Ministry of Higher Education and Scientific Research

Scientific Supervision and Evaluation Authority

Quality Assurance and Academic Accreditation Department

International Accreditation Department

Academic Program Description Form for Colleges / Academic year 2024-2025

University name: University of Al-Ameed

College name: College of Dentistry

Number of departments and scientific branches in the college: Seven branches

Date of file filling: 2024

Director of the Quality Assurance
and University Performance Division

Signature

Date / / 2024

Dean

Signature

Date / / 2024

Dean Assistant for Scientific Affairs

Signature

Date / / 2024

File checked by Director of the Quality Assurance and University Performance Department,

Signature

Date / / 2024

Academic Program Description

This academic program description provides a concise summary of the main features of the program and the learning outcomes expected of the student, demonstrating whether he has made the most of the opportunities available. It is accompanied by a description of each course within the program.

1-Educational institution	**Ministry of Higher Education and Scientific Research/ University of Al-Ameed**
2-University Department / Center	**College of Dentistry**
3-Academic Program Name	**dentistry**
4-Final Certificate Name	**Bachelor of Oral and Maxillofacial Surgery**
5-Academic system	**Annual**
6- Certified Accreditation Program	
7-Other external influences	**Professional skills development training courses for students/summer training for two academic years**
8-Description preparation date	**2024-2025**

9- Objectives of the academic Program

A- Cognitive objectives (Knowledge and understanding)

A1- The student acquires comprehensive knowledge of the scientific terminology used in dentistry and theoretical material.
A2-The student will learn about the different types of materials and devices used in the field of dentistry.
A3-Enhance the student's confidence to deal with all types of patients.
A4-Developing the student's ability to deal with different therapeutic cases.
A5-- Enhancing the principle of a group of students participating in discussing a medical condition and how to treat it.
A6- Providing the student with complete knowledge that enables him to prepare an integrated treatment plan for the patient.

B-Program skill objectives

for1- Enhancing professional ethics and dealing with patients among graduates
for2-Students acquire various therapeutic skills.
for3 - Promote the principle of lifelong learning in order to continue developing the profession.

C- Emotional and value goals

A1- Thinking skill according to the student's ability (let think about thinking abilityThe aim of this skill is for the student to believe in what is tangible (student ability) and understand when, what and how he should think and work on improving the ability to think sensibly.

G2-Critical thinking skillcritical thinking) which aims to raise a problem, analyze it logically, and reach the required solution.

A3- The student's awareness of the need to balance freedom and responsibility.

A4- The skill of making the right decision for the benefit of the patient, based on logical thinking.

10- Required teaching, learning and assessment methods

Teaching and learning methods

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

Evaluation methods

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

Teaching and learning methods

- Lectures that engage students and teach them ways to confront and solve problems.
- Monitor students' way of thinking, their ways of expression, and their speed of response.
- Laboratory experiments.
- Self-education

Evaluation methods

- Theoretical tests
- Practical tests
- Reports and studies.

11- Program structure

Description	Module	Code	Units
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	1
	DEMOCRACY AND HUMAN RIGHTS	108HRAD	2
	COMPUTER SCIENCE	109CS	2
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 ENTISTRY-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**

12. Certificates and credit hours

The first stage requires (5901 hour and 33Unit) Accredited
The second stage requires (810hour) and (42 units) accredited
The third stage requires (900hour) and (44Unit) approved
The fourth stage requires (10204 hours)4 units) accredited
The fifth stage requires (1320 hours) and (53) accredited units
Bachelor's degree in Oral and Maxillofacial Surgery requires (4640) hours and (216) study units Accredited for all five years of study.

13.Planning for personal development

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

Leadership: The student should be able to lead, motivate and guide others.

Independence at work: The student should be able to bear responsibility and work independently under various circumstances.

14.Acceptance Criteria (regulations relating to College admission)

Admission criteria include students who have A certain cumulative GPA is determined by the central admission system, and students who have the physical, mental and social ability to manage any medical condition or practice required by the study are selected. Most dental schools require personal interviews with candidates to assess qualities such as the desire to help people, self-confidence, ability to face challenges, ability to work with people and ability to work independently.

15- The most important sources of information about the program

1. College and university website.
2. College Guide.
3. Books and scientific resources of the college.

Curriculum Skills Chart																		
Please tick the boxes corresponding to the individual learning outcomes of the program being assessed.																		
Required learning outcomes of the program																		
General and transferable skills (or) other skills related to employability and personal development				**Thinking skills**				**Subject-specific skills**				**knowledge and understanding**				**essential Or optional**	**Course name**	**Course code**	**Year/Level**
D4	**D3**	**D2**	**D1**	**A4**	**A3**	**A2**	**A1**	**B4**	**B3**	**B2**	**B1**	**A4**	**A3**	**A2**	**A1**				
√	√	√	√	√	√	√	√	√	√	√	√			√	√	**essential**	General anatomyHuman Anatomy	101AN	**First year**
√	√	√	√	√	√	√	√	√	√	√	√			√	√	**essential**	English language and medical terminology English Language and Medical Terminology	102MT	
√	√	√	√	√	√	√	√	√	√	√	√			√	√	**essential**	Computer Science Computer Sciences	103CS	
		√	√			√	√				√			√	√	**essential**	Dental anatomy Dental Anatomy	104DA	
			√			√	√			√	√			√	√	**essential**	Human rights and democracy Human Rights And Democracy	105HRAD	
√	√	√	√	√	√	√	√		√	√	√	√	√	√	√	**essential**	Medicinal Chemistry Medical Chemistry	106CH	
			√	√	√	√	√			√	√	√	√	√	√	**essential**	Medical Physics Medical Physics	107PS	
√	√	√	√	√	√	√	√	√	√	√	√			√	√	**essential**	Computer Science Computer Sciences	203CS	
√	√	√	√	√	√	√	√		√	√	√	√	√	√	√	**essential**	Neighborhoods Medical Biology	108BL	

Curriculum Skills Chart																			
Please tick the boxes corresponding to the individual learning outcomes of the program being assessed.																			
Required learning outcomes of the program																			
General and transferable skills (or) other skills related to employability and personal development				**Thinking skills**				**Subject-specific skills**				**knowledge and understanding**				**essential Or optional**	**Course name**	**Course code**	**Year/Level**
D4	**D3**	**D2**	**D1**	**A4**	**A3**	**A2**	**A1**	**B4**	**B3**	**B2**	**B1**	**A4**	**A3**	**A2**	**A1**				
			√			√	√			√	√		√	√	√	**essential**	Dental material Dental Material	209DM	**Second year**
				√	√	√	√			√	√			√	√	**essential**	Prosthodontics Prosthodontics	210PR	
√	√	√	√	√	√	√	√		√	√	√	√	√	√	√	**essential**	Biochemistry Biochemistry	212BC	
	√	√	√				√			√	√		√	√	√	**essential**	General tissues General Histology	213GH	
			√			√	√				√			√	√	**essential**	General physiology General Physiology	214PH	
√	√	√	√	√	√	√	√	√	√	√	√			√	√	**essential**	Baath crimes Baath Party Crimes	209DE	
		√	√			√	√		√	√	√			√	√	**essential**	Oral tissues Oral Histology	215OH	
√	√	√	√	√	√	√	√	√	√	√	√			√	√	**essential**	General anatomy Anatomy	201AN	

Curriculum Skills Chart																			
Please tick the boxes corresponding to the individual learning outcomes of the program being assessed.																			
Required learning outcomes of the program																			
General and transferable skills (or) other skills related to employability and personal development				**Thinking skills**				**Subject-specific skills**				**knowledge and understanding**				**essential Or optional**	**Course name**	**Course code**	**Year/Level**
D4	**D3**	**D2**	**D1**	**A4**	**A3**	**A2**	**A1**	**B4**	**B3**	**B2**	**B1**	**A4**	**A3**	**A2**	**A1**				
			√			√	√		√	√	√	√	√	√	√	**essential**	Microbiology Microbiology	316MB	**Third year**
			√			√	√			√	√	√	√	√	√	**essential**	Pharmacology Pharmacology	317PC	
√	√	√	√		√	√	√		√	√	√		√	√	√	**essential**	Community medicine Community Dentistry	318CM	
			√			√	√			√	√			√	√	**essential**	Dental treatment Conservative dentistry	319CV	
			√			√	√			√	√			√	√	**essential**	Crowns and Bridges Crown and Bridge	310CB	
			√				√		√	√	√	√	√	√	√	**essential**	Oral x-rays Dental Radiology	320RL	
			√				√		√	√	√		√	√	√	**essential**	General diseases General Pathology	321PA	
			√				√		√	√	√		√	√	√	**essential**	Oral surgery Oral Surgery	322OS	
			√	√	√	√	√			√	√				√	**essential**	Prosthodontics Prosthodontics	310PR	
√	√	√	√		√	√	√		√	√	√		√	√	√	**essential**	Dental ethics Dental Ethics	309DE	

Curriculum Skills Chart																			
Please tick the boxes corresponding to the individual learning outcomes of the program being assessed.																			
Required learning outcomes of the program																			
General and transferable skills (or) other skills related to employability and personal development				**Thinking skills**				**Subject-specific skills**				**knowledge and understanding**				**essential Or optional**	**Course name**	**Course code**	**Year/Level**
D4	**D3**	**D2**	**D1**	**A4**	**A3**	**A2**	**A1**	**B4**	**B3**	**B2**	**B1**	**A4**	**A3**	**A2**	**A1**				
			√				√			√	√		√	√	√	**essential**	General medicine General Medicine	423GM	**Fourth year**
			√				√			√	√		√	√	√	**essential**	General Surgery General Surgery	424GS	
			√				√		√	√	√	√	√	√	√	**essential**	Oral surgery Oral Surgery	422OS	
			√			√	√			√	√		√	√	√	**essential**	Dental treatment Conservative Dentistry	419CV	
			√				√		√	√	√		√	√	√	**essential**	Oral diseases Oral Pathology	425OP	
			√				√				√		√	√	√	**essential**	orthodontics Orthodontic	426OD	
√	√	√	√		√	√	√		√	√	√		√	√	√	**essential**	Pediatric Dentistry Pedodontic	427PE	
√	√	√	√		√	√	√		√	√	√		√	√	√	**essential**	Periodontal diseases and surgery Periodontics	428PT	
			√	√	√	√	√		√	√	√		√	√	√	**essential**	Prosthodontics (Prosthodontics)	410PR	

Curriculum Skills Chart																			
Please tick the boxes corresponding to the individual learning outcomes of the program being assessed.																			
Required learning outcomes of the program																			
General and transferable skills (or) other skills related to employability and personal development				**Thinking skills**				**Subject-specific skills**				**knowledge and understanding**				**essential Or optional**	**Course name**	**Course code**	**Year/Level**
D4	**D3**	**D2**	**D1**	**A4**	**A3**	**A2**	**A1**	**B4**	**B3**	**B2**	**B1**	**A4**	**A3**	**A2**	**A1**				
			√			√	√		√	√	√	√	√	√	√	**essential**	Dental treatment Conservative Dentistry	519CV	**Fifth year**
			√				√		√	√	√		√	√	√	**essential**	Oral medicine Oral Medicine	529OM	
			√			√	√	√	√	√	√			√	√	**essential**	Oral surgery Oral Surgery	522OS	
√	√	√	√	√	√	√	√		√	√	√		√	√	√	**essential**	Pediatric Dentistry Pedodontics	530PAPD	
						√	√		√	√	√		√	√	√	**essential**	Preventive dentistry Prevention	531PD	
			√	√	√	√	√	√	√	√	√	√	√	√	√	**essential**	Prosthodontics Prosthodontics	510PR	
			√				√			√	√				√	**essential**	orthodontics Orthodontics	526OD	
√	√	√	√		√	√	√		√	√	√		√	√	√	**essential**	Periodontal diseases and surgery Periodontics	528PT	

Course Description Form

(The latest curriculum approved by the Deans Committee in 2024)

The first stage		
Number of units	Module	T
2	English languageYZiaandMedical terms	1
6	one thousandYMedical costume	2
6	Medicinal Chemistry	3
6	Medical Biology	4
4	Anatomy	5
6	Dental anatomy	6
2	human rights	7
4	Computer	8
2	Arabic	9

Stage 2		
Number of units	Module	T
4	Dental material	1
6	Biochemistry	2
6	Medical physiology	3
6	Prosthodontics	4
4	Anatomy	5
6	Oral tissues	6
6	Tissues	7
2	Baath Party Crimes	8

Stage 3		
Number of units	Module	T
4	Community Dentistry	1
6	Microbiology	2
6	pharmaceutical	3
4	Oral surgery	4
4	Rays	5
4	Dental treatment	6
6	Diseases	7
4	Prosthodontics	8
2	Dental ethics	9
4	Crowns and bridges	10

Stage Four		
Number of units	Module	T
6	Oral diseases	1
4	Internal medicine	2
6	orthodontics	3
4	General Surgery	4
6	Prosthodontics	5
8	Oral surgery	6
8	Gum disease	7
6	Dental treatment	8
4	pediatrics	9

Stage Five		
Number of units	Module	T
8	Prosthodontics	1
8	Dental treatment	2
8	Oral surgery	3
6	orthodontics	4
5	gum disease	5
5	Pediatric dentistry	6
5	Dental protection	7
6	Oral medicine	8
2	Research methods	9

Course Description Form

1- Course name:		
MEDICAL BIOLOGY		
2- Course code:		
104MB		
3- Year		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live 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 (if more than one name is mentioned)		
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**	**Subject objectives**

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**	**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Required learning outcomes**	**Hours**	**Week**
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Introduction to Biology	2	1
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Bacteria and viruses	2	2
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Bacteria and disease	2	3
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Immune system	2	4
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Parasitology, type of parasites	2	5
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Types of hosts	2	6
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Entamoeba histolytica, and coli	2	7
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Giardia lambelia, Leishmania tropica	2	8
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Plasmodium vivax, Toxoplasma gondii	2	9
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Fasciola hepatica, schistosomaspp	2	10
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Taeniasaginata and solium, Echinococcus granulosus	2	11
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Ascarislumbricoides, Ancylostoma, Enterobius	2	12

Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Cell biology	2	13
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Structure of macromolecules	2	14
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Structure of plasma membrane	2	15
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Half-year Brea	2	16
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Endoplasmic reticulum	2	17
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Mitochondria, Golgi apparatus	2	18
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Nuclear membrane andChromatin	2	19
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Spermatogensis and Oogensis	2	20
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Histology, epithelial tissues	2	21
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Connective tissues	2	22
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Cartilage, bones	2	23
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Blood	2	24
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Muscular tissue	2	25

Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Nerve tissues	2	26
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Genetic and inheritance	2	27
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Hereditary and environment,DNA, RNA	2	28
Midterm and final exams	theoretical lecture	biology	Human karyotypes, chromosomes, mutation	2	29
Short, semester, mid-term and final exams	theoretical lecture Using power point program	biology	Blood groups, genetic engineering, restrictions	2	30

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- Learning and teaching resources	
Cell Biology,3rd edition.2017	**Required textbooks (methodology if any)**
http://histologyguide.com/about-us/sorenson-atlas-of-human-histology-chapter-1.pdf	**Main References (Sources)**
	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites

Course Description Form

1- Course name:		
DENTAL ANATOMY		
2- Course code:		
103DA		
3- Year		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms and laboratories		
6- Total number of study Time and total number of units		
Total number of study Time (theoretical + practical for 30 weeks): Theoretical18Hour + Practical40hour **Total number of units (theoretical and practical): Theoretical 4 units + Practical 2 units**		
7- Name of the course supervisor (if more than one name is mentioned)		
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.		**Subject objectives**
9- Teaching and learning strategies		
1. **Quick review of previous lectures** 2. **Text lectures** 3. **Presentations** 4. **Daily testsAnd the quarterly** 5. **Direct dental carving and training students on carving in laboratories** 6. **Evaluate students' sculpture periodically.**		**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Theoretical content**	**Time**	**Week**
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Dental anatomy	Introduction Nomenclature Heterodent Diphyodont The Deciduous Teeth The Permanent Teeth Anterior and Posterior Teeth The Jaw	2	1-2
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Dental anatomy	Numbering Systems 1. Universal notation system. 2. Palmer notation system. Crown and Root Dental pulp. Anatomical crown. Surfaces and Ridges	2	3-4
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Dental anatomy	Anatomical Landmarks Cusp, Tubercle, Cingulum, Ridge, Fossa, Developmental groove, Pit	2	5-6
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Dental anatomy	Permanent Maxillary Central Incisor Characteristic features of incisor's crown Permanent Maxillary Central Incisor Key identifying features	2	7-8

Short, semester, mid-term and final exams	Theoretical lecture using power point program	Dental anatomy	Permanent Maxillary Lateral Incisor Principal identifying features(Labial Aspect, Mesial Aspect, Distal Aspect, Lingual Aspect, Incisal Aspect). Variations from the typical form (Anomalies)	2	9-10
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Dental anatomy	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	2	11-12
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Dental anatomy	Permanent Canines General Characteristic Features of the Canines The Permanent Maxillary Canine Key Identifying Features The Permanent Mandibular Canine Principal Identifying Feature	2	13-14
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Dental anatomy	Permanent Maxillary Premolars Some characteristic features to all posterior teeth Maxillary First Premolar Key identification features: Maxillary Second Premolar Key identifying features	2	15-16

Short, semester, mid-term and final exams	Theoretical lecture using power point program	Dental anatomy	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	2	17-18
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Dental anatomy	Permanent Mandibular Second Premolar Key Identifying Features	2	19-20
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Dental anatomy	Permanent Maxillary Molars Maxillary First Molar Key Identifying Features Maxillary second molar	2	21-22
Short and midterm exams	theoretical lecture	Dental anatomy	Permanent Mandibular Molars Mandibular First Molar Key Identifying Features	2	23=24
Short and midterm exams	theoretical lecture	Dental anatomy	Permanent Mandibular Second Molar Key Identifying Features Mandibular Third Molar Key Identifying Features	2	25-26
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Dental anatomy	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	2	27-28

Short, midterm, and final exams	theoretical lecturepoint	Dental anatomy	Pulp Cavities Pulp Cavities of the Maxillary Teeth Pulp Cavities of the Mandibular Teeth	2	29-30

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- Learning and teaching resources
	Required textbooks (methodology if any)
1. Woelfel's dental anatomy, its relevance to dentistry. by Rickne C Scheid. **2. Wheeler's Atlas of Tooth Form By Major M Ash.**	**Main References (Sources)**
	Recommended supporting books and references (scientific journals, reports, etc.)
Dental carving and drawing videos available on several sites, including YouTube.	**Electronic references, websites**

Course Description Form

1- Course name:		
ANATOMY-1		
2- Course code:		
102AN		
3- Year		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms and laboratories		
6- Total number of study Time and total number of units		
Total number of study Time (theoretical + practical for 21 weeks): 90 Time **Total number of units (theoretical and practical): 4**		
7- Name of the course supervisor (if more than one name is mentioned)		
drsermad@gmail.com	**Email:**	**Name: Dr. Sarmed Jafar Mohammed Al-Rubaie**

8- Course objectives	
1. **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.** 2. **Explain the importance of anatomy in relation to surgical and dental applications.**	**Subject objectives**

9- Teaching and learning strategies	
1- **Text lectures** 2- **Presentations** 3- **Teaching students general human anatomy and body systems within the prescribed curriculum using visual aids such as pictures and anatomical models.** 4- **Discussion sessions** 5- **Training on the king ITInside the laboratories** 6- **Tests**	**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Required learning outcomes**	**Time**	**Week**
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General anatomy	Introduction	2	1
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General anatomy	Basic structures	2	2
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General anatomy	Basic structures	1	3
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General anatomy	Basic structures	1	4
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General anatomy	Skull	2	5
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General anatomy	Skull	2	6
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General anatomy	Skull	1	7
Short, semester, mid-term	theoretical lecture Using power	General anatomy	Skull	1	8

and final exams	point program				
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General anatomy	Skull	1	9
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General anatomy	Skull	1	10
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General anatomy	Vertebral column	1	11
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General anatomy	Vertebral column	2	12
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General anatomy	Maxillae and Mandible	2	13
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General anatomy	Thorax	2	14
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General anatomy	Thorax	1	15
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General anatomy	Diaphragm and lungs	2	16

Short, semester, mid-term and final exams	theoretical lecture Using power point program	General anatomy	Major vessels and nerves	2	17
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General anatomy	Nervous system	1	18
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General anatomy	Abdominal wall and cavity	1	19
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General anatomy	Reproductive system	1	20
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General anatomy	Lymphatic system	1	21

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- Learning and teaching 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		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms and laboratories		
6- Total number of study Time and total number of units		
Total number of study Time (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 (if more than one name is mentioned)		
Ahmed.twayej@alameed.edu.iq	**Email:**	**Name: Asst. Prof. Dr. Ahmed Jassim Mohammed**

8- Course objectives	
. To learn the basic concepts of medicinal chemistry. **. studyMethods of finding concentrations of chemicals and types of chemical titrations.** **. knowledgeBasic principles of quantitative and qualitative methods of analysis in analytical chemistry.** **. Inferring what is studied theoretically through scientific experiments in the private laboratory of medicinal chemistry.** **Enabling the student to m.customAndtheAcidsAnd thepromisingWith its theories and explains its behaviorsandStudy their properties such as ionic equilibrium and buffer solutions..** **. identificationStudentsStructuresChemistryFor particles VitalIts importance in buildingCellsThe KayNatLife and howIts interconnectedness To form molecules The big one For cellsAnd know the ways to detect and distinguish them selectivelyAnd its applications The process PurposefultoDevelopmentKeeping pace with the scientific development of chemistryMedical.** **. teaching And educationStudents on all informationessentialAnd the necessary for the chemistry materialMedicalWhich qualifies them to work and research in all fields of chemistry.Vital.**	**Subject objectives**
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.**	**Strategy**

.SupplyStudentsBasically And the topicsAdditional related to outputsThinking And analysis ChemistLife. **.Forming discussion groups during lectures to discuss biochemistry topics that require thinking and analysis.** **.Ask students a series of thinking questions during lectures such as what, how, when and why for specific topics.** **.Giving students homework that requires self-explanations in causal ways** **. Following up on the students' way of thinking and breaking 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 chemically.** **.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					
Evaluation method	**Teaching method**	**Module**	**Required learning outcomes**	**Time**	**Week**
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	Acid, Base and Salt	2	1
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	salts, preparation of salts	2	2
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	Fluid and electrolyte	2	3
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	Buffer-pH and Acid-Base Balance	2	4
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	acid-base balance and blood pH	2	5
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	Colloids and colloidal dispersions	2	6
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	Molar concentration (Molarity)	2	7
Short, semester, mid-term	theoretical lecture Using power	chemistry	Chirality in biological systems	2	8

and final exams	point program				
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	Pollution	2	9
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	Radiochemistry	2	10
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	Alkanes and Cycloalkanes	2	11
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	Alkenes and Alkynes	2	12
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	Aromatic compounds	2	13
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	Aromatic compounds in nature	2	14
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	Stereoisomers of Carbon	2	15
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	Diastereomers	2	16

Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	Phenols (preparation, reactions)	2	17
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	Carboxylic Acids And Their Derivatives	2	18
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	Amides	2	19
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	Aldehydes and ketones	2	20
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	Carbohydrates	2	21
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	Monosaccharide's	2	22
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	Disaccharides	2	23
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	Lipids	2	24
Short, semester, mid-term	theoretical lecture Using power	chemistry	Derived lipids	2	25

and final exams	point program				
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	Proteins and Amino Acids	2	26
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	Amino acids	2	27
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	Nucleic Acids	2	28
Short, semester, mid-term and final exams	theoretical lecture Using power point program	chemistry	Acid, Base and Salt	2	29

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- Learning and teaching 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		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms and laboratories		
6- Total number of study Time and total number of units		
Total number of study Time (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 (if more than one name is mentioned)		
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**		**Subject objectives**
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.**		**Strategy**

.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					
Evaluation method	**Teaching method**	**Module**	**Required learning outcomes**	**Time**	**Week**
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	*Force on & in body:* Static forces:(type of levers with medical examples). Dynamic forces *(Centrifuge)	2	1
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	*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 fluid, coefficient of a joint).	2	2
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	*Heat and cold in medicine:* .	2	3
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	*Energy, work and power of the body:*. Work and power. Efficiency heat losses from the body. Anaerobic phase and aerobic phase. Hypothalamus (body's thermostat). Heat lost by (radiation, convection, evaporation of sweat and respiration).	2	4

Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	*Energy, work and power of the body:*	2	5
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	*Pressure:*	2	6
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	*Pressure:*	2	7
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	*Electricity within the body:*	2	8
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	*Electricity within the body:*	2	9
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	*Sound in medicine:* Ultrasound (A-scan, B-scan, M-scan and Doppler effect). Physiological effect of ultrasound in therapy.	2	10
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	*Sound in medicine:* Ultrasound (A-scan, B-scan,	2	11
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	*Sound in medicine:* Ultrasound (A-scan, B-scan,	2	12

Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	*Physics of the ear and hearing:*Defective vision, audits correlation (short and long sight, Astigmatism, contact lenses, prescription glasses. Color vision and chromatic aberration (color blindness, purkinje effect, and ocular chromatic aberration). Ophthalmoscope.	2	13
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	*Physics of the ear and hearing:*	2	14
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	*Light in medicine:*	2	15
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	*Light in medicine:*	2	16
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	*Laser in medicine*What is laser?	2	17
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	*Physics of diagnostic X-ray:*	2	18
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	*Physics of diagnostic X-ray:*	2	19

Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	*Physics of diagnostic X-ray:*	2	20
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	*Physics of diagnostic X-ray:*	2	21
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	*Physics of nuclear medicine:*	2	22
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	Brach therapy, quality factor (QF).	2	23
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	Principles of radiation therapy.	2	24
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	The dose units (Rad and Gray).	2	25
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	*Physics of radiation therapy:*	2	26
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	Radiation protection	2	27
Short, semester, mid-term and final exams	theoretical lecture Using	physics	Radiation effects of ionizing radiation	2	28

	power point program				
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	Radioactive materials (Radon gas).	2	29
Short, semester, mid-term and final exams	theoretical lecture Using power point program	physics	*Pollution:*Natural occurrence of	2	30

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- Learning and teaching 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		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Direct face-to-face education in classrooms and laboratories, and indirect education via e-learning platforms.		
6- Total number of study Time and total number of units		
Total number of study Time (theoretical + practical for 30 weeks):90hour **Total number of units (theoretical and practical): 4 units**		
7- Name of the course supervisor (if more than one name is mentioned)		
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.		**Subject objectives**
9- Teaching and learning strategies		
1. **Quick review of previous lectures** 2. **Text lectures** 3. **Presentations** 4. **Daily testsAnd the quarterly**		**Strategy**

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

Practical exams	Computer Labs	Computer Science	Using Windows Accessories	2	9
Practical exams	Computer Labs	Computer Science	A look at Control Panel	2	10
Practical exams	Computer Labs	Computer Science	Widows Explorer	2	11
Practical exams	Computer Labs	Computer Science	libraries	2	12
Practical exams	Computer Labs	Computer Science	Introduction about Microsoft Word A look at Microsoft Word /Editing Document	2	13
Practical exams	Computer Labs	Computer Science	Formatting Text/	2	14
Practical exams	Computer Labs	Computer Science	Formatting paragraphs	2	15
Practical exams	Computer Labs	Computer Science	Proofing documents	2	16
Practical exams	Computer Labs	Computer Science	Adding Tables	2	17
Practical exams	Computer Labs	Computer Science	Inserting Graphic Elements	2	18
Practical exams	Computer Labs	Computer Science	Controlling page appearance	2	19
Practical exams	Computer Labs	Computer Science	Introduction about Excels /A Look at Microsoft Excel	2	20
Practical exams	Computer Labs	Computer Science	Modifying A Worksheet /performing Calculations	2	21
Practical exams	Computer Labs	Computer Science	Formatting a worksheet/ Developing a workbook	2	22
Practical exams	Computer Labs	Computer Science	Printing Workbook Contents/Customizing Layout	2	23

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

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- Learning and teaching resources	
	Required textbooks (methodology if any)
Microsoft tutorial book	**Main References (Sources)**
	Recommended supporting books and references (scientific journals, reports, etc.)
https://www.w3schools.com/	**Electronic references, websites**

Course Description Form

1- Course name:		
ENGLISH LANGUAGE AND MEDICAL TERMINOLOGY		
2- Course code:		
107EL		
3- Year		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms, laboratories and clinics		
6- Total number of study Time and total number of units		
Total number of study Time (theoretical + practical for 30 weeks):30hour **Total number of units (theoretical and practical):2Units**		
7- Name of the course supervisor (if more than one name is mentioned)		
basimzwain@alameed.edu.iq	**Email:**	**Prof. Dr. Basem Mutab Hadi**
hintaws@alameed.edu.iq	**Email:**	**M. Salman Hantaw Abdul Hussein**

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.**	**Subject objectives**
9- Teaching and learning strategies	
7- Text lectures **8- Presentations** **9- Video lecture links** **10- Discussion sessions** **11- Tests**	**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Subject vocabulary**	**Time**	**Week**
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Medical terms	• 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. **1.** State the rules for construction of the medical words. Roots of medical and dental words. **2.** Suffixes: Dental, Surgical, Diagnostic, ...etc. **3.** Suffixes: Adjective, and Noun. **4.** Suffixes:Singular versus Plural. **5.** Prefixes: Adjective Metric, Numbers, Positions, Time, Directions and Colors • Divide medical words into their component parts. Use multiple words' roots in a compound word.	1	1
For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	English language	Direct and indirect speech	1	2
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Medical terms	• Revision of listing and defining important prefixes that deal with, numbers, colors, positions, and directions. • Learn standard medical and dental terms: Direction of movement, position, and anatomical posture, and planes. Define, spell, and pronoun medical terms used in this lecture.	1	3
For short, semester, mid-year and final theory exams	Theoretical lecture using power	English language	Common Mistakes	1	4

	point program				
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Medical terms	• 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.	1	5
For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	English language	Passive voice	1	6
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Medical terms	The integumentary system • Definition and parts of this system • Function and disorders. Spell, pronounce, and explain important common terms in this system.	1	7
For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	English language	Adjectives	1	8
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Medical terms	Gastrointestinal System • Definition and parts of this system. • Function and disorders. Spell, pronounce, and explain important common terms in this system.	1	9
For short, semester, mid-year	Theoretical lecture	English language	Integrating a quotation into an essay	1	10

and final theory exams	using power point program				
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Medical terms	Oral and Dental Terminology • Definition. • Main Branches of Dentistry	1	11
For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	English language	Prepositions in English Grammar with examples	1	12
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Medical terms	• Teeth surfaces. • Common conditions that affect the oral cavity. Spell, pronounce, and explain important terms related to each branch in dentistry	1	13
For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	English language	Idioms and Phrases-I	1	14
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Medical terms	CARDIOVASCULAR SYSTEM • Definition and parts of this system. • Function and disorders. • Spell, pronounce, and explain important common terms in this system.	1	15

For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	English language	Writing assignment-I	1	16
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Medical terms	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 • Definition and parts of this system. • Function and disorders. • Spell, pronounce, and explain important common terms in this system.	1	17
For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	English language	Synonyms in English-I	1	18
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Medical terms	Skeletal system • Definition and parts of this system. • Function and disorders. Spell, pronounce, and explain important common terms in this system.	1	19
For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	English language	Pronunciation rules	1	20
Short, semester, mid-year	theoretical lecture	Medical terms	Muscular system • Definition and parts of this system.	1	21

and final theoretical exams	Using power point program		• Function and disorders. Spell, pronounce, and explain important common terms in this system.		
For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	English language	Tenses	1	22
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Medical terms	Nervous system • Definition and parts of this system. • Function and disorders. • Spell, pronounce, and explain important common terms in this system.	1	23
For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	English language	Essay writing skills	1	24
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Medical terms	Genitourinary System • Definition and parts of this system. • Function and disorders. • Spell, pronounce, and explain important common terms in this system.	1	25
For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	English language	Idioms and Phrases-II	1	26

Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Medical terms	Endocrine System • Definition and parts of this system. • Function and disorders. • Spell, pronounce, and explain important common terms in this system.	1	27
For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	English language	Writing assignment-I	1	28
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Medical terms	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.	1	29
For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	English language	Synonyms in English-II		30

11- Course evaluation	
The subject is theoretical only, and the daily and semester exams have (10) marks distributed as follows:5) for the first chapter and (5) For the second semester, including (2) for activity and attendance. Mid-term exam (20) Final exam (20) for practical and (40) for theoretical	
12- Learning and teaching resources	
	Required textbooks (methodology if any)
	Main References (Sources)
	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites

Course Description Form

1- Course name:		
ARABIC LANGUAGE		
2- Course code:		
101AL		
3- Year		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education inside classrooms.		
6- Total number of study Time and total number of units		
Total number of study Time (duration 30 weeks) **Total number of units: 2**		
7- Name of the course supervisor (if more than one name is mentioned)		
rami.alasadi@alameed.edu.iq	**Email:**	**Name: M.M. Rami Mohammed Jawad Abdullah**
8- Course objectives		
Improve grammar skills **Developing rhetoric skills.** **Understanding literary texts.** **Text analysis.** **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** **Enhance written communication skills** **Develop oral communication skills** **Improve listening and comprehension skills** **Enhancing administrative writing.**		**Subject objectives**
9- Teaching and learning strategies		
Text lectures **Presentations** **Monthly tests** **Video Links**		**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Subject vocabulary**	**Time**	**Week**
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Arabic	Literary topics: Badr Shakir al-Sayyab: The poet's life with a poem and critical commentary	1	1
For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	Arabic	Nazik Al-Malaika: The Poet's Life with a Poem and Critical Commentary	1	2
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Arabic	Al-Jawahiri: The Poet's Life with a Poem and Critical Commentary	1	3
For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	Arabic	Grammar topics Nominal sentence	1	4
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Arabic	verbal sentence	1	5
For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	Arabic	The beginner	1	6
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Arabic	the news	1	7
For short, semester, mid-	Theoretical lecture using	Arabic	Copyists	1	8

year and final theory exams	power point program				
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Arabic	Original and subsidiary signs in the noun and the present tense verb	1	9
For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	Arabic	Sub-tags in noun and verb present tense	1	10
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Arabic	Sub-accusative signs	1	11
For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	Arabic	Subordinate prepositions	1	12
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Arabic	Subordinate Jazm marks	1	13
For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	Arabic	Morphological topics Derivatives	1	14
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Arabic	Active participle	1	15
For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	Arabic	Exaggeration forms	1	16
Short, semester, mid-	theoretical lecture Using	Arabic	participle	1	17

year and final theoretical exams	power point program				
For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	Arabic	bare and augmented verb	1	18
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Arabic	Masculine, feminine and signs of femininity	1	19
For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	Arabic	Incomplete noun Defective noun plural	1	20
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Arabic	shortened noun Plural of the defective noun	1	21
For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	Arabic	Extended noun Extended noun plural	1	22
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Arabic	Crushing plurals	1	23
For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	Arabic	Spelling topics. Deletion and addition Letters that are deleted	1	24
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Arabic	Letters that are added	1	25

For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	Arabic	Alif maqsura and alif maddah	1	26
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Arabic	The closed taa and the open taa	1	27
For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	Arabic	Dhad and Dhad	1	28
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Arabic	Hamza and its rules	1	29
For short, semester, mid-year and final theory exams	Theoretical lecture using power point program	Arabic	punctuation marks	1	30

11- Course evaluation	
Midterm exams (5) for the first semester and (5) for the second semester, including: **Mid-term exam (20)** **Final Exam (70)**	
12- Learning and teaching resources	
The approved ministerial curriculum	**Required textbooks (methodology if any)**
Explanation book by Ibn Aqil	**Main References (Sources)**
Administrative correspondence book	**Recommended supporting books and references (scientific journals, reports, etc.)**
	Electronic references, websites

Course Description Form

1- Course name:		
DEMOCRACY AND HUMAN RIGHTS		
2- Course code:		
108HRAD		
3- Year		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms, laboratories and clinics		
6- Total number of study Time and total number of units		
Total number of study Time (theoretical for 30 weeks):30hour **Total number of units:2Units**		
7- Name of the course supervisor (if more than one name is mentioned)		
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**	**Subject objectives**	
9- Teaching and learning strategies		
1- Text lectures **2- Presentations** **3- Discussion sessions** **4- Tests**	**Strategy**	

10-Course structure					
Evaluation method	**Teaching method**	**Module**	**Required learning outcomes**	**Time**	**Week**
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	Introduction / Chapter One: Human Rights Chapter One / Human Rights in Ancient Civilizations Chapter One: Human Rights in Greek and Egyptian Civilizations The first requirement / human rights in Greek civilization The second requirement / human rights in ancient Egyptian civilization Chapter Two: Human Rights in Ancient Civilizations	2	1
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	Chapter Two / Human Rights in Divine Laws and Religions Chapter One: Human Rights in Christianity and Judaism Chapter Two: Human Rights in Islam	2	2
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	Chapter Three / Sources of Human Rights Chapter One / International Sources The first requirement / Universal Declaration of Human Rights	2	3
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	The second requirement / the two international covenants on human rights	2	4
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	Section Two / National Sources The first requirement / French Declaration of the Rights of Man and of the Citizen (August 26, 1789)	2	5
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	The second requirement: French constitutions and declarations that followed the Declaration of Rights of 1789.	2	6

Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	The third requirement / Constitution of the Republic of Iraq for the year 2005	2	7
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	Chapter Four / Human Rights Guarantees Chapter One: Human Rights Guarantees at the Domestic Level The first requirement / constitutional guarantees	2	8
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	The second requirement / judicial guarantees	2	9
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	Section Two: Human Rights Guarantees in Islam The first requirement: Adopting the principle of dual responsibility in Islamic society The second requirement: the religious nature of Islamic law	2	10
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	The third requirement: Some Islamic systems are in the interest of the individual, the group, and the ruling authorities.	2	11
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	Section Three: Human Rights Guarantees at the International Level The first requirement / the United Nations Charter The second requirement / the United Nations General Assembly	2	12
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	Third request / Economic and Social Council The fourth requirement / Human Rights Council	2	13
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	Section Four: The Role of Regional Organizations in Protecting Human Rights The first requirement / European Convention on Human Rights	2	14

Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	The second requirement / the American Convention on Human Rights The third requirement / African Charter on Human and Peoples' Rights The fourth requirement / the Arab Charter on Human Rights Chapter Five / The Future of Human Rights Chapter One: Technological progress and its impact on rights and freedoms	2	15
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	The first requirement / political parties and human rights The second requirement / the role of media and upbringing	2	16
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	Chapter Two: Globalization and Human Rights First requirement / privacy and human rights The second requirement / hegemony and human rights	2	17
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	Chapter One / The Concept of Democracy, Its Development, Definition and Dimensions Chapter One: The Roots of the Concept of Democracy and Its Development	2	18
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	Section Two / Definition of Democracy	2	19
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	The third topic / Democracy between universality and privacy	2	20
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	Chapter Two / Forms of Democracy First research / direct democracy The first requirement / the content of direct democracy	2	21

			The second requirement / applications of direct democracy The third requirement / assessing the direct democracy system		
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	Section Two: Semi-direct Democracy The first requirement / the concept of semi-direct democracy Plated II / Manifestations of Semi-Direct Democracy	2	22
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	The third requirement / assessing the semi-direct democracy system The third topic / representative democracy	2	23
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	The first requirement / the concept of the representative system and its legal nature The second requirement / pillars of the representative system	2	24
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	The third requirement / forms of the parliamentary representative system	2	25
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	Section Four / Parliament The first requirement / the single-chamber system and the two-chamber system The second requirement is the internal organization of the House of Representatives.	2	26
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	Chapter Three / The mechanism of the parliamentary representative system: elections Chapter One: The Concept of Election and its Legal Adaptation One requirement / concept of election The second requirement / legal adaptation of the election Section Two / Electoral Body The first requirement / the concept of the electoral body	2	27

			The second requirement / Formation of the electoral body		
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	The third requirement / candidates for election Section Three: Organizing the Election Process The first requirement / defining electoral districts The second requirement / electoral districts The third requirement / candidates	2	28
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	The fourth requirement / the election campaign Fifth requirement / Voting Section Four / Organizing Elections The second requirement / individual election and election by list The third requirement / the majority system and the proportional representation system The fourth requirement / the system of representing interests Fifth requirement / Voting system: optional and compulsory voting Requirement Six / Secret Voting and Public Voting System Islamic ruler specifications	2	29
Short, semester, mid-term and final exams	theoretical lecture Using power point	human rights	Water management awareness The phenomenon of addiction and its effects on society	2	30

11- Course evaluation	
The subject is theoretical only, and the daily and semester exams have (10) marks distributed as follows:5) for the first chapter and (5) For the second semester, including (2) for activity and attendance. Mid-term exam (20) Final exam (20) for practical and (40) for theoretical	
12- Learning and teaching resources	
The approved ministerial curriculum	Required textbooks (methodology if any)
Book of rightsnoHumanFor the authorHamid Hanoun	Main References (Sources)
Book of rightsnoHumanFor the author ALee Youssef Al-Shukri	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites

Course Description Form

1- Course name:		
DENTAL MATERIALS		
2- Course code:		
202DM		
3- Year		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms and laboratories		
6- Total number of study Time and total number of units		
Total number of study Time (theoretical + practical for 30 weeks):90hour **Total number of units (theoretical and practical):4Units**		
7- Name of the course supervisor (if more than one name is mentioned)		
	Email:	**Name: M.M. Haider Ali Al-Nasrawi**
	Email:	**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.**		**Subject objectives**
9- Teaching and learning strategies		
5- Text lectures **6- TStudent introduction to various types of dental materials** **7- Providing the necessary information to deal with these materials. Providing instructions and following up on the process of using Modules, mixing them, and following up on the reactions they undergo.ModuleTo reach the end of the interaction** **8- Description of the tools used to prepare all materials** **9- Teaching the student how to use it and following up with him while working**		**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Required learning outcomes**	**Time**	**Week**
Short, midterm, semester and final exams.	Lectures, text lectures, presentations, and as for the laboratory, there is direct interaction with Modules and their uses.	Dental materials	Introduction to dental materials Physical, mechanical, chemical and biological properties of dental materials	1	1
Short, midterm, semester and final exams.	Lectures, text lectures, presentations, and as for the laboratory, there is direct interaction with Modules and their uses.	Dental materials	Gypsum products	1	2
Short, midterm, semester and final exams.	Lectures, text lectures, presentations, and as for the laboratory, there is direct interaction with Modules and their uses.	Dental materials	Investment materials	1	3
Short, midterm, semester and final exams.	Lectures, text lectures, presentations, and as for the laboratory, there is direct interaction with Modules and their uses.	Dental materials	Impression materials	1	4
Short, midterm, semester and final exams.	Lectures, text lectures, presentations, and as for the laboratory, there is direct interaction	Dental materials	Impression compound Zinc oxide -eugenol	1	5

	with Modules and their uses.				
Short, midterm, semester and final exams.	Lectures, text lectures, presentations, and as for the laboratory, there is direct interaction with Modules and their uses.	Dental materials	Elastic impression material .	1	6
Short, midterm, semester and final exams.	Lectures, text lectures, presentations, and as for the laboratory, there is direct interaction with Modules and their uses.	Dental materials	Elastomeric impression material	1	7
Short, midterm, semester and final exams.	Lectures, text lectures, presentations, and as for the laboratory, there is direct interaction with Modules and their uses.	Dental materials	Filling materials	1	8
Short, midterm, semester and final exams.	Lectures, text lectures, presentations, and as for the laboratory, there is direct interaction with Modules and their uses.	Dental materials	Composite filling materials.	1	9
Short, midterm, semester and final exams.	Lectures, text lectures, presentations, and as for the laboratory, there is direct interaction with Modules and their uses.	Dental materials	Posterior filling materials	1	10

Short, midterm, semester and final exams.	Lectures, text lectures, presentations, and as for the laboratory, there is direct interaction with Modules and their uses.	Dental materials	Properties of set amalgam	1	11
Short, midterm, semester and final exams.	Lectures, text lectures, presentations, and as for the laboratory, there is direct interaction with Modules and their uses.	Dental materials	Metallic denture base materials	1	12
Short, midterm, semester and final exams.	Lectures, text lectures, presentations, and as for the laboratory, there is direct interaction with Modules and their uses.	Dental materials	Alternative of gold alloys Metal ceramic alloys	1	13
Short, midterm, semester and final exams.	Lectures, text lectures, presentations, and as for the laboratory, there is direct interaction with Modules and their uses.	Dental materials	Titanium and Titanium alloys	1	14
Short, midterm, semester and final exams.	Lectures, text lectures, presentations, and as for the laboratory, there is direct interaction with Modules and their uses.	Dental materials	Non metallic denture base	1	15
Short, midterm,	Lectures, text lectures, presentations, and	Dental materials	Denture base resin	1	16

semester and final exams.	as for the laboratory, there is direct interaction with Modules and their uses.		Old materials used to constrict denture		
Short, midterm, semester and final exams.	Lectures, text lectures, presentations, and as for the laboratory, there is direct interaction with Modules and their uses.	Dental materials	Properties of heat cure Light activated resin	1	17
Short, midterm, semester and final exams.	Lectures, text lectures, presentations, and as for the laboratory, there is direct interaction with Modules and their uses.	Dental materials	Waxes	1	18
Short, midterm, semester and final exams.	Lectures, text lectures, presentations, and as for the laboratory, there is direct interaction with Modules and their uses.	Dental materials	Temporary filling	1	19
Short, midterm, semester and final exams.	Lectures, text lectures, presentations, and as for the laboratory, there is direct interaction with Modules and their uses.	Dental materials	Cements	1	20
Short, midterm, semester and final exams.	Lectures, text lectures, presentations, and as for the laboratory, there is direct interaction	Dental materials	Tissue conditioner	1	21

	with Modules and their uses.				
Short, midterm, semester and final exams.	Lectures, text lectures, presentations, and as for the laboratory, there is direct interaction with Modules and their uses.	Dental materials	Polishing and Abrasives	1	22

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- Learning and teaching resources	
• **Phillips applied dental material** • **Restorative dental material** • **Dental material their selection and use**	**Required textbooks (methodology 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.)**
	Electronic references, websites

Course Description Form

1- Course name:		
ORAL HISTOLOGY		
2- Course code:		
203OH		
3- Year		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms, laboratories and clinics		
6- Total number of study Time and total number of units		
Total number of study Time (60 + practical 60):120 **Total number of units (theoretical 4 and practical 2):6**		
7- Name of the course supervisor (if more than one name is mentioned)		
dheyaaalhajjar@gmail.com **alhussainali1996@gmail.com**	**Email:** **Email:**	**Name: Diaa Rashid Ali** **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. **Objectives:** **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.**	**Subject objectives**
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.**	**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Required**	**Time**	**Week**
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Slide preparation: Sectioning,Staining Development of the teeth Morphogenesis and Histogenesis	Oral tissues	1	1
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Enamel: physical and chemical characters Amelogenesis, ameloblast life cycle Clinical consideration: Genetic and local factors	Oral tissues	1	2
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Dentine:Physical and chemical properties Dentinogenesis: Different kinds of dentine Odontoblast life cycle, innervations theories	Oral tissues	1	3
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Pulp: Formation and development Pulp stone, clinical consideration	Oral tissues	1	4
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Root formation Clinical consideration	Oral tissues	1	5
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Cementum: Physical and chemical characters Cementogenesis Clinical consideration	Oral tissues	1	6
Daily, semester,	Data show slides and Lab.	Periodontium Principles of fiber grouping	Oral tissues	1	7
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Oral mucosa	Oral tissues	1	8

Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Non keratinized epithelium keratinized epithelium junctional epithelia	Oral tissues	1	9
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Salivary glands	Oral tissues	1	10
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Eruption Shedding	Oral tissues	1	11
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Maxillary sinus	Oral tissues	1	12
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Temperomandibular joint	Oral tissues	1	13
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Histochemistry	Oral tissues	1	14
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Identification of glycogen in oral tissue Uses of PAS and Alcian stain	Oral tissues	1	15

Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	First week of development and ovulation Infertility and implantation	embryology	1	16
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Second week of development, Bilaminar germ layers Third weeks 0f embryo development	embryology	1	17
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Development of fetus and placenta Twin fetus	embryology	1	18
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Third to eight week: embryonic period Development of the head and neck	embryology	1	19
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Pharyngeal arch Congenital anomalies	embryology	1	20
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Pharyngeal pouch Pharyngeal cleft	embryology	1	21
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Development of the tongue Development of the palate	embryology	1	22
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Nasal chamber Congenital malformation	embryology	1	23
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Environmental factors of malformation Chromosomal and genetic factors	embryology	1	24

Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Skeletal system Development Congenital malformation	embry ology	1	25
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Muscular system Urinary system	embry ology	1	26
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Cardiovascular system: Heart Blood vessels formation	embry ology	1	27
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Digestive system: Pharyngeal gut Foregut	embry ology	1	28
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Coelomic cavity and mesenteries	embry ology	1	29
Daily, semester, mid-year and final exams	Data show slides and Lab. Slide preparation	Nervous system Development Spinal cord Congenital malformation	embry ology	1	30

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- Learning and teaching 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)**
	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites

Course Description Form

1- Course name:		
ANATOMY-2		
2- Course code:		
201AN		
3- Year		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms, laboratories and clinics		
6- Total number of study Time and total number of units		
Total number of study Time (theoretical + practical for 30 weeks): 90 **Total number of units (theoretical and practical): 4**		
7- Name of the course supervisor (if more than one name is mentioned)		
Dr.muntather@gmail.com	**Email:**	**Name: Asst. Prof. Muntadhar Mohsen Abusna**
Nawres_bahaa@yahoo.com	**Email:**	**Name: Asst. Prof. Dr. Nouris Baha**

8- Course objectives	
3. Students' knowledge of the anatomy of the head and neck region, taking into account the clinical and pathological aspects of each anatomical region. **4. Explain the importance of anatomy in relation to surgical and dental applications.**	**Subject objectives**

9- Teaching and learning strategies	
10- Text lectures **11- Presentations** **12- Teaching students the anatomy of the human head and neck using visual aids such as pictures and anatomical models.** **13- Discussion sessions** **14- Training on the king ITInside the laboratories** **15- Tests**	**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Required learning outcomes**	**Time**	**Week**
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Human anatomy	Scalp	2	1
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Human anatomy	The orbital region	2	2
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Human anatomy	The Nasal region	1	3
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Human anatomy	Mandibular nerve	1	4
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Human anatomy	Face	2	5
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Human anatomy	Oral cavity	2	6
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Human anatomy	Tongue	1	7
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Human anatomy	Temporal region	1	8
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Human anatomy	Parotid gland part 1	1	9

Short, semester, mid-term and final exams	theoretical lecture Using power point program	Human anatomy	Parotid gland part 2	1	10
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Human anatomy	The Pterygopalatine fossa	1	11
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Human anatomy	Temporomandibular joint	2	12
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Human anatomy	The neck	2	13
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Human anatomy	Triangles of the neck	2	14
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Human anatomy	Submandibular region	1	15
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Human anatomy	Root of the neck	2	16
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Human anatomy	Arteries of the neck	2	17
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Human anatomy	Brain	1	18
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Human anatomy	Cranial nerves	1	19

Short, semester, mid-term and final exams	theoretical lecture Using power point program	Human anatomy	Pharynx	1	20
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Human anatomy	Larynx	1	21

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- Learning and teaching 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		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms, laboratories and clinics		
6- Total number of study Time and total number of units		
Total number of study Time (theoretical + practical for 30 weeks): 120 Time **Total number of units (theoretical and practical): 6 units**		
7- Name of the course supervisor (if more than one name is mentioned)		
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	
1- Text lectures **2- Presentations** **3- Video lecture links** **4- Discussion sessions** **5- Laboratory experiments** **6- Tests**	**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Required learning outcomes**	**Time**	**Week**
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	Cell physiology	2	1
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	Nerve and muscle Microanatomy of nerves	2	2
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	Nerves(types of nerves)	2	3
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	Nerve (Types of muscles)	2	4
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	Nervous System	2	5
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	Nervous System	2	6
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	Nervous System	2	7
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	Red blood cells	2	8
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	Blood groups	2	9
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	Blood coagulation	2	10
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	Cardiovascular system	2	11
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	Cardiovascular system	2	12

Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	Cardiovascular system	2	13
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	Cardiovascular system	2	14
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	RESPIRATION SYSTEM	2	15
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	RESPIRATION SYSTEM	2	16
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	RESPIRATION SYSTEM	2	17
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	RESPIRATION SYSTEM	2	18
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	RESPIRATION SYSTEM	2	19
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	RENAL SYSTEM AND BODY FLUIDS	2	20
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	RENAL SYSTEM AND BODY FLUIDS	2	21
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	RENAL SYSTEM AND BODY FLUIDS	2	22
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	ENDOCRINE SYSTEM	2	23
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	ENDOCRINE SYSTEM	2	24
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	ENDOCRINE SYSTEM	2	25

Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	SPECIAL SENSATION: Vision & Hearing	2	26
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	SPECIAL SENSATION: Vision & Hearing	2	27
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	ORAL CAVITY	2	28
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	GASTROINTESTIONAL TRACT	2	29
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	GASTROINTESTIONAL TRACT	2	30

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- Learning and teaching 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		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms and laboratories		
6- Total number of study Time and total number of units		
Total number of study Time (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 (if more than one name is mentioned)		
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.**		**Subject objectives**
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**		**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Required learning outcomes**	**Time**	**Week**
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	Enzymes: Isoenzymes	2	1
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	Classification	2	2
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	Kinetic properties of enzyme	2	3
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	Enzyme inhibition	2	4
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	Model of enzyme – substrate binding	2	5
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	Plasma enzymes in diagnosis	2	6
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	Lipids	2	7
Short, semester, mid-term	theoretical lecture Using power	Biochemistry	Lipid metabolism:	2	8

and final exams	point program				
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	Triacylglycerol synthesis	2	9
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	FA degradation	2	10
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	Carbohydrate metabolism	2	11
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	Glycogen metabolism (synthesis & degradation)	2	12
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	Glycolysis and its Regulation	2	13
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	Gluconeogenesis	2	14
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	Metabolism of other important sugars	2	15
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	Citric acid cycle and regulation	2	16

Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	Citric acid cycle and regulation	2	17
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	Electron transport system	2	18
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	Vitamins	2	19
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	The major groups (fat & water-soluble vitamins)	2	20
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	sources,chemistry,metabolism,	2	21
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	daily requirements, hypervitaminosis	2	22
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	vitamin A,D,E,K,C &B, niacin	2	23
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	Protein and amino acid metabolism	2	24
Short, semester, mid-term	theoretical lecture Using power	Biochemistry	Dynamic balance and nitrogen balance	2	25

and final exams	point program				
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	Essential and non-essential A.As	2	26
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	Nitrogen catabolism of A.As	2	27
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	Formation of NH3 and urea	2	28
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	Metabolism and fate ofNH3 in the body	2	29
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	Formation of urea (urea cycle)	2	30
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	Glutamin formation	2	31
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Biochemistry	Amination of alpha-ketoacids	2	32

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- Learning and teaching 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:		
GENERAL HISTOLOGY		
2- Course code:		
204GH		
3- Year		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms and laboratories		
6- Total number of study Time and total number of units		
Total number of study Time (60 + practical)60): 120 **Total number of units (theoretical 4 and practical 2): 6**		
7- Name of the course supervisor (if more than one name is mentioned)		
ali.bedair@gmail.com	**Email:**	**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.**		**Subject objectives**
9- Teaching and learning strategies		
Interactive lectures using the programPowerPoint **Students interacted in scientific discussions and seminars.** **Use of screensLCD and digital resources such as microscopes** **And educational videos to enhance learning.**		**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Required learning outcomes**	**Time**	**Week**
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Introduction to general histology	2	1
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Resp.system:Conduction portion	2	2
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Resp. system: respiratory portion	2	3
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Urinary system: Nephrons	2	4
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Urinary system:Ureter &Bladder	2	5
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Skin: Epidermis	2	6
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Skin: Dermis	2	7
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Skin glands, Hair, Nail	2	8
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Hemopoeisis, Bone marrow	2	9

Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Hemopoiesis: Blood cells	2	10
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Circulatory System	2	11
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Circulatory System	2	12
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Lymphoid System	2	13
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Lymphoid system	2	14
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Nervous System	2	15
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Nervous System	2	16
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Nervous system	2	17
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Endocrine system	2	18
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Endocrine system	2	19

Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Endocrine system	2	20
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Digestive system	2	21
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Digestive system	2	22
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Digestive system	2	23
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Digestive system	2	24
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Male Reproductive System	2	25
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Male Reproductive System	2	26
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Female Reprod. System	2	27
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Female Reprod. System	2	28
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Sense Organ (Eye)	2	29

Short, semester, mid-term and final exams	theoretical lecture Using power point program	General histology	Sense Organ (Ear)	2	30

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- Learning and teaching 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		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms, laboratories and clinics		
6- Total number of study Time and total number of units		
Total number of study Time: 30 Time **Total number of units:2Units**		
7- Name of the course supervisor (if more than one name is mentioned)		
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 12- Defining the details of the mass graves crime committed by the Baath regime in Iraq.	**Subject objectives**

9- Teaching and learning strategies	
Text lectures **Presentations** **Discussion sessions** **Tests**	**Strategy**

10- Course structure					
Evaluation method	**Learning method**	**Name of the unit or topic**	**Required learning outcomes**	**Time**	**Week**
Daily exams. Questions within the lecture	Theoretical lectures. Scenarios And discuss	The concept of crime, its elements, forms of commission, types, and methods of proving the crime	The concept of crime, its elements, forms of its commission and types, as well as methods of proving the crime	2	1-2
Daily exams. Questions within the lecture	Theoretical lectures. Scenarios And discuss	The Special Criminal Court for the Trial of Leaders of the Former Regime in 2005	Special Criminal Court for the Trial of Symbols of the Former Regime of 2005	3	3-5
Daily exams. Questions within the lecture	Theoretical lectures. Scenarios And discuss	The rulings issued by the Special Criminal Court for the Trial of Leaders of the Former Regime	Decisions issued by the Special Criminal Court to try symbols of the former regime.	2	6-7
Daily exams. Questions within the lecture	Theoretical lectures. Scenarios And discuss	The Psychological Crimes Committed by the Ba'ath Regime in Iraq, Their Mechanisms, and Their Effects	Psychological crimes committed by the Baath regime in Iraq, their mechanisms of commission and their effects	3	8-10
Daily exams. Questions within the lecture	Theoretical lectures. Scenarios And discuss	The Social Crimes Committed by the Ba'ath Regime in Iraq	Pictures of social crimes committed by the Baath regime in Iraq	2	11-12
Daily exams. Questions within the lecture	Theoretical lectures. Scenarios And discuss	The Ba'ath Regime's Stance on Religion in Iraq	The position of the Baath regime in Iraq on religion	3	13-15
Daily exams. Questions within the lecture	Theoretical lectures. Scenarios And discuss	The Militarization of Society During the Ba'ath Regime in Iraq and the Violations of Iraqi Laws	Militarization of society during the Baath regime in Iraq and violations of Iraqi laws	2	16-17
Daily exams.	Theoretical lectures.	Crimes of Authority and Human Rights Violations	Crimes of power and human rights violations	3	18-20

Questions within the lecture	Scenarios And discuss	During the Ba'ath Regime in Iraq	during the Baath era in Iraq		
Daily exams. Questions within the lecture	Theoretical lectures. Scenarios And discuss	Environmental Crimes Committed by the Ba'ath Regime in Iraq	Environmental crimes committed by the Baath regime in Iraq	2	21-22
Daily exams. Questions within the lecture	Theoretical lectures. Scenarios And discuss	Destruction of Cities and Villages and the Policy of Scorched Earth by the Ba'ath Regime	Destruction of cities and villages and the scorched earth policy by the Baath regime	3	23-25
Daily exams. Questions within the lecture	Theoretical lectures. Scenarios And discuss	The Crime of Draining the Marshes of Iraq by the Ba'ath Regime	The crime of draining the marshes of Iraq by the Baath regime	2	26-27
Daily exams. Questions within the lecture	Theoretical lectures. Scenarios And discuss	The Crime of Mass Graves by the Ba'ath Regime in Iraq	The crime of mass graves by the Baath regime in Iraq	3	28-30

11- Course evaluation	
The subject is theoretical only, and the daily and semester exams have (10) marks distributed as follows:5) for the first chapter and (5) For the second semester, including (2) for activity and attendance. Mid-term exam (20) Final exam (20) for practical and (40) for theoretical	
12- Learning and teaching resources	
	Required textbooks (methodology if any)
	Main References (Sources)
	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites

Course Description Form

1- Course name:		
OPERVATIVE DENTISTRY-3		
2- Course code:		
301OD		
3- Year		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms and laboratoriesT		
6- Total number of study Time and total number of units		
Total number of study Time: 90 **Total number of units: 4**		
7- Name of the course supervisor (if more than one name is mentioned)		
	Email:	**the name: millimeterAlaa Mohammed Naeem**
8- Course objectives		
Dental students qualificationFor the next stagesWith strong knowledge and skills **Objectives:** **. Understand and distinguish different dental treatment conditions.** **. Proficiency in the use of various devices and materials for treatment purposes.** **. Acquire various skills.**		**Subject objectives**
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.**		**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Theoretical content**	**Time**	**Week**
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Definition of operative dentistry (part 1)	1	1
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Definition of operative dentistry. (part 2)	1	2
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Instruments and general instrumentation of cavity preparation	1	3
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Instruments and general instrumentation of cavity preparation	1	4
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Sterilization of operative instruments (part 1)	1	5
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Sterilization of operative instruments (part 2)	1	6
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Amalgam cavity preparations for class I (part 1)	1	7
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Amalgam cavity preparations for class I (part 2)	1	8
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Amalgam cavity preparations for class II (part 1)	1	9

Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Amalgam cavity preparations for class II (part 2)	1	10
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Amalgam cavity preparations for class II (MOD) (part 1)	1	11
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Amalgam cavity preparations for class II (MOD) (part 2)	1	12
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Amalgam cavity preparations for class III and class V (part 1)	1	13
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Amalgam cavity preparations for class III and class V (part 2)	1	14
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Cavity liners and cement bases (part 1)	1	15
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Cavity liners and cement bases (part 1)	1	16
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Cavity liners and cement bases (part 2)	1	17
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Cavity liners and cement bases (part 2)	1	18
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Dental amalgam alloy (material) (part 1)	1	19

Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Dental amalgam alloy (material) (part 2)	1	20
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Complex amalgam restoration (part 1)	1	21
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Complex amalgam restoration (part 2)	1	22
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Failures in amalgam restorations (part 1)	1	23
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Failures in amalgam restorations (part 2)	1	24
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Tooth colored restorations (composite) (part 1)	1	25
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Tooth colored restorations (composite) (part 2)	1	26
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Cavity preparation for anterior restorations (part 1)	1	27
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Cavity preparation for anterior restorations (part 2)	1	28
Short, semester, mid-term and final exams	Theoretical lecture using	Treatment	Resin material	1	29

	power point program				
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Resin material	1	30

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- Learning and teaching 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

1- Course name:		
PROSTHODONTICS-3		
2- Course code:		
305PR		
3- Year		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms and educational laboratories		
6- Total number of study Time and total number of units		
Total number of study Time (theoretical + practical for 30 weeks): 90 Time **Total number of units (theoretical and practical): 4 units**		
7- Name of the course supervisor (if more than one name is mentioned)		
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		
16- Text lectures **17- Presentations** **18- Video lecture links** **19- Educational laboratory steps** **20- Tests**		**Strategy**

10- Course structure					
Evaluation method	Teaching method	Module	Subject vocabulary	Time	Week
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Introduction to Removable Partial Dentures	1	1
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Terminology & Definitions	1	2
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Classification of Partially Edentulous Arches	1	3
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Surveying	1	4
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Component parts of Removable Partial Dentures	1	5
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Maxillary Major Connector	1	6
Short, semester,	theoretical lecture	Prosthodontics	Mandibular Major Connector	1	7

mid-year and final theoretical exams	Using power point program				
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Minor Connector	1	8
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Rest and rest seat	1	9
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Direct Retainers,	1	10
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Extra Coronal Direct Retainers	1	11
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Extra Coronal Direct Retainers (Continue)	1	12
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Internal Attachments	1	13
Short, semester, mid-year	theoretical lecture Using power	Prosthodontics	Indirect retainers	1	14

and final theoretical exams	point program				
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Indirect retainers (Continue)	1	15
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Block out & Relief	1	16
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Duplication & Refractory Cast Construction	1	17
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Wax Pattern	1	18
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Casting, & Finishing	1	19
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Denture Bases in Removable Partial Dentures	1	20
Short, semester, mid-year and final	theoretical lecture Using power	Prosthodontics	Stress Breaker	1	21

theoretical exams	point program				
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Biomechanics of Removable Partial Dentures	1	22
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Biomechanics of Removable Partial Dentures (Continue)	1	23
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Principles of Removable Partial Denture Design	1	24
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Phases of Removable Partial Denture Treatment	1	25
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Acrylic Removable Partial Dentures	1	26
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Acrylic Removable Partial Dentures (Continue)	1	27
Short, semester, mid-year and final	theoretical lecture Using power point program	Prosthodontics	Jaw Relation in Removable Partial Dentures	1	28

theoretical exams					
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Repairs and Additions to Removable Partial Dentures	1	29
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Special Impression Techniques for Removable Partial Denture (altered cast techniques…etc.)	1	30
The practical side					
Evaluation method	Teaching method	Prosthodontics		Time	Week
Practical and oral exams, semester, mid-year and final	Practical laboratories	Prosthodontics	Introduction to Removable Partial Dentures	4	1
Practical and oral exams, semester, mid-year and final	Practical laboratories	Prosthodontics	Kennedy Classification	4	2
Practical and oral exams, semester, mid-year and final	Practical laboratories	Prosthodontics	Cast Trimming	4	3
Practical and oral exams, semester, mid-year and final	Practical laboratories	Prosthodontics	Surveying	4	4
Practical and oral exams, semester,	Practical laboratories	Prosthodontics	Surveying	4	5

mid-year and final					
Practical and oral exams, semester, mid-year and final	Practical laboratories	Prosthodontics	Wire Bending	4	6
Practical and oral exams, semester, mid-year and final	Practical laboratories	Prosthodontics	Wire Bending	4	7
Practical and oral exams, semester, mid-year and final	Practical laboratories	Prosthodontics	Acrylic Removable Partial Denture Design	4	8
Practical and oral exams, semester, mid-year and final	Practical laboratories	Prosthodontics	Acrylic Removable Partial Denture Laboratory Procedures	4	9
Practical and oral exams, semester, mid-year and final	Practical laboratories	Prosthodontics	Acrylic Removable Partial Denture Laboratory Procedures	4	10
Practical and oral exams, semester, mid-year and final	Practical laboratories	Prosthodontics	Flexible Partial Denture Design	4	11
Practical and oral exams, semester, mid-year and final	Practical laboratories	Prosthodontics	Flexible Partial Denture Laboratory Procedures	4	12
Practical and oral exams, semester, mid-year and final	Practical laboratories	Prosthodontics	Flexible Partial Denture Laboratory Procedures	4	13

Practical and oral exams, semester, mid-year and final	Practical laboratories	Prosthodontics	Flexible Partial Denture Laboratory Procedures	4	14
Practical and oral exams, semester, mid-year and final	Practical laboratories	Prosthodontics	Principles of 2D Design for the Removable Partial Dentures	4	15
Practical and oral exams, semester, mid-year and final	Practical laboratories	Prosthodontics	Principles of 2D Design for the Removable Partial Dentures	4	16
Practical and oral exams, semester, mid-year and final	Practical laboratories	Prosthodontics	Principles of Drawing 2D Design for the Removable Partial Dentures	4	17
Practical and oral exams, semester, mid-year and final	Practical laboratories	Prosthodontics	2D Design for Mandibular & Maxillary Arches	4	18
Practical and oral exams, semester, mid-year and final	Practical laboratories	Prosthodontics	2D Design for Mandibular & Maxillary Arches	4	19
Practical and oral exams, semester, mid-year and final	Practical laboratories	Prosthodontics	2D Design for Mandibular & Maxillary Arches	4	20
Practical and oral exams, semester, mid-year and final	Practical laboratories	Prosthodontics	Drawing Removable Partial Denture 3D Design & CAD/CAM	4	21

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

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- Learning and teaching 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 2016;25:580-4.	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		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms, laboratories and clinics		
6- Total number of study Time and total number of units		
Total number of study Time (theoretical + practical for 30 weeks): 90 **Total number of units (theoretical and practical): 4**		
7- Name of the course supervisor (if more than one name is mentioned)		
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		**Subject objectives**
9- Teaching and learning strategies		
Text lectures **Presentations** **Daily tests** **Video Links**		**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Time**	**Required learning outcomes**	**Week**
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	1	Fundamentals of radiology	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	2	Production& interaction of X-ray	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	3	X-ray film & processing cycle	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	4	Factors relating to the production of radiograph	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	5	Ideal radiographic projections & artifacts	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	6	Hazards of X-radiation & its biological effects	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	7	Protection from X-radiation in the clinic of radiography	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	8	Intraoral techniques 1	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	9	Intraoral techniques 2	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	10	Darkroom	1

Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	11	Patient's management	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	12	Localization techniques	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	13	Radiographic survey	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	14	Viewing techniques (conventional & digital)	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	15	Dental panoramic radiography (principals)	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	16	Dental panoramic radiography (anatomy)	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	17	Introduction to normal radiographic anatomy	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	18	Radiographic appearance of normal intraoral landmarks	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	19	Radiographic appearance of common diseases of teeth & supporting structure	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	20	Extra oral radiography	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	21	Digital imaging system	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	22	Computed Tomography (theory & physics)	1

Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	23	Computed Tomography (clinical application in maxillofacial region).	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	24	CBCT (theory & advantages over conventional CT).	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	25	CBCT (clinical applications in maxillofacial region).	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	26	TMJ Radiography (normal & pathological)	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	27	TMJ Imaging	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	28	MRI(theory & physics)	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	29	MRI (clinical applications)	1
Short, midterm, semester and final exams. Seminars.	Lectures usingPOWER POINT	Oral and maxillofacial x-rays	30	Radiography & Implantology	1
			Total		30

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- Learning and teaching 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		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms and laboratories		
6- Total number of study Time and total number of units		
Total number of Time: 120 **Number of units: 6**		
7- Name of the course supervisor (if more than one name is mentioned)		
dr.rabeemajeed@gmail.com	**Email:**	**Name: Dr. Rabie Abdel-Ilah Majeed**
8- Course objectives		
Teaching students about the microorganisms that infect theFor humanEspeciallyOral microbiology whether pathogenic bacteria: viruses: parasites: fungi and Immunity. And knowledge of antibiotics.	**Subject objectives**	
9- Teaching and learning strategies		
1- Text lectures **2- Presentations** **3- Video lecture links** **4- Discussion sessions** **5- Laboratory experiments** **6- Tests**	**Strategy**	

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Theoretical contents**	**Time**	**Week**
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	Morphology and Ultra-structures of M.Os: Eukaryotic Vs Prokaryotic cells:	2	1
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	Growth curve (diagram) phases	2	2
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	Physiology and metabolism of MO	2	3
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	Sterilization	2	4
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	Antibiotic and Chemotherapy	2	5
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	Immunology(part1)	2	6
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	Immunology(part2)	2	7
Short, semester, mid-term	theoretical lecture Using power	bacteriology	Immunology(part3)	2	8

and final exams	point program				
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	Immunology(part4)	2	9
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	The streptococci	2	10
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	The staphylococci	2	11
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	Lactobacilli:	2	12
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	*Corynebacterium*: *C. diphtheriae*&Diphtheriodes	2	13
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	*Bacillus*	2	14
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	*Clostridium*	2	15
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	*Mycobacterium*	2	16

Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	Enterbacteriaceae(part1)	2	17
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	Enterbacteriaceae(part2)	2	18
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	Fusiform	2	19
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	Spiochaetes	2	20
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	*Actinomyces*and other Filamentous bacteria:	2	21
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	*Actinobacillus*:	2	22
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	Miscellaneous micro-organism	2	23
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	Ecology of the oral flora	2	24
Short, semester, mid-term	theoretical lecture Using power	bacteriology	Ecology of the oral flora	2	25

and final exams	point program				
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	Dental plaque and dental cares:	2	26
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	Virology(part 1)	2	27
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	Virology(part2)	2	28
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	Virology(part3)	2	29
Short, semester, mid-term and final exams	theoretical lecture Using power point program	bacteriology	Oral mycology & Parasitology:	2	30

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- Learning and teaching 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

1- Course name:		
GENERAL PATHOLOGY		
2- Course code:		
308GP		
3- Year		
2025-2024		
This description date numbers:4		
2025-2024		
Available attendance forms:		
education My presence direct		
6 -number Time Academic Total and number Units Total		
number Time Academic Total)Theoretical+Practical For a period of 30 weeks): 120 Time number Units Total)Theoretical and Practical(=6 units		
7- name responsible The decision Academic		
ali.f@uokerbala.edu.iq	Email	Asst. Prof. Dr. Ali Fadhel Hashem
8-Course objectives		
*Knowing how different diseases occur * Explain the cellular and tissue changes of diseases. * Knowing the genetic changes associated with body diseases		Subject objectives
9- Teaching strategies And learning		
1-Lecturer Text 2- LinksVideo lecturesAnd -3 EpisodesDiscussion 4- ExaminationMicroscopic 5- Conducting seminars		Strategy

10- Course structure					
Evaluation method	Teaching method	Unit name/ The course Or the topic	Learning outcomes Required	Time	Week
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	Introductionto Pathology	2	1
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	Cell injury	2	2
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	necrosis	2	3
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Physiology	Acute inflammation	2	4
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	Chronic inflammation	2	5
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	Hemodynamic disturbances	2	6

ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	edema	2	7
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	Intracellular accumulation	2	8
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	immunopathology	2	9
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	Hypersensitivity & immune deficiency	2	10
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	Infectious pathology system	2	11
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	Benign tumors	2	12
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	Malignant tumors	2	13

ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	genetic	2	14
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	mutations	2	15
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	Anemias	2	16
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	Bleeding tendency	2	18
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	hemophilia	2	19
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	Platelet disorders	2	20
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	Occupational pathology	2	21
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	leukemias	2	22
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	hematopathology	2	23
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	hemoglobinopathy	2	24
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	lymphomas	2	25

ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	Pulmonary pathology	2	26
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	Pulmonary pathology part 2	2	27
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	Pathology of digestive system 1	2	28
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	Pathology of digestive system part 2	2	29
ExamstheShort, quarterly, and semi-annual The finalY	Lecture using program power point	Pathology	Pathology of digestive system 3	2	30

- evaluation The decision11	
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(	
- sources Learning And teaching 12	
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		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms, laboratories and clinics		
6- Total number of study Time and total number of units		
Total number of study Time (theoretical + practical for 30 weeks): 90 Time **Total number of units (theoretical and practical)):4**		
7- Name of the course supervisor (if more than one name is mentioned)		
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.**		**Subject objectives**
9- Teaching and learning strategies		
1- Text lectures **2- Presentations** **3- Clinical entry and discussion of clinical cases in oral surgery** **4- Discussion sessions** **5- Training on the king ITInside the laboratories** **6- Tests**		**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Required learning outcomes**	**Time**	**Week**
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Diagnosis in oral surgery	1	1
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Diagnosis in oral surgerypart 2	1	2
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Infection Control in Surgical Practice	1	3
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Infection Control in Surgical Practice Part 2	1	4
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Extraction of teeth and Contra indications of extraction	1	5
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Extraction of teeth and Contra indications of extraction	1	6
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	General arrangement for extraction and dental forceps (types)	1	7
Short, semester, mid-term	theoretical lecture Using power	Oral surgery	General arrangement for extraction and	1	8

and final exams	point program		dental forceps (types) part 2		
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Techniques of forceps extraction and post-operative instructions	1	9
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Elevators	1	10
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Elevators part 2	1	11
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Complications of dental extraction	1	12
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Complications of dental extraction	1	13
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Basic surgical instruments	1	14
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Introduction to local anesthesia	1	15
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Pharmacology of local anesthesia	1	16

Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Pharmacology of local anesthesia	1	17
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Surgical anatomy in local anesthesia	1	18
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Surgical anatomy in local anesthesia	1	19
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Instruments of local anesthesia	1	20
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Techniques of local anesthesia	1	21
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Techniques of local anesthesia part 2	1	22
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Techniques of local anesthesia Part 3	1	23
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Complications of local anesthesia	1	24
Short, semester, mid-term	theoretical lecture Using power	Oral surgery	Complications of local anesthesia	2	25

and final exams	point program		Part 2		
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Complications of local anesthesia Part 3	1	26
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Advances in local anesthesia	1	27
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Conscious sedation	1	28
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Fundamentals of general anesthesia	1	29
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Medical emergencies during dental treatment	1	30

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- Learning and teaching 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		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms, laboratories and clinics		
6- Total number of study Time and total number of units		
Total number of study Time (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 (if more than one name is mentioned)		
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.		**Subject objectives**
9- Teaching and learning strategies		
1- Text lectures **2- Presentations** **3- Discussion sessions** **4- Tests** **5- Educational clinics**		**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Theoretical contents**	**Time**	**Week**
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Dental public health Procedural steps in dental public health	1	1
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Primary health care	1	2
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Dental indices	1	3
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Indices used for dental care assessment	1	4
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community		1	5
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Indices used for oral hygiene and periodontal health assessment	1	6
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Biostatistics and dental science	1	7
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Measures of central tendency & dispersion	1	8
Short, semester, mid-	theoretical lecture	Community	Dental treatment need and demand	1	9

term and final exams	Using power point				
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Dental care for special groups Dental manpower planning	1	10
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Examination	1	11
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Epidemiology of dental caries	1	12
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Forensic dentistry	1	13
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Age assessment in forensic dentistry	1	14
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community		1	15
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Fluoridation as a public health measure	1	16
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Fluoridation, mechanism and effects	1	17
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Dental ancillaries personnel	1	18

Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Introduction to epidemiology	1	19
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Tools of measurement in epidemiology	1	20
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Epidemiology of periodontal disease	1	21
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Epidemiological studies	1	22
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Dental health education	1	23
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Principles of health education	1	24
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	School dental health program	1	25
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Occupational hazards	1	26
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Environment and health	1	27
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Professional ethics	1	28

Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Dental patient relationships	1	29
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Infection control	1	30
Short, semester, mid-term and final exams	theoretical lecture Using power point	Community	Sterilization	1	31

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- Learning and teaching 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		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-classroom education		
6- Total number of study Time and total number of units		
Total number of study Time (theoretical for 30 weeks):30 **Total number of units:2**		
7- Name of the course supervisor (if more than one name is mentioned)		
alhussainali1996@gmail.com	**Email:**	**Name: Hussein Ali Mohammed Hussein**
	Email:	**the name:**

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.**	**Subject objectives**

9- Teaching and learning strategies	
Interactive lectures using PowerPoint. **Students interact in scientific discussions.and Constructive dialogues** **UsetheScreens Smart interactiveEducational videos to enhance learningAnd establish good morals**.	**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Required learning outcomes**	**Time**	**Week**
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	What is meant by “ethics?” Why are ethics important? Evolution and philosophy of ethics The terms moral and ethical, obligation and principle	Dental ethics	1	1
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	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	Dental ethics	1	2
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	What is meant by the “best interests” of our patients? What is “paternalism?” Is good risk management good ethics? What about compromising quality?	Dental ethics	1	3
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	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?	Dental ethics	1	4
Midterm exams	Data show slides and text lectures	What's special about Dentistry? What's special about dental ethics? Who decides what is ethical?	Dental ethics	1	5

+Quiz+ Seminars		Does dental ethics change? Does dental ethics differ from one country to another?			
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	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?	Dental ethics	1	6
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	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	Dental ethics	1	7
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	1- Patient autonomy 2- Non-maleficence 3- Benefit 4- Justice 5- Veracity	Dental ethics	1	8
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	Duties and obligation of dentists In general	Dental ethics	1	9

Midterm exams +Quiz+ Seminars	Data show slides and text lectures	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	Dental ethics	1	10
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	Duties and obligation of dentists Toward the public and the paramedical profession The relationship between Dentistry and the Larger Community	Dental ethics	1	11
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	Duties of dental surgeons and specialists in consultations	Dental ethics	1	12
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	Responsibilities of dental surgeons to one another Ideal Relationships between Co-professionals	Dental ethics	1	13
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	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	Dental ethics	1	14

		5- Financial arrangements 6- Disclosure and misrepresentation 7- Child abuse			
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	8- Competence and judgment 9- Confidentiality 10- Dating patients 11- Delegation of duties 12- Digital communication and social media 13- Harassment 14- Consent	Dental ethics	1	15
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	Patients with Compromised Capacity Treatment Decisions for Patients with Compromised Capacity The Role of Parents and Legal Guardians	Dental ethics	1	16
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	The Capacity for Autonomous Decision Making Dealing with Patients Partially Compromised Capacity	Dental ethics	1	17
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	- Conflict of interest - Personal interest versus patient interest - Public versus patient interest - Third-party interests - Professional	Dental ethics	1	18
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	- Importance of Dental Research - Research in Dental Practice - Ethical Requirements - Ethics Review Committee Approval -	Dental ethics	1	19

Midterm exams +Quiz+ Seminars	Data show slides and text lectures	Scientific Merit - Social Value - Risks and Benefits - Informed Consent - Confidentiality - Conflict of Roles - Honest Reporting of Results:	Dental ethics	1	20
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	-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.	Dental ethics	1	21
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	Difficult Professional-Ethical Judgments	Dental ethics	1	22
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	A Model of Professional-Ethical Decision Making	Dental ethics	1	23
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	Conflicting Professional Obligations Conflicts Between Professional and Other Obligations	Dental ethics	1	24
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	Conscientious Disobedience of Professional Obligations	Dental ethics	1	25

Midterm exams +Quiz+ Seminars	Data show slides and text lectures	The Central Values of Dental Practice The Patient's Life and General Health The Patient's Oral Health	Dental ethics	1	26
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	The Patient's Autonomy	Dental ethics	1	27
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	The Dentist's Preferred Patterns of Practice Aesthetic Values	Dental ethics	1	28
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	Efficiency in the Use of Resources Ranking Dentistry's Central Values Thinking about the Case	Dental ethics	1	29
Midterm exams +Quiz+ Seminars	Data show slides and text lectures	-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	Dental ethics	1	30

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- Learning and teaching resources	
	Required textbooks (methodology if any)
- **Mindset** **The new psychology of success, 2006** - **Medical ethics in clinical practice, 2019** - **Methods in medical ethics, 2010**	**Main References (Sources)**
	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites

Course Description Form

1- Course name:		
PHARMACOLOGY		
2- Course code:		
PC317		
3- Year		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms, laboratories and clinics		
6- Total number of study Time and total number of units		
Total number of study Time (theoretical + practical for 30 weeks):120 **Total number of units (theoretical and practical):6**		
7- Name of the course supervisor (if more than one name is mentioned)		
Aymen@Alameduniversity.com	**Email:**	**Name: 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.**		**Subject objectives**
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.**		**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Required learning outcomes**	**Time**	**Week**
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	General Pharmacology	2	1
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Pharmacokinetics & Pharmacokinetics	2	2
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Cholinergic system (agonists) & Cholinergic antagonists or blockers	2	3
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Adrenergic system & Adrenergic Agonists	2	4
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Adrenergic Antagonists	2	5
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Management of hypertension	2	6
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Management of heart failure	2	7
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Management of angina	2	8
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Management of arrhythmias	2	9
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Management of hyperlipidemias	2	10
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Management of hyperglycemia	2	11

Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Anxiolytic and Hypnotic drugs	2	12
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Narcotic analgesics	2	13
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Local anesthetics & General anesthetics	2	14
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	NSAIDs & Disease-modifying antirheumatic agents and drugs used in the treatment of gout	2	15
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Chemotherapeutic agent Penicillin's &Cephalosporins	2	16
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Protein synthesis inhibitors 1 & Protein synthesis inhibitors 2	2	17
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Quinolones, Folic Acid Antagonist, and Urinary Tract Antiseptics	2	18
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Antimycobacterial & Antiprotozoal	2	19
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Antifungal & Drugs used for supragingival plaque	2	20
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Antiviral	2	21
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Autacoids	2	22
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Drugs acting on respiratory system	2	23
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Adrenocortico-steriod hormones	2	24

Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Drugs acting on GIT and vomiting management	2	25
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Immunomodulating drugs	2	26
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Diuretics	2	27
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Thyroid hormones and antithyroid drugs	2	28
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Anticoagulants and antianemic medications	2	29
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Sex hormones and contraceptive drugs	2	30
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Anticancer medications	2	31
Short, semester, mid-term and final exams	theoretical lecture Using power point program	pharmacology	Toxicology	2	32

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- Learning and teaching 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		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms, laboratories and clinics		
6- Total number of study Time and total number of units		
Total number of study Time (theoretical + practical for 30 weeks): 90 **Total number of units (theoretical and practical): 4**		
7- Name of the course supervisor (if more than one name is mentioned)		
shereen@alameed.edu.iq	**Email:**	**Name: M.M Sherine Samir Youssef**
dentistshahad.ds@gmail.com	**Email:**	**Name: M.I don't know Fahim Obaid**

8- Course objectives	
***Knowing the eruption times of baby and permanent teeth** ***Knowing the difference between baby and permanent teeth** ***Knowing the causes of tooth decay in children and ways to prevent it** ***Knowledge of all methods for treating various cases of primary and permanent teeth.** *** Knowledge of all materials and tools used in pediatric dentistry.** ***Knowledge of diseases that show symptoms in the mouth and ways to treat them**	**Subject objectives**

9- Teaching and learning strategies	
21- Text lectures **22- Presentations** **23- Discussion sessions** **24- Tests** **25- Seminars** **26- Educational clinics**	**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Theoretical content**	**Time**	**Week**
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Eruption of teeth, normal eruption process	1	1
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Teething and difficult eruption	1	2
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Eruption haematoma, sequestrum, ectopic eruption	1	3
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Natal and neonatal teeth	1	4
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Local factors influence eruption	1	5
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Systemic factors influence eruption	1	6
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Morphology of the primary teeth	1	7
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Normal morphology of all primary teeth and their clinical consideration	1	8
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Morphologic differences between primary and permanent teeth	1	9

Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Functions of primary teeth	1	10
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Dental cares; Definition and Classification	1	11
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	IEtiology of dental caries	1	12
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Early childhood caries,	1	13
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Nursing cares, baby bottle tooth decay	1	14
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Severe childhood caries	1	15
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Rampant dental caries	1	16
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Restorative dentistry for children	1	17
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	solation & maintenance of dry field and application of the rubber dam	1	18
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Morphological consideration, cavity preparation and instrumentation	1	19
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Cavity preparation on primary teeth, restorative materials used on pediatric	1	20

			dentistry, Matrices & retainers		
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Chrome steel crowns	1	21
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Atrumatic Restorative Therapy (ART) Type of space maintainer(indication and contraindication Type of space maintainer(indication and contraindication Type of space maintainer(indication and contraindication Type of space maintainer(indication and contraindication	1	22
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Treatment of deep caries	1	23
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Diagnosis aids in the selection of teeth for pulp therapy	1	24
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Indirect pulp treatment	1	25
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Vital pulp therapy	1	26

Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	pulpotomy	1	27
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Non-vital pulp therapy technique	1	28
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Reaction of pulp to various capping materials	1	29
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Failure after vital pulp therapy	1	30

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- Learning and teaching resources	
	Required textbooks (methodology if any)
1. McDonald's and Avery'S DENTISTRY for CHILD and ADOLESCENT 2022 by Elsevier **2. 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		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms, laboratories and clinics		
6- Total number of study Time and total number of units		
Total number of study Time (60 + practical 60)): 120 **Total number of units (theoretical 4 and practical 2): 6**		
7- Name of the course supervisor (if more than one name is mentioned)		
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.**	**Subject objectives**	
9- Teaching and learning strategies		
Interactive lectures using the programPowerPoint **Students interacted in scientific discussions and seminars.** **Use of screensLCD and digital resources such as microscopes** **And educational videos to enhance learning.**	**Strategy**	

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Required learning outcomes**	**Time**	**Week**
Short, mid-term and semester exams and seminars.	LecturesPOWER POINT	Oral diseases	Introduction	1	1
Short, mid-term and semester exams and seminars.	LecturesPOWER POINT	Oral diseases	Principles of biopsy techniques	1	1
Short, mid-term and semester exams and seminars.	LecturesPOWER POINT	Oral diseases	Dental caries	2	2
Short, mid-term and semester exams and seminars.	LecturesPOWER POINT	Oral diseases	Pulp pathology	2	3
Short, mid-term and semester exams and seminars.	LecturesPOWER POINT	Oral diseases	Periapical pathology	2	4
Short, mid-term and semester exams and seminars.	LecturesPOWER POINT	Oral diseases	Bone infection	2	5
Short, mid-term and semester exams and seminars.	LecturesPOWER POINT	Oral diseases	Bone diseases (Genetic diseases, metabolic diseases; fibro-osseous lesions)	4	67

Short, mid-term and semester exams and seminars.	LecturesPOWER POINT	Oral diseases	Developmental disturbances	4	8 9
Short, mid-term and semester exams and seminars.	LecturesPOWER POINT	Oral diseases	Bone neoplasms	6	101112
Short, mid-term and semester exams and seminars.	LecturesPOWER POINT	Oral diseases	Cysts of the jaw	3	13
Short, mid-term and semester exams and seminars.	LecturesPOWER POINT	Oral diseases	Odontogenetic tumors	3	14
Short, mid-term and semester exams and seminars.	LecturesPOWER POINT	Oral diseases	Oral mucosal lesions	4	15 16
Short, mid-term and semester exams and seminars.	LecturesPOWER POINT	Oral diseases	White lesions	2	17
Short, mid-term and semester exams and seminars.	LecturesPOWER POINT	Oral diseases	Vesiculo-bulbous lesions, Vesiculo-ulcerative lesions	2	18
Short, mid-term and semester exams and seminars.	LecturesPOWER POINT	Oral diseases	Oral malignancies	4	1920

Short, mid-term and semester exams and seminars.	LecturesPOWER POINT	Oral diseases	Diseases of salivary glands	2	21
Short, mid-term and semester exams and seminars.	LecturesPOWER POINT	Oral diseases	Tumors of salivary glands	2	22
Short, mid-term and semester exams and seminars.	LecturesPOWER POINT	Oral diseases	Red lesions	2	23
Short, mid-term and semester exams and seminars.	LecturesPOWER POINT	Oral diseases	Connective tissue lesions	5	24 25
Short, mid-term and semester exams and seminars.	LecturesPOWER POINT	Oral diseases	Pigmented lesions	2	26
Short, mid-term and semester exams and seminars.	LecturesPOWER POINT	Oral diseases	Forensic odontology	3	27 28
Short, mid-term and semester exams and seminars.	LecturesPOWER POINT	Oral diseases	TMJ pathology	2	29
Short, mid-term and semester exams and seminars.	LecturesPOWER POINT	Oral diseases	Osseointegration	2	30

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- Learning and teaching resources	
	Required textbooks (methodology if any)
Oral and Maxillofacial Pathology" by Brad Neville et al., 4th Edition	Main References (Sources)
	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites

Course Description Form

1- Course name:		
ORTHODONTICS-4		
2- Course code:		
405OD		
3- Year		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms and educational laboratories		
6- Total number of study Time and total number of units		
Total number of study Time (theoretical + practical for 30 weeks): 150 Time **Total number of units (theoretical and practical):6Units**		
7- Name of the course supervisor (if more than one name is mentioned)		
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.		**Subject objectives**
9- Teaching and learning strategies		
1- Text lectures **2- Presentations** **3- Video lecture links** **4- Educational laboratory steps** **5- Tests**		**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Theoretical contents**	**Time**	**Week**
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	Introduction Definition of orthodontics Definition of occlusion, normal occlusion, ideal occlusion and malocclusion Six keys of normal occlusion	2	1
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	Aims of orthodontic treatment Orthodontic definitions (overjet, overbite, crossbite, spacing, crowding, midline deviation, rotation, displacement, proclination, retroclination, protrusion, retrusion, imbrication, overlap, impaction) – including types	2	2
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	Classification of malocclusion a. Angle's classification including division and subdivisions	2	3
Short, semester, mid-term and final exams	theoretical lecture Using the programpower Orthodontics point	Orthodontic	b. Molar, canine, incisor classifications c. Classification of deciduous and mixed dentitions	2	4
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	Growth and development Definitions of growth, development and maturity Stages of development (ovum till birth) Theories of bone growth (cartiligeneous, sutural, endosteal-periosteal, matrix theories)	2	5

Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	Definitions of growth site, growth center, displacement, and drift Growth curve and maximum growth spurt	2	6
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	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	2	7
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	Developmental anomalies Jaw rotation and adaptation	2	8
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	<u>Deciduous and permanent dentition</u> Stages of tooth development: Formation, calcification and root completion	2	9
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	Tooth eruption (stages and theories) Sequences and timing of eruption	2	10
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	<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)	2	11
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	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)	2	12

			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)		
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	<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)	2	13
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	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	2	14
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	b. Local factors: i. Extra-teeth (supernumerary) and missing teeth (hypodontia) ii. Anomalies of tooth size and shape	2	15
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	iii. Early loss of deciduous teeth iv. Retained deciduous teeth, delayed eruption of permanent teeth, impacted teeth, ankylosis	2	16
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	v. Abnormal eruptive behavior (displacement, transposition) vi. Large frenum (labial and lingual), periodontal diseases	2	17

Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	vii. Oral habits viii. Dental cares, improper dental restoration	2	18
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	<u>Tooth movement</u> 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)	2	19
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	b. Biomechanics i. Force (application, type, magnitude, duration and direction) ii. Center of resistance and rotation, moment of force and moment of couple.	2	20
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	iii. Types of tooth movement iv. Rate of tooth movement and factors affecting it	2	21
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	<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)	2	22
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	<u>b. Removable Orthodontic Appliance:</u> i. Properties of various components (SS wire, acrylic) ii. Components:	2	23

			1) active components (springs, screws and elastics)		
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	2) retentive components (clasps) 3) Acrylic base plate and bite planes 4) anchorage	2	24
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	iii. Design of a removable orthodontic appliance iv. Construction of a removable orthodontic appliance	2	25
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	v. Soldering and welding vi. Post-insertion instructions and guidelines	2	26
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	c. Fixed orthodontic appliance: Types, components, advantages, limitation, biomechanics, banding vs. bonding	2	27
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	Use of extra-oral anchorage, temporary anchorage devices (TADs), and lingual fixed appliance	2	28
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	d. Orthopedic and Myofunctional appliance: Types, components, advantages, limitation, mode of action e. Other active appliances:Combination appliances, Invisalign	2	29
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	f. Retention and retainers Retention (definition, reason, time) Retainers (Hawley, clear overlay, positioners, permanent fixation, precision)	2	30

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- Learning and teaching 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		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms, laboratories and clinics		
6- Total number of study Time and total number of units		
Total number of study Time (theoretical + practical for 24 weeks): 30 **Total number of units (theoretical and practical): 2**		
7- Name of the course supervisor (if more than one name is mentioned)		
drsermad@gmail.com	**Email:**	**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.**		**Subject objectives**
9- Teaching and learning strategies		
27- Text lectures **28- Presentations** **29- Admission to clinics and hospitals and discussion of clinical cases.** **30- Discussion sessions** **31- Training on the king ITInside the laboratories** **32- Tests**		**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Required learning outcomes**	**Time**	**Week**
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General surgery	General introduction	1	1
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General surgery	Needles and sutures	1	2
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General surgery	Shock	1	3
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General surgery	Hemorrhage	1	4
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General surgery	Hemorrhage	1	5
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General surgery	Blood transfusion	1	6
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General surgery	wounds	1	7
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General surgery	Wound healing	1	8
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General surgery	Infection	1	9
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General surgery	Bone fracture	1	10
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General surgery	Bone fracture	1	11

Short, semester, mid-term and final exams	theoretical lecture Using power point program	General surgery	Nutrition	1	12
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General surgery	Fluid therapy	1	13
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General surgery	Laparoscopic surgery	1	14
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General surgery	Thrombophlebitis	1	15
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General surgery	Chest trauma	1	16
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General surgery	Tumors (benign and premalignant)	1	17
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General surgery	Tumors (malignant)	1	18
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General surgery	Coagulopathy	1	19
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General surgery	Pleural effusion, pneumothorax	1	20
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General surgery	Burns	1	21
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General surgery	Abscess, cellulitis	1	22
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General surgery	Esophagus	1	23
Short, semester, mid-term and final exams	theoretical lecture Using power point program	General surgery	Calcium metabolic disorder	1	24

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- Learning and teaching 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		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-classroom education		
6- Total number of study Time and total number of units		
Number of study Time totalY: 30 Time **Total number of units:2Units**		
7- Name of the course supervisor		
Aymen4329@gmail.com	**thellea ns:**	**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		
1- Text lectures **2- Presentations** **3- Tests**		**Strategy**

10- Course structure					
roadEvaluation	**roadeducation**	**nameUnit/Course or Topic**	**OutputsLearning Required**	**Time**	**Week**
Short, semester, mid-term and final exams	theoretical lecture Using power point	General medicine	Heart failure	1	1
Short, semester, mid-term and final exams	theoretical lecture Using power point	General medicine	Ischemic heart disease	1	2
Short, semester, mid-term and final exams	theoretical lecture Using power point	General medicine	Arrhythmia	1	3
Short, semester, mid-term and final exams	theoretical lecture Using power point	General medicine	Infective endocarditis	1	4
Short, semester, mid-term and final exams	theoretical lecture Using power point	General medicine	Hypertension	2	5-6
Short, semester, mid-term and final exams	theoretical lecture Using power point	General medicine	Diabetes mellitus	2	7-8
Short, semester, mid-term and final exams	theoretical lecture Using power point	General medicine	Thyroid and adrenal glands	2	9-10
Short, semester, mid-term and final exams	theoretical lecture Using power point	Physiology	Respiratory tract diseases	3	11-13
Short, semester, mid-term and final exams	theoretical lecture Using power point	General medicine	Tuberculosis	1	14
Short, semester, mid-term and final exams	theoretical lecture Using power point	General medicine	Renal diseases	3	15-17

Short, semester, mid-term and final exams	theoretical lecture Using power point	General medicine	RBC disorders	2	18-19
Short, semester, mid-term and final exams	theoretical lecture Using power point	General medicine	Hematological malignancies	1	20
Short, semester, mid-term and final exams	theoretical lecture Using power point	General medicine	Bleeding tendency	1	21
Short, semester, mid-term and final exams	theoretical lecture Using power point	General medicine	Epilepsy	1	22
Short, semester, mid-term and final exams	theoretical lecture Using power point	General medicine	Cerebrovascular accidents (CVA)	1	23
Short, semester, mid-term and final exams	theoretical lecture Using power point	General medicine	GIT diseases	2	24-25
Short, semester, mid-term and final exams	theoretical lecture Using power point	General medicine	Liver diseases	2	26-27
Short, semester, mid-term and final exams	theoretical lecture Using power point	General medicine	Drug and alcohol abuse	1	28
Short, semester, mid-term and final exams	theoretical lecture Using power point	General medicine	Anxiety and depression	2	29-30

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- Learning and teaching 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		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms, laboratories and clinics		
6- Total number of study Time and total number of units		
Total number of study Time (theoretical + practical for 30 weeks):150hour **Total number of units (theoretical and practical)): 6 units**		
7- Name of the course supervisor (if more than one name is mentioned)		
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**	**Subject objectives**

9- Teaching and learning strategies	
1- Text lectures **2- Presentations** **3- Clinical entry and discussion of clinical cases in oral surgery** **4- Discussion sessions** **5- Training on the king ITInside the laboratories** **6- Tests**	**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Required learning outcomes**	**Time**	**Week**
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Cardiovascular diseases	1	1
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Cardiovascular diseases	1	2
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Bleeding disorder	1	3
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Endocrinology	1	4
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Pulmonary diseases	1	5
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Liver Diseases	1	6
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Chronic kidney disease and dialysis	1	7
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Neurologic disorders	1	8
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Pregnancy	1	9
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	AIDS and HIV infection	1	10
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Rheumatologic and connective tissue disorders	1	11
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Allergy	1	12

Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Patients on radiotherapy and chemotherapy	1	13
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Odontogenic infections and fascial space infections	1	14
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Odontogenic infections and fascial space infections	1	15
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Odontogenic infections and fascial space infections	1	16
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Principles of Flaps, suturing and management of difficult extraction	1	17
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Principles of Flaps, suturing and management of difficult extraction	1	18
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Principles of management of impacted teeth	1	19
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Principles of management of impacted teeth	1	20
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Principles of management of impacted teeth	1	21
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Surgical aids to orthodontics	1	22
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Principles of endodontic surgery	1	23
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Principles of endodontic surgery	1	24
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Osteomyelitis and osteonecrosis of the jaw	1	25

Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Osteomyelitis and osteonecrosis of the jaw	1	26
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Dental Implants: Basic Concepts and Techniques	1	27
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Dental Implants: Basic Concepts and Techniques	1	28
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Biopsy in oral and maxillofacial surgery	1	29
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Diagnostic imaging in oral and maxillofacial surgery	1	30

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- Learning and teaching 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		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms and clinics		
6- Total number of study Time and total number of units		
Total number of study Time (theoretical + practical for 30 weeks): 120 Time **Total number of units (theoretical and practical): 5 units**		
7- Name of the course supervisor (if more than one name is mentioned)		
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**	**Subject objectives**	
9- Teaching and learning strategies		
33- Text lectures **34- Presentations** **35- Encourage students to use thinking and problem-solving skills.** **36- Creating a spirit of scientific competition among students through direct and indirect questions** **37- Discussion sessions** **38- Training clinics** **39- Tests**	**Strategy**	

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Required learning outcomes**	**Theoretical curriculum Time**	**Week**
Short, semester, mid-term and final exams	1. Theoretical lecture Using power point program .	Prosthodontics	osteology	1	1
As for the practical evaluation, it includes practical exams.			myology	1	2
Therapeutic cases			Diagnosis and treatment plan for RPD	1	3
			To be continued diagnosis and treatment	1	4
Practical Time include four Time of clinic work per week. The student is required to complete several treatment cases and cannot take the final exam until they are completed.			Mouth preparation and abutment tooth preparation	1	5
			To be continued	1	5
			Impression materials and techniques for R PD	1	7
			To be continued	1	8
			Support in FEE RPD	1	9
			Techniques cast altered and metal check	1	10
			Occlusion in rpd	1	11
			Jaw relation in rpd	1	12

			Prep prosthetic surgery	1	13
			To be continued	1	14
	Use of large screens and smart boards		Diagnosis and treatment plane CD	1	15
			To be continued	1	16
			Impression in CD	1	17
	4casesFEE,2 bounded&repair&immediate RPD denture		To be continued	1	18
			TMJ and mandibular movement	1	19
	One Cr/Co RPD		Jaw relation-vertical	1	20
			To be continued	1	21
			Jaw relation-horizontal	1	22
			To be continued	1	23
			Try in stage in CD	1	24
			To be continued	1	25
			CD Insertion	1	26
			CD Adjustments	1	27
			relining and rebasing in RPD	1	28

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- Learning and teaching 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**	**Required textbooks (methodology if any)**
	Main References (Sources)
	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites

Course Description Form

1- Course name:		
PERIODONTICS-4		
2- Course code:		
402PT		
3- Year		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education inside classrooms andClinicsEducational		
6- Total number of study Time and total number of units		
Total number of study Time (theoretical + practical for 30 weeks): 120 Time **Total number of units (theoretical and practical): 5 Units**		
7- Name of the course supervisor (if more than one name is mentioned)		
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**		**Subject objectives**
9- Teaching and learning strategies		
40- Text lectures **41- Presentations** **42- Discussion sessions** **43- Tests** **44- Seminars** **45- Educational clinics**		**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Theoretical content**	**Module**	**Time**	**Week**
Practical exams Short, quarterly, mid-year and final	Theoretical lecture using power point program	Histology of the periodontium, terms & definitions frequently used in periodontology	Gum disease	1	1
Exams The processand Short, quarterly, mid-year and final	Theoretical lecture using power point program	Gingiva	Gum disease	2	2
Exams The processand Short, quarterly, mid-year and final	Theoretical lecture using power point program	Periodontal ligament	Gum disease	2	4
Exams The process andShort, quarterly, mid-year and final	Theoretical lecture using power point program	Alveolar bone	Gum disease	1	6
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Root cementum	Gum disease	1	7
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Etiology of periodontal disease & risk factors	Gum disease	2	8
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Microbial dental plaque	Gum disease	2	10

Short, semester, mid-term and final exams	Theoretical lecture using power point program	Dental calculus &tooth stain	Gum disease	2	12
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Pathogenesis of periodontal disease	Gum disease	2	14
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Classification of periodontal disease	Gum disease	1	16
Short, semester, mid-term and final exams	Theoretical lecture using power point program	plaque&non plaque induced gingivitis	Gum disease	1	17
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Chronic & aggressive periodontitis	Gum disease	1	18
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Acute periodontal conditions	Gum disease	1	19
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Perio-endo lesion	Gum disease	1	20
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Periodontal disease prevention & diet	Gum disease	2	21
Short, semester, mid-term	Theoretical lecture using	Treatment of periodontal disease	Gum disease	1	23

and final exams	power point program				
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Cause related phase	Gum disease	2	24
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Corrective phase	Gum disease	3	26
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Maintenance phase	Gum disease	1	29
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Drugs in periodontology	Gum disease	1	30

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- Learning and teaching resources	
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: 10.1002/JPER.18-0006 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: 10.1111/jcpe.12940	**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		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms, laboratories and clinics		
6- Total number of study Time and total number of units		
Total number of study Time:210 **Total number of units: 8**		
7- Name of the course supervisor (if more than one name is mentioned)		
.dent.ahmed.ghanim@uobabylon.edu.iq **.faazize@alameed.edu.iq**	**Email:**	**Name: Prof. Dr. Ahmed GhanemMahdi** **M.M. 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.**	**Subject objectives**	
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.**	**Strategy**	

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Theoretical content**	**Time**	**Week**
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Biologic Considerations of Enamel structure and its Clinical Significance in Practice of Operative Dentistry. (part 1)	1	1
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Topics Covered	1	2
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Biologic Considerations of Enamel structure and its Clinical Significance in Practice of Operative Dentistry. (part2)	1	3
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Objective of endodontic treatment	1	4
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Biologic Considerations of Dentin structure& its Clinical Significance in Operative Dentistry (part 1)	1	5
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Basic Phases of Treatment	1	6
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Biologic Considerations of Dentin structure & its Clinical Significance in Operative Dentistry (part 2)	1	7
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Pulp pathologies	1	8
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Patient Evaluation, Diagnosis & Treatment Planning	1	9

Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Classification of periapical diseases	1	10
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	The rubber dam and its applications	1	11
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Caries Management (Diagnosis & treatment strategies)	1	12
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Access opening preparation	1	13
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Cervical Lesions(carious and non-carious lesions)	1	14
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Endodontic Instruments	1	15
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Restorative Dentistry and Pulpal Health	1	16
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Roentgenography in Endodontics and Root canal preparation	1	17
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Management of Deep Seated Caries	1	18
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Inflammatory Conditions of the Pulp	1	19

Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Treatment of Deep Seated Caries Simplified anatomical modeling.	1	20
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Fluoride – Releasing Materials	1	21
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Indirect aesthetic adhesive restorations Inlays and Onlays (materials, techniques) CAD/CAM Technology.	1	22
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Direct tooth-colored restorations (Composite)	1	23
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Dental Laser	1	24
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Application of Laser in Conservative Dentistry.I	1	25
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Application of Laser in Conservative Dentistry.II	1	26
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Indirect tooth-colored restorations	1	27
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Techniques of posterior composite Inlay/Onlay restoration system Laboratory-processed composite inlays and onlays.	1	28

Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Ceramic veneers, inlays and onlays, clinical procedures. I	1	29
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	Ceramic veneers, inlays and onlays, clinical procedures. II	1	30
Short, semester, mid-term and final exams	Theoretical lecture using power point program	Treatment	CAD/CAM techniques.	1	31

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- Learning and teaching 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		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms, laboratories and clinics		
6- Total number of study Time and total number of units		
Total number of study Time (theoretical + practical for 30 weeks): 120 **Total number of units (theoretical and practical): 5**		
7- Name of the course supervisor (if more than one name is mentioned)		
shereen@alameed.edu.iq	**Email:**	**Name: Sherine Samir Youssef**
8- Course objectives		
***Knowing how to deal with children and make them accept treatment in dental clinics.** *** Knowing how to deal with children with special needs** *** Knowing the methods of treating different cases of primary and permanent teeth.** ***Knowledge of genetic and acquired dental deformities and how to treat them.** ***Studying the growth stage of the plates and methods of maintaining sufficient spaces for the growth of permanent teeth.** ***Knowledge of gum diseases that affect children and ways to treat them** ***Knowledge of modern methods, materials and tools used in pediatric dentistry.**		**Subject objectives**
9- Teaching and learning strategies		
46- Text lectures **47- Presentations** **48- Discussion sessions** **49- Tests** **50- Seminars** **51- Educational clinics**		**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Theoretical content**	**Time**	**Week**
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Eruption of teeth, normal eruption process	1	1
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Teething and difficult eruption	1	2
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Eruption haematoma, sequestrum, ectopic eruption	1	3
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Natal and neonatal teeth	1	4
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Local factors influence eruption	1	5
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Systemic factors influence eruption	1	6
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Morphology of the primary teeth	1	7
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Normal morphology of all primary teeth and their clinical consideration	1	8

Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Morphologic differences between primary and permanent teeth	1	9
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Functions of primary teeth	1	10
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Dental cares; Definition and Classification	1	11
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	IEtiology of dental caries	1	12
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Early childhood caries,	1	13
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Nursing cares, baby bottle tooth decay	1	14
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Severe childhood caries	1	15
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Rampant dental caries	1	16
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Restorative dentistry for children	1	17
Short, semester, mid-	theoretical lecture	pedodontics	solation & maintenance of dry	1	18

term and final exams	Using power point		field and application of the rubber dam		
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Morphological consideration, cavity preparation and instrumentation	1	19
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Cavity preparation on primary teeth, restorative materials used on pediatric dentistry, Matrices & retainers	1	20
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Chrome steel crowns	1	21
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Atrumatic Restorative Therapy (ART) Type of space maintainer(indication and contraindication Type of space maintainer(indication and contraindication Type of space maintainer(indication and contraindication Type of space maintainer(indication and contraindication	1	22
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Treatment of deep caries	1	23

Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Diagnosis aids in the selection of teeth for pulp therapy	1	24
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Indirect pulp treatment	1	25
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Vital pulp therapy	1	26
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	pulpotomy	1	27
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Non-vital pulp therapy technique	1	28
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Reaction of pulp to various capping materials	1	29
Short, semester, mid-term and final exams	theoretical lecture Using power point	pedodontics	Failure after vital pulp therapy	1	30

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- Learning and teaching resources	
	Required textbooks (methodology if any)
3. McDONALD AND AVERY'S DENTISTRY for CHILD and ADOLESCENT 2022 by Elsevier 4. Text book of pediatric dentistry Nikhil Marwa 2nd ed. 2019 New Delhi	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		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms, laboratories and clinics		
6- Total number of study Time and total number of units		
Total number of study Time (60 + practical 120): 150 **Total number of units (theoretical 2 and practical 4): 6**		
7- Name of the course supervisor (if more than one name is mentioned)		
Dr.haideraaa@gmail.com	**Email:**	**Name: Haider Ali Hussein**
8- Course objectives		
A•acquisition Knowledge on Ways Diagnosis And treat Cases ill Goals Module Academic **The dishes.** **•Objectives Skills Private By decision:** **1.Diagnosis And treat Cases ill The dishes** **2.knowledge Types Devices Calendar Related With all condition.** **•Objectives Consciousness And the value** **1.solution Problems Related Badly The dishes Using Devices Calendar Animated And functional**		**Subject objectives**
9- Teaching and learning strategies		
□ Lectures using the program(Power point (data show Strategy □ Orthodontics training clinics □ Seminars		**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Theoretical contents**	**Time**	**Week**
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	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)	1	1
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	b. Clinical examination i. General body stature ii. Face examination in 3 dimensions (facial proportion, facial divergence, profile analysis)	1	2
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	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)		3
Short, semester, mid-term and final exams	theoretical lecture Using the program power Orthodontics point	Orthodontic	v. Occlusion (classification, midline, overjet and overbite) vi. Dentition (teeth number, position, dental age, wear, cracks and white spots) vii. Temporomandibular joint	1	4
Short, semester,	theoretical lecture	Orthodontic	c. Diagnostic aids		5

mid-term and final exams	Using power point program		i. orthopantomography (development, advantages, disadvantages, limitations, uses) ii. Study models (preparation, advantages, disadvantages, uses)		
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	iii. cephalometrics (development, cephalostat, advantages, disadvantages, limitations, uses, tracing and landmarks) iv. Other views: hand wrist and periapical radiographs (skeletal maturity, localization, root resorption)	1	6
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	v. Photography vi. 3D imaging d. Consent form	1	7
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	e. Treatment planning: preventive, interceptive, and corrective orthodontics	1	8
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	<u>Incisal overbite and crossbite:</u> a. Deep bite (types, etiology, treatment)	1	9
Short, semester, mid-term and final exams	theoretical lecture Using power	Orthodontic	b. Open bite (types, etiology, treatment, skeletal vs. dental)	1	10

	point program				
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	c. Cross bite and scissors bite (types, etiology, treatment, skeletal vs. dental)	1	11
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	c. Cross bite and scissors bite (types, etiology, treatment, skeletal vs. dental)	1	12
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	<u>Crowding, spacing, space need:</u> a. Types of crowding (primary, secondary and tertiary)	1	13
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	b. Space analysis (in permanent and mixed dentition, space required and potential space, methods, Bolton's ratio)	1	14
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	c. Space creation (molar distalization, expansion, extraction, incisor proclination, proximal stripping, derotation and uprightening)	1	15
Short, semester, mid-term and final exams	theoretical lecture Using power	Orthodontic	d. Closure of spaces (molar protraction, incisor retraction, conservative)	1	16

	point program				
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	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)	1	17
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	<u>Treatment of common local factors:</u> Including definition, prevalence, etiology, types, effect on occlusion, and treatment (with emphasis maxillary canine): a. Extra-teeth (supernumerary) and missing teeth (hypodontia)	1	18
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	b. Early loss of deciduous teeth (space maintainers and space regainers) c. Retained deciduous teeth, delayed eruption of permanent teeth, impacted teeth, ankylosis	1	19
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	d. Abnormal eruptive behavior (displacement, transposition) e. Large frenum (labial and lingual)	1	20
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	f. Bad oral habits	1	21

Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	Treatment of general factors: a. Class I treatment (etiology, skeletal and soft tissue pattern, dental factors, bimaxillary proclination, treatment methods and time)	1	22
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	a. Class I treatment (etiology, skeletal and soft tissue pattern, dental factors, bimaxillary proclination, treatment methods and time)	1	23
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	b. Class II div. 1 treatment (etiology, skeletal and soft tissue pattern, dental factors, habits, treatment methods and time)	1	24
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	c. Class II div. 2 treatment (etiology, skeletal and soft tissue pattern, dental factors, treatment methods and time)	1	25
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	d. Class III treatment (etiology, skeletal and soft tissue pattern, dental factors, treatment methods and time)	1	26
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	Treatment of adults	1	27

Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	Periodontal problems and orthognathic surgery	1	28
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	Cleft lip and palate	1	29
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Orthodontic	Embryology, classification, dental effects, treatment	1	30

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- Learning and teaching resources	
	Required textbooks (methodology if any)
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)**
	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites

Course Description Form

1- Course name:		
PROSTHODONTICS-5		
2- Course code:		
505PR		
3- Year		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms and educational laboratories		
6- Total number of study Time and total number of units		
Total number of study Time (theoretical + practical for 30 weeks): 210 Time **Total number of units (theoretical and practical):8Units**		
7- Name of the course supervisor (if more than one name is mentioned)		
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**		**Subject objectives**
9- Teaching and learning strategies		
52- Text lectures **53- Presentations** **54- Video lecture links** **55- Clinical Educational Steps** **56- Tests**		**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Subject vocabulary**	**Time**	**Week**
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Occlusion in Complete Denture	1	1
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Occlusion in Complete Denture (Continue)	1	2
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Retention, Stability And Support	1	3
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Retention, Stability And Support (Continue)	1	4
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Post Insertion Problems	1	5
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Post Insertion Problems (Continue)	1	6
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Complications Of Complete Denture	1	7

Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Complications Of Complete Denture (Continue)	1	8
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Immediate Denture	1	9
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Immediate Denture (Continue)	1	10
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Classification system for completely edentulous patients	1	11
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Classification system for completely edentulous patients(continue)	1	12
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Posterior palatal seal area	1	13
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Single CD	1	14
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Single CD (Continue)	1	15
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Geriatric dentistry	1	16
Short, semester, mid-year and final theoretical exams	theoretical lecture Using	Prosthodontics	Maxillofacial Prosthesis	1	17

	power point program				
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Facial Prosthesis (Continue)	1	18
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Alveolar Ridge Atrophy	1	19
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Alveolar Ridge Atrophy (Continue)	1	20
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Dental Implantology	1	21
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Dental Implantology (Continue)	1	22
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Esthetics in CD	1	23
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Characteristics Of Ideal Materials For Dental Implant	1	24

Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Copy denture	1	25
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Over Denture	1	26
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Over Denture (Continue)	1	27
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Neutral zone in CD	1	28
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Precision Attachments	1	29
Short, semester, mid-year and final theoretical exams	theoretical lecture Using power point program	Prosthodontics	Precision Attachments (Continue)	1	30

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- Learning and teaching 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		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms, laboratories and clinics		
6- Total number of study Time and total number of units		
Total number of study Time (30Theoretical + 120Practical for 30 weeks):150hour **Total number of units (2Theoretical and 4Practical):6Units**		
7- Name of the course supervisor (if more than one name is mentioned)		
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**		**Subject objectives**
9- Teaching and learning strategies		
Δισπλαψ λεχτυρεσ υσινγ ΠοωερΠοιντ ανδ σενδ τηεμ το τηε στυδεντ ιν πριντεδ τεξτ φορματ. Εδυχατιοναλ χλινιχσ φορ τηε διαγνοσισ ανδ τρεατμεντ οφ οραλ, μαξιλλοφαχιαλ ανδ τεμποροµαν διβυλαρ φοιντ δισεασεσ. Σεμιναρσ ανδ σμαλλ δισχυσσιον γρουπσ		**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Required learning outcomes**	**Time**	**Week**
Short, mid-term, semester and end-of-year exams and seminars.	LecturesPOWER POINT	Oral medicine	The principles of oral diagnosis Clinical examinations	**2** **2**	1 2-3-4
Short, mid-term, semester and end-of-year exams and seminars.	LecturesPOWER POINT	Oral medicine	Laboratory investigations in dentistry	**2**	5-6
Short, mid-term, semester and end-of-year exams and seminars.	LecturesPOWER POINT	Oral medicine	Facial pain Neuromuscular disorder	**2** **2**	7-8- 9-10
Short, mid-term, semester and end-of-year exams and seminars.	LecturesPOWER POINT	Oral medicine	TMJ	**2**	11-12
Short, mid-term, semester and end-of-year exams and seminars.	LecturesPOWER POINT	Oral medicine	Vesiculobullus lesions	**2**	13-14
Short, mid-term, semester and end-of-year exams and seminars.	LecturesPOWER POINT	Oral medicine	White & red lesions	**2**	15-16

Short, mid-term, semester and end-of-year exams and seminars.	LecturesPOWER POINT	Oral medicine	Oral cancer	**2**	17-18
Short, mid-term, semester and end-of-year exams and seminars.	LecturesPOWER POINT	Oral medicine	Pigmented oral lesions	**2**	19-20
Short, mid-term, semester and end-of-year exams and seminars.	LecturesPOWER POINT	Oral medicine	Oral ulceration	**2**	21-22
Short, mid-term, semester and end-of-year exams and seminars.	LecturesPOWER POINT	Oral medicine	BMS	**2**	23-24
Short, mid-term, semester and end-of-year exams and seminars.	LecturesPOWER POINT	Oral medicine	Salivary glands diseases	**2**	2526
Short, mid-term, semester and end-of-year exams and seminars.	LecturesPOWER POINT	Oral medicine	Autoimmune diseases	**2**	27-28
Short, mid-term, semester and end-of-year exams and seminars.	LecturesPOWER POINT	Oral medicine	Oral manifestation of allergic reaction	**2**	29-30

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- Learning and teaching resources	
Burket's oral medicine. Michael Glick, Martin Greenberg, Peter Lockhart and Stephen Challacombe. 13th edition.2021, Wiley Black well. 2. Bumann, A., & Lotzmann, U. TMJ disorders and orofacial pain. The role of dentistry in a multidisciplinary approach. 2011, Thieme	Required textbooks (methodology if any)
Fundamentals of Occlusion	Main References (Sources)
	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites

Course Description Form

1- Course name:		
PERIODONTICS-5		
2- Course code:		
506PR		
3- Year		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education inside classrooms andClinicsEducational		
6- Total number of study Time and total number of units		
Total number of study Time (theoretical + practical for 30 weeks): 120 Time **Total number of units (theoretical and practical): 5 Units**		
7- Name of the course supervisor (if more than one name is mentioned)		
alizena046@gmail.com	**Email:**	**Name: M. Dr.Zeina Ali Daily**
8- Course objectives		

• **knowledgeAdvanced diagnostic methods forAll special medical conditionsWith diseasesGums and surrounding teeth** • **Know how to treat gum and periodontal diseasestheTightenhandAnd** • **theknowledgeAnd training in treatment using aUltrasonic dental cleaning devices and special toolsTo removePeriodontal pocketsAndFor therapeutic operationsAFor surgeryModules 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**	**Subject objectives**

9- Teaching and learning strategies	
57- Text lectures **58- Presentations** **59- Discussion sessions** **60- Tests** **61- Seminars** **62- Educational clinics**	**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Theoretical content**	**Module**	**Time**	**Week**
Practical, short, semester, mid-year and final exams	Theoretical lecture using power point program	Diagnosis and classification of periodontal disease	Gum disease	2	1
Practical, short, semester, mid-year and final exams	Theoretical lecture using power point program	Advance diagnosis	Gum disease	1	3
Short, semester, mid-year and final practical exams	Theoretical lecture using power point program	Tooth mobility	Gum disease	2	4
Short, semester, mid-year and final practical exams	Theoretical lecture using power point program	Furcation involvement	Gum disease	2	6
Short, semester, mid-year and final practical exams	Theoretical lecture using power point program	Epidemiology of periodontal disease	Gum disease	2	8
Short, semester, mid-year and final practical exams	Theoretical lecture using power point program	Immunopathology	Gum disease	2	10
Short, semester, mid-year and final practical exams	Theoretical lecture using power point program	Dentin hypersensitivity	Gum disease	1	12
Short, semester, mid-year and final practical exams	Theoretical lecture using power point program	Halitosis	Gum disease	1	13
Short, semester, mid-year and final practical exams	Theoretical lecture using power point program	Perio& other aspects of dentistry	Gum disease	2	14
Short, semester, mid-year and final practical exams	Theoretical lecture using power point program	Medical compromised patient	Gum disease	2	16

Short, semester, mid-year and final practical exams	Theoretical lecture using power point program	Periodontal surgery	Gum disease	2	18
Short, semester, mid-year and final practical exams	Theoretical lecture using power point program	Laser therapy	Gum disease	1	20
Short, semester, mid-year and final practical exams	Theoretical lecture using power point program	Non-surgical periodontal therapy	Gum disease	2	21
Short, semester, mid-year and final practical exams	Theoretical lecture using power point program	Cross infection	Gum disease	1	23
Short, semester, mid-year and final practical exams	Theoretical lecture using power point program	Risk factors in the etiology of periodontal disease	Gum disease	1	24
Short, semester, mid-year and final practical exams	Theoretical lecture using power point program	Antibiotics in periodontology	Gum disease	1	25
Short, semester, mid-year and final practical exams	Theoretical lecture using power point program	Healing & regeneration	Gum disease	2	26
Short, semester, mid-year and final practical exams	Theoretical lecture using power point program	GTR	Gum disease	2	28
Short, semester, mid-year and final practical exams	Theoretical lecture using power point program	Gingival crevicular fluid	Gum disease	1	30

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- Learning and teaching 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: 10.1002/JPER.18-0006 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: 10.1111/jcpe.12940	**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		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms, laboratories and clinics		
6- Total number of study Time and total number of units		
Total number of study Time (theoretical + practical for 30 weeks): 210 **Total number of units (theoretical and practical): 8**		
7- Name of the course supervisor (if more than one name is mentioned)		
	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 Modules 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.**		**Subject objectives**
9- Teaching and learning strategies		
1- Text lectures **2- Presentations** **3- Video lecture links** **4- Discussion sessions** **5- Educational clinics** **6- Tests**		**Strategy**

10- Course structure

Evaluation method	Teaching method	Module	Theoretical contents	Time	Week
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Endodontic diagnosis	1	1
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Pain control in endo.	1	2
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Endodontic radiography	1	3
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Intracanal instruments (1)	1	4
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Intracanal instruments (2)	1	5
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Preparation of RCS	1	6
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Microbiology	1	7
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Introduction And Definition Of Fixed Bridges And Comparison With Partial Denture.	1	8
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Clinical consideration For Bridge Construction	1	9
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	RC filling materials	1	10

Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Obturation of RCS (1)	1	11
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Obturation of RCS (2)	1	12
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Endo. Emergency treatment	1	13
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Endo-perio relations	1	14
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Restoration of endo. treated teeth	1	15
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Tooth discoloration & bleaching	1	16
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Advantages and Disadvantages Of Fixed	1	17
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Patient Selection And Examination	1	18
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Types Of Retainer	1	19
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Gingival Displacement.	1	20
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Impression Materials And Procedure.	1	21
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Types Of Bridge.	1	22

Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Tooth discoloration & bleaching	1	23
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Bite Registration and Articulation	1	24
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Temporary Restoration	1	25
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Temporary Bridges	1	26
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Pontic And Pontic Design	1	27
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Porcelain Material.	1	28
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Try In and Shade Selection	1	29
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Dental treatment	Failure in Crown & Bridge	1	30

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- Learning and teaching 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.)**
	Electronic references, websites

Course Description Form

1- Course name:		
PREVENTIVE DENTISTRY		
2- Course code:		
502PD		
3- Year		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms, laboratories and clinics		
6- Total number of study Time and total number of units		
Total number of study Time (theoretical 30 + practical 60): 120 **Total number of units (theoretical 2 + practical 3): 5**		
7- Name of the course supervisor (if more than one name is mentioned)		
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.	**Subject objectives**

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 communityEspecially elderly and sick patientsIFor 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**	**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Theoretical contents**	**Time**	**Week**
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Preventive dentistry (introduction)	1	1
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Etiology of dental caries	1	2
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Fluoride in Dentistry	1	3
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Systemic fluoridation (history)	1	4
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Communal water fluoridation	1	5
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Fluoride supplements	1	6
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Topical fluoridation	1	7
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Self-applied fluoride	1	8
Short, semester, mid-	theoretical lecture	prevention	Professionally applied fluoride	1	9

term and final exams	Using power point				
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Toxicity of fluoride	1	10
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Microbiology of caries	1	11
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Cariogenic potential of bact.	1	12
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Fissure sealants	1	13
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	New approach in restorative dentistry	1	14
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Diet and dental caries	1	15
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Non-sugar sweeteners	1	16
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Dietary counseling in dental practice	1	17
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Nutrition and oral health	1	18

Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Nutrition, diet & periodontal disease	1	19
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Saliva and dental caries	1	20
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Oral immune system	1	21
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Oral hygiene measures	1	22
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Dental Caries development	1	23
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Diagnosis of caries	1	24
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Identification of high risk group	1	25
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Chemo prophylactic agents	1	26
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Geriatric dentistry	1	27
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Dental health of disabled and medically compromised child	1	28

Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Health education and motivation	1	29
Short, semester, mid-term and final exams	theoretical lecture Using power point	prevention	Uses of laser in dentistry	1	30

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- Learning and teaching 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)**
	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites

Course Description Form

1- Course name:		
ORAL SURGERY-5		
2- Course code:		
508OS		
3- Year		
2024-2025		
4- Date of preparation of this description:		
2024-2025		
5- Available forms of attendance:		
Live in-person education in classrooms, laboratories and clinics		
6- Total number of study Time and total number of units		
Total number of study Time (theoretical + practical for 30 weeks): 210 **Total number of units (theoretical and practical): 8**		
7- Name of the course supervisor (if more than one name is mentioned)		
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.**	**Subject objectives**

9- Teaching and learning strategies	
63- Text lectures **64- Presentations** **65- Clinical entry and discussion of clinical cases in oral surgery** **66- Discussion sessions** **67- Training on the king ITInside the laboratories** **68- Tests**	**Strategy**

10- Course structure					
Evaluation method	**Teaching method**	**Module**	**Required learning outcomes**	**Time**	**Week**
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Orofacial pain	1	1
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Preliminary management of patients with facial fractures	1	2
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Fractures of the mandible Part 1	1	3
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Fractures of the mandible Part 2	1	4
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Fractures of the middle third of facial skeleton Part 1	1	5
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Fractures of the middle third of facial skeleton Part 2	1	6
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Dento-alveolar and soft tissue injuries	1	7
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Preprosthetic surgery Part 1	1	8
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Preprosthetic surgery Part 2	1	9

Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Potentially malignant disorders of the oral mucosa	1	10
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Odontogenic diseases of the maxillary sinus	1	11
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Benign cystic lesions of the oral cavity	1	12
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Odontogenic tumors	1	13
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Non-odontogenic tumors and fibro-osseous lesions of the jaw	1	14
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Oral cancer Part 1	1	15
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Oral cancer Part 2	1	16
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Implant Treatment: Advanced Concepts Part 1	1	17
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Implant Treatment: Advanced Concepts Part 2	1	18
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Salivary gland diseases Part 1	1	19

Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Salivary gland diseases Part 2	1	20
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Temporomandibular joint (TMJ) disorders Part 1	1	21
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Temporomandibular joint (TMJ) disorders Part 2	1	22
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Orthognathic surgery Part 1	1	23
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Orthognathic surgery Part 2	1	24
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Cleft lip and palate Part 1	1	25
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Cleft lip and palate Part 2	1	26
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Laser and Cryosurgery in oral and maxillofacial surgery	1	27
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Vascular anomalies	1	28
Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Principles of reconstructive surgery of defects of the jaws Part 1	1	29

Short, semester, mid-term and final exams	theoretical lecture Using power point program	Oral surgery	Principles of reconstructive surgery of defects of the jaws Part 2	1	30

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- Learning and teaching 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