and clinics
6- Total number of study hours and total number of units:
Total number of study hours: 150 hours, Total number of units 6 Units
7- Name of the Course supervisor(s):

muaid1985@yahoo.com muaidshamsah087@gmail.com	:Email	Name: A.M.D.Supporter of Abbas

8- Course objectives:
Building a dentist that combines the branches of dentistry and general medicine Examination, diagnosis and treatment of diseases and lesions affecting the face, mouth and jaws, Diagnosis and treatment of temporomandibular joint diseases, their consequences and effects, Determine the procedures and measures to be followed for medical cases that require .intervention with other branches of dentistry, Details of special treatments (Medications) for .each oral disease, including the type, quantity, duration, side effects and interactions, Statement and detailing of the effects of pregnancy and the special needs of each period of pregnancy and their effects on dental interventions
9- Teaching and learning strategies:
Feedback from the previous lecture, Text lectures, Presentations, Daily tests, Video Links, and Discussion sessions

10- Course structure

Weeks	Hours	Required learning outcomes	Name of unit/course or topic	Teaching method	Evaluation method
1 2 3 4	2 2	The principles of oral diagnosis Clinical examinations	Oral medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term, semester and end-of-year exams and .seminars
5 6	2	Laboratory investigations in dentistry	Oral medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term, semester and end-of-year exams and .seminars
7 8 9 10	2 2	Facial pain Neuromuscular disorder	Oral medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term, semester and end-of-year exams and .seminars
11 12	2	TMJ	Oral medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term, semester and end-of-year exams and .seminars
13 14	2	Vesiculobullus lesions	Oral medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term, semester and end-of-year exams and .seminars

15 16	2	White & red lesions	Oral medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term, semester and end-of-year exams and .seminars
17 18	2	Oral cancer	Oral medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term, semester and end-of-year exams and .seminars
19 20	2	Pigmented oral lesions	Oral medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term, semester and end-of-year exams and .seminars
21 22	2	Oral ulceration	Oral medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term, semester and end-of-year exams and .seminars
23 24	2	BMS	Oral medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term, semester and end-of-year exams and .seminars
25 26	2	Salivary glands diseases	Oral medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term, semester and end-of-year exams

					and .seminars
27 28	2	Autoimmune diseases	Oral medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term, semester and end-of-year exams and .seminars
29 30	2	Oral manifestation of allergic reaction	Oral medicine	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, mid-term, semester and end-of-year exams and .seminars

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester has (4) for theory, (4) for practice, and (2) for .activity and attendance **Mid-term exam)20(** **Final exam (20) for practical and (40) for theoretical**	
12- Teaching and learning resources	
Burket's oral medicine. Michael Glick, Martin Greenberg, Peter Lockhart and Stephen Challacombe. .13th edition.2021, Wiley Black well **Bumann, A., & Lotzmann, U. TMJ disorders and .2 orofacial pain. The role of dentistry in a multidisciplinary approach. 2011, Thieme**	**Required textbooks (methodology if any)**
Fundamentals of Occlusion	**Main References (Sources)**

Course Description Form

1- Course name:		
PERIODONTICS-5		
2- Course code:		
506PR		
3- Year:		
2026-2025		
4- Date of preparation of this description:		
2026-2025		
5- Available forms of attendance:		
In-person education in classrooms, laboratories and clinics		
6- Total number of study hours and total number of units:		
Total number of study hours 120 hours, Total number of units 5 Units		
7- Name of the course supervisor(s):		
alizena046@gmail.com	:Email	Name: M. Dr.Zeina Ali Daily
8- Course objectives:		
knowledge of advanced diagnostic methods for Aall special medical conditions with Gums and surrounding teeth, Know how to treat gum and periodontal diseases, knowledge and training in treatment using ultrasonic dental cleaning devices and special tools to remove periodontal pockets and therapeutic operations, materials used in these procedures , Understanding the impact of bite force on gum disease and tooth movement, Knowing how to implant teeth, the gum disease cases associated with these dental implants, treatment methods for simple cases, surgical operations for advanced cases, and methods of preventing these cases, Understanding, treating and preventing tooth sensitivity associated with gum disease, Understanding the impact of healthy and diseased gum conditions on other dental procedures		
9- Teaching and learning strategies:		
Feedback from the previous lecture, Text lectures, Presentations, Daily tests, Video Links, and Discussion sessions		

10- Course structure

Weeks	Hours	Name of unit/course or topic	Theoretical content	Teaching method	Evaluation method
1	2	Gum disease	Diagnosis and classification of periodontal disease	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Practical, short, semester, mid-year and final exams
3	1	Gum disease	Advance diagnosis	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Practical, short, semester, mid-year and final exams
4	2	Gum disease	Tooth mobility	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final practical exams
6	2	Gum disease	Furcation involvement	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final practical exams
8	2	Gum disease	Epidemiology of periodontal disease	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final practical exams
10	2	Gum disease	Immunopathology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final practical exams
12	1	Gum disease	Dentin hypersensitivity	Textual, presentation, and video lectures (individual and collaborative)	Short, semester, mid-year and final practical exams

				stimulate critical thinking and active learning	
13	1	Gum disease	Halitosis	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final practical exams
14	2	Gum disease	Perio& other aspects of dentistry	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final practical exams
16	2	Gum disease	Medical compromised patient	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final practical exams
18	2	Gum disease	Periodontal surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final practical exams
20	1	Gum disease	Laser therapy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final practical exams
21	2	Gum disease	Non-surgical periodontal therapy	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final practical exams
23	1	Gum disease	Cross infection	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final practical exams

24	1	Gum disease	Risk factors in the etiology of periodontal disease	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final practical exams
25	1	Gum disease	Antibiotics in periodontology	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final practical exams
26	2	Gum disease	Healing & regeneration	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final practical exams
28	2	Gum disease	GTR	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final practical exams
30	1	Gum disease	Gingival crevicular fluid	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-year and final practical exams

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester has (4) for theory, (4) for practice, and (2) for .activity and attendance Mid-term exam)20(Final exam (20) for practical and (40) for theoretical	
12- Teaching and learning resources:	
Clinical Periodontology and Implant Dentistry, Seventh-1 Edition, Niklaus P. Lang and Jan Lindhe, 2022 Newman and Carranza's Clinical Periodontology, Thirteen-2 Edition, 2019	Main References (Sources)
Tonetti MS, Greenwell H, Kornman KS. Staging and grading of periodontitis:Framework and proposal of a new classification and case definition. J Periodontol.2018 Jun:89 Suppl 1:S159-S172. doi: JPER.18-0006/10.1002 Chapple ILC, Mealey BL, Van Dyke TE, Bartold PM, Dommisch H, Eickholz P, etal. Periodontal health and gingival diseases and conditions on an intact and a reduced periodontium: Consensus report of workgroup 1 of the 2017 World Workshop on the Classification of Periodontal and Peri-Implant Diseases and Conditions. Clin Periodontol. 2018;45(20):S68-S77. doi: jcpe.12940/10.1111	Recommended supporting books and references scientific) journals, (.reports, etc
PubMed, Cochrane library, Google scholar	Electronic references, websites

Course Description Form

1- Course name:
OPERVATIVE DENTISTRY-5
2- Course code:
504OD
3- Year:
2026-2025
4- Date of preparation of this description:
2026-2025
5- Available forms of attendance:
In-person education in classrooms, laboratories and clinics
6- Total number of study hours and total number of units:
Total number of study hours (theoretical + practical for 30 weeks): 210 Total number of units (theoretical and practical): 8
7- Name of the course supervisor(s):

	:Email	Name: Ahmed Ghanem
Saidfadi310@gmil.com	:Email	Name: Fadi Abdel Razzaq

8- Course objectives:
Knowing how to diagnose in order to reach the appropriate treatment method Understanding critical situations in root canal fillings and how to deal with pain Knowing the consequences of root canal fillings and how to find the appropriate .replacement method Knowing the methods of measuring the length of the teeth and the method of .closing the dental canals Understanding the causes of tooth discoloration and ways to treat it Knowing the types of fixed fixtures and how to choose the appropriate teeth .Knowing the types of dishes and how to move the dishes from the teeth correctly Knowing how to choose the tooth color and the conditions affecting it * .Explaining the problems of dental implants and how to treat them

.Explain the types of dental impressions and the materials used for that
.Knowledge of methods of isolating and treating the gums and surrounding tissues
.Statement of the types of porcelain, how to form it and its uses

9- Teaching and learning strategies:

Feedback from the previous lecture, Text lectures, Presentations, Daily tests, Video Links, and Discussion sessions

10- Course structure:

Weeks	Hours	Theoretical contents	Name of unit/course or topic	Teaching method	Evaluation method
1	1	Endodontic diagnosis	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
2	1	Pain control .in endo	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
3	1	Endodontic radiography	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
4	1	Intracanal instruments (1)	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
5	1	Intracanal instruments (2)	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

6	1	Preparation of RCS	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
7	1	Microbiology	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
8	1	Introduction And Definition Of Fixed Bridges And Comparison With Partial .Denture	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
9	1	Clinical consideration For Bridge Construction	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
10	1	RC filling materials	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
11	1	Obturation of RCS)1(	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
12	1	Obturation of RCS)2(	Dental treatment	Textual, presentation, and video lectures (individual and	Short, semester, mid-term

				collaborative) stimulate critical thinking and active learning	and final exams
13	1	Endo. Emergency treatment	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
14	1	Endo-perio relations	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
15	1	Restoration of endo. treated teeth	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
16	1	Tooth discoloration bleaching &	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
17	1	Advantages and Disadvantage s Of Fixed	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
18	1	Patient Selection And Examination	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
19	1	Types Of Retainer	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term

					and final exams
20	1	Gingival Displacemen .t	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
21	1	Impression Materials And .Procedure	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
22	1	Types Of .Bridge	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
23	1	Tooth discoloration bleaching &	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
24	1	Bite Registration and Articulation	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
25	1	Temporary Restoration	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
26	1	Temporary Bridges	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

27	1	Pontic And Pontic Design	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
28	1	Porcelain .Material	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
29	1	Try In and Shade Selection	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
30	1	Failure in Crown & Bridge	Dental treatment	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

11- Course evaluation	
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester has (4) for theoretical, (5) for practical, and (1) .for activity and attendance **Mid-term exam (20)Final exam (20) for practical and (40) for theoretical**	
12- Teaching and learning resources	
Cohens pathways of the dental pulp. 12th **Contemporary fixed Prosthodontics.2016**	**Required textbooks (methodology if any)**
Textbook of Endodontist.2nd .2010	**Main References (Sources)**
Fundamental of fixed prosthodontics, 2012	**Recommended supporting books and references (scientific (.journals, reports, etc**

Course Description Form

1- Course name:
PREVENTIVE DENTISTRY
2- Course code:
502PD
3- Year:
2026-2025
4- Date of preparation of this description:
2026-2025
5- Available forms of attendance:
In-person education in classrooms, laboratories and clinics
6- Total number of study hours and total number of units:
Total number of study hours (theoretical 30 + practical 60): 120 Total number of units (theoretical 2 + practical 3): 5
7- Name of the course supervisor(s):

Ali_Altaweel@yahoo.com	:Email	Name: Ali Farouk Majeed Al-Tawil

8- Course objectives:
The objectives of teaching preventive dentistry are to enable students to provide comprehensive health care that focuses on preventing oral and dental problems :before they occur. These objectives include **Reinforce basic knowledge:**Provide students with the necessary information about common oral diseases and ways to prevent them to ensure their oral health and the community they serve. Focus on understanding the basic mechanisms that cause oral diseases and teach them how to recognize the early signs and symptoms of these .diseases

Effective practical training: Equipping students with the practical skills needed to effectively implement preventive measures. This includes training in the use of preventive tools such as fluoride, professional tooth brushing techniques, and the .application of protective materials such as cavity sealants

Developing health education skills: Enabling students to educate patients and community members about the importance of oral health and ways to prevent oral diseases. This includes providing proper guidance on oral hygiene and proper .nutrition

Encouraging scientific research: To promote the spirit of scientific research among students by encouraging them to participate in research related to the prevention of oral diseases. The aim is to prepare them to discover new and innovative solutions to .oral health problems

Effective communication with patients: Improving communication skills between students and patients to ensure clear and effective communication of health information. Focusing on building a trusting relationship with patients and providing .the necessary support to ensure their adherence to preventive guidelines

Use of modern technology: Teaching students to use the latest techniques and tools in preventive dentistry. This includes digital techniques for assessing oral health, the .use of lasers in preventive treatment, and modern materials in dental treatment

Providing excellent and effective health care to the community especially elderly and sick patients For people with special needs and methods of treating various cases of primary and permanent teeth

9- Teaching and learning strategies:

1- **Text lectures**
2- **Presentations**
3- **Discussion sessions**
4- **Tests**
5- **Educational clinics**

Weeks	Hours	Theoretical contents	Name of unit/course or topic	Teaching method	Evaluation method
1	1	Preventive dentistry introductio) (n	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
2	1	Etiology of dental caries	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
3	1	Fluoride in Dentistry	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
4	1	Systemic fluoridation (history)	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
5	1	Communal water fluoridation	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
6	1	Fluoride supplements	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
7	1	Topical fluoridation	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
8	1	Self-applied fluoride	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

9	1	Professionally applied fluoride	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
10	1	Toxicity of fluoride	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
11	1	Microbiology of caries	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
12	1	Cariogenic potential of .bact	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
13	1	Fissure sealants	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
14	1	New approach in restorative dentistry	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
15	1	Diet and dental caries	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
Half-year Break					
16	1	Non-sugar sweeteners	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
17	1	Dietary counseling in dental practice	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

18	1	Nutrition and oral health	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
19	1	Nutrition, diet & periodontal disease	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
20	1	Saliva and dental caries	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
21	1	Oral immune system	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
22	1	Oral hygiene measures	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
23	1	Dental Caries developmen t	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
24	1	Diagnosis of caries	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
25	1	Identificatio n of high risk group	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
26	1	Chemo prophylactic agents	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
27	1	Geriatric dentistry	prevention	Textual, presentation, and video lectures (individual and	Short, semester,

				collaborative) stimulate critical thinking and active learning	mid-term and final exams
28	1	Dental health of disabled and medically compromise d child	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
29	1	Health education and motivation	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
30	1	Uses of laser in dentistry	prevention	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, of which each semester has (4) for theory, (4) for practice, and (2) for .activity and attendance **Mid-term exam)20(** **Final exam (20) for practical and (40) for theoretical**	
12- Teaching and learning resources:	
	Required textbooks (methodology if any)
Primary Preventive Dentistry by Harris NO Garcia- • GodoyF-NatheCN 8th Ed.)20014(**Comprehensive preventive dentistry (2012) Edited • by Hardy Limeback** **.Dental care, the disease and clinical management • Olefejerslkov and Edwina kidd., 2"' edition, black .well, 2008**	**Main References (Sources)**

Course Description Form

1- Course name:		
ORAL SURGERY-5		
2- Course code:		
508OS		
3- Year:		
2026-2025		
4- Date of preparation of this description:		
2026-2025		
5- Available forms of attendance:		
In-person education in classrooms, laboratories and clinics		
6- Total number of study hours and total number of units:		
Total number of study hours (theoretical + practical for 30 weeks): 210 Total number of units (theoretical and practical): 8		
7- Name of the course supervisor(s):		
Dr.muntather@gmail.com	:Email	Name: Asst. Prof. Muntadhar Mohsen Abusna
	:Email	Name: Asst. Prof. Dr. Samer Mohammed Majeed
Kamalalturfi@alameed .edu.iq	:Email	Name: M.M. Kamal Saheb Maral
8- Course objectives:		
• How to take a medical history and perform a clinical examination of patients • Knowing the diseases and tumors that affect the mouth, face, jaws, and .temporomandibular joint disorders and how to treat them • Knowledge of facial and jaw bone injuries and fractures and treatment .methods		

- Study of congenital deformities, jaw deformities and methods of .treatment
- Knowledge of all surgical tools, especially those used in tooth extraction

Knowing the methods of tooth extraction, the effect of general diseases and their interactions during the administration of anesthesia or the extraction process, .and how to avoid these complications

9- Teaching and learning strategies:

Text lectures
Presentations
Clinical entry and discussion of clinical cases in oral surgery
Discussion sessions
Training on the king ITInside the laboratories
Tests

Weeks	Hours	Required learning outcomes	Name of unit/course or topic	Teaching method	Evaluation method
1	1	Orofacial pain	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
2	1	Preliminary management of patients with facial fractures	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
3	1	Fractures of the mandible Part 1	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
4	1	Fractures of the mandible Part 2	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
5	1	Fractures of the middle third of facial skeleton Part 1	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
6	1	Fractures of the middle third of facial skeleton Part 2	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

7	1	Dento-alveolar and soft tissue injuries	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
8	1	Preprosthetic surgery Part 1	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
9	1	Preprosthetic surgery Part 2	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
10	1	Potentially malignant disorders of the oral mucosa	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
11	1	Odontogenic diseases of the maxillary sinus	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
12	1	Benign cystic lesions of the oral cavity	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
13	1	Odontogenic tumors	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
14	1	Non-odontogenic tumors and fibro-osseous	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate	Short, semester, mid-term and final exams

		lesions of the jaw		critical thinking and active learning	
15	1	Oral cancer Part 1	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
16	1	Oral cancer Part 2	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
17	1	Implant Treatment: Advanced Concepts Part 1	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
18	1	Implant Treatment: Advanced Concepts Part 2	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
19	1	Salivary gland diseases Part 1	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
20	1	Salivary gland diseases Part 2	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
21	1	Temporomandibular joint (TMJ) disorders Part 1	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams

22	1	Temporomandibular joint (TMJ) disorders Part 2	Oral surgery	Textual, presentation, and video lectures (individual and collaborative) stimulate critical thinking and active learning	Short, semester, mid-term and final exams
23	1	Orthognathic surgery Part 1	Oral surgery		
24	1	Orthognathic surgery Part 2	Oral surgery		
25	1	Cleft lip and palate Part 1	Oral surgery		
26	1	Cleft lip and palate Part 2	Oral surgery		
27	1	Laser and Cryosurgery in oral and maxillofacial surgery	Oral surgery		
28	1	Vascular anomalies	Oral surgery		
29	1	Principles of reconstructive surgery of defects of the jaws Part 1	Oral surgery		
30	1	Principles of reconstructive surgery of defects of the jaws Part 2	Oral surgery		

11- Course evaluation:	
Daily and semester exams (10) for the first semester and (10) for the second semester, and from them there will be for each semester for the theoretical, (4) for the practical, and (1) for activity and attendance (5) Mid-term exam)20(Final exam (20) for practical and (40) for theoretical	
12- Teaching and learning resources	
Contemporary oral surgery	Required textbooks (methodology if (any
Fragiskos in minor oral surgery	(Main References (Sources)
	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites