

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 ability)The 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 skill(critical 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 |
|---|---|---|---|-----------------|---|---|---|-------------------------|---|---|---|-----------------------------|---|---|---|-----------------------|--|-------------|-------------------|
| | | | | | | | | | | | | | | | | | | | |
| √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | | | √ | √ | essential | General anatomy Human 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 |
|---|---|---|---|-----------------|---|---|---|-------------------------|---|---|---|-----------------------------|---|---|---|-----------------------|--|-------------|------------------------|
| | | | | | | | | | | | | | | | | | | | |
| | | | √ | | | √ | √ | | | √ | √ | | √ | √ | √ | essen tial | Dental material Dental Material | 209DM | Second year |
| | | | | √ | √ | √ | √ | | | √ | √ | | | √ | √ | essen tial | Prosthodontics Prosthodontics | 210PR | |
| √ | √ | √ | √ | √ | √ | √ | √ | | √ | √ | √ | √ | √ | √ | √ | essen tial | Biochemistry Biochemistry | 212BC | |
| | √ | √ | √ | | | | √ | | | √ | √ | | √ | √ | √ | essen tial | General tissues General Histology | 213GH | |
| | | | √ | | | √ | √ | | | | √ | | | √ | √ | essen tial | General physiology General Physiology | 214PH | |
| √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | | | √ | √ | essen tial | Baath crimes Baath Party Crimes | 209DE | |
| | | √ | √ | | | √ | √ | | √ | √ | √ | | | √ | √ | essen tial | Oral tissues Oral Histology | 215OH | |
| √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | | | √ | √ | essen tial | 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 |
|---|---|---|---|-----------------|---|---|---|-------------------------|---|---|---|-----------------------------|---|---|---|-----------------------|---|-------------|------------------------|
| | | | | | | | | | | | | | | | | | | | |
| | | | √ | | | | √ | | | √ | √ | | √ | √ | √ | essen tial | General medicine General Medicine | 423GM | Fourth year |
| | | | √ | | | | √ | | | √ | √ | | √ | √ | √ | essen tial | General Surgery General Surgery | 424GS | |
| | | | √ | | | | √ | | √ | √ | √ | √ | √ | √ | √ | essen tial | Oral surgery Oral Surgery | 422OS | |
| | | | √ | | | √ | √ | | | √ | √ | | √ | √ | √ | essen tial | Dental treatment Conservative Dentistry | 419CV | |
| | | | √ | | | | √ | | √ | √ | √ | | √ | √ | √ | essen tial | Oral diseases Oral Pathology | 425OP | |
| | | | √ | | | | √ | | | | √ | | √ | √ | √ | essen tial | orthodontics Orthodontic | 426OD | |
| √ | √ | √ | √ | | √ | √ | √ | | √ | √ | √ | | √ | √ | √ | essen tial | Pediatric Dentistry Pedodontic | 427PE | |
| √ | √ | √ | √ | | √ | √ | √ | | √ | √ | √ | | √ | √ | √ | essen tial | Periodontal diseases and surgery Periodontics | 428PT | |
| | | | √ | √ | √ | √ | √ | | √ | √ | √ | | √ | √ | √ | essen tial | 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 |
|---|---|---|---|-----------------|---|---|---|-------------------------|---|---|---|-----------------------------|---|---|---|-----------------------|---|-------------|-------------------|
| | | | | | | | | | | | | | | | | | | | |
| | | | √ | | | √ | √ | | √ | √ | √ | √ | √ | √ | √ | 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 | | |
| <ol style="list-style-type: none"> Learn about the internal structure of the cell and the types of cells. Identify the most important medical parasites, understand the factors that lead to parasitic diseases and classify parasites. Using the electron microscope to identify the internal structure of tissues | Subject objectives | |
| 9- Teaching and learning strategies | | |
| <ol style="list-style-type: none"> Feedback from the previous lecture Text lectures Presentations Daily tests Video Links 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 and Chromatin | 2 | 19 |
| Short, semester, mid-term and final exams | theoretical lecture Using power point program | biology | Spermatogenesis and Oogenesis | 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 | |
| <p>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.</p> | <p>Subject objectives</p> |
| 9- Teaching and learning strategies | |
| <ol style="list-style-type: none"> 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. | <p>Strategy</p> |

| 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 Heterodont 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 | |
| <ol style="list-style-type: none"> Students' knowledge of basic general anatomy, types of bones and muscles, and study of the anatomy of the skull bones, vertebrae, rib cage, and abdominal wall, as well as the body's systems, including the anatomy of the respiratory system, digestive system, urinary and reproductive system, and circulatory system, and linking all teaching materials to the clinical aspect and explaining the pathological cases of each anatomical region. Explain the importance of anatomy in relation to surgical and dental applications. | Subject objectives |
| 9- Teaching and learning strategies | |
| <ol style="list-style-type: none"> Text lectures Presentations Teaching students general human anatomy and body systems within the prescribed curriculum using visual aids such as pictures and anatomical models. Discussion sessions Training on the king ITInside the laboratories 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 | | |
| <ul style="list-style-type: none"> . 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 | | |
| <p>Lectures using PowerPoint and interactive whiteboard. Show educational videos.</p> <ul style="list-style-type: none"> . Guide students to some useful research sites. <p>Conducting experiments included in the curriculum.</p> | | 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 | |
| Exams Oral-Exams Surprise Short - Scientific research -Exams Editorial - Activities Extracurricular Dialogues and discussions and -Follow up Investigation and extent interest - Daily exams and bezel Commitment 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 By Stephen 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 | | |
| <p>. Identify the most important basic concepts of general physics.</p> <p>. 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.</p> <p>. Inferring what is studied theoretically through scientific experiments in the special laboratory for medical physics.</p> <p>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.</p> <p>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.</p> <p>There are basic educational and emotional objectives that the student is trained on during the teaching of the scientific curriculum:</p> <p>Experimental and investigative thinking, exploratory and critical thinking</p> | | <p>Subject objectives</p> |
| 9- Teaching and learning strategies | | |
| <p>Lectures using PowerPoint and interactive whiteboard.</p> <p>Show educational videos.</p> <p>.Guide students to some useful research sites.</p> <p>Conducting experiments included in the curriculum.</p> <p>Conducting physical experiments to prove general physical laws.</p> <p>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.</p> <p>Field observations of diagnostic and therapeutic medical devices and how they physically work.</p> | | <p>Strategy</p> |

| | |
|--|--|
| .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 | <i>Force on & in body:</i> 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 | <i>Physics of the skeleton:</i> 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 | <i>Heat and cold in medicine:</i> | 2 | 3 |
| Short, semester, mid-term and final exams | theoretical lecture Using power point program | physics | <i>Energy, work and power of the body:.</i> 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 | <i>Energy, work and power of the body:</i> | 2 | 5 |
| Short, semester, mid-term and final exams | theoretical lecture Using power point program | physics | <i>Pressure:</i> | 2 | 6 |
| Short, semester, mid-term and final exams | theoretical lecture Using power point program | physics | <i>Pressure:</i> | 2 | 7 |
| Short, semester, mid-term and final exams | theoretical lecture Using power point program | physics | <i>Electricity within the body:</i> | 2 | 8 |
| Short, semester, mid-term and final exams | theoretical lecture Using power point program | physics | <i>Electricity within the body:</i> | 2 | 9 |
| Short, semester, mid-term and final exams | theoretical lecture Using power point program | physics | <i>Sound in medicine:</i> 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 | <i>Sound in medicine:</i> Ultrasound (A-scan, B-scan, | 2 | 11 |
| Short, semester, mid-term and final exams | theoretical lecture Using power point program | physics | <i>Sound in medicine:</i> Ultrasound (A-scan, B-scan, | 2 | 12 |

| | | | | | |
|---|--|---------|--|---|----|
| Short, semester, mid-term and final exams | theoretical lecture Using power point program | physics | <i>Physics of the ear and hearing:</i> 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 | <i>Physics of the ear and hearing:</i> | 2 | 14 |
| Short, semester, mid-term and final exams | theoretical lecture Using power point program | physics | <i>Light in medicine:</i> | 2 | 15 |
| Short, semester, mid-term and final exams | theoretical lecture Using power point program | physics | <i>Light in medicine:</i> | 2 | 16 |
| Short, semester, mid-term and final exams | theoretical lecture Using power point program | physics | <i>Laser in medicine</i> What is laser? | 2 | 17 |
| Short, semester, mid-term and final exams | theoretical lecture Using power point program | physics | <i>Physics of diagnostic X-ray:</i> | 2 | 18 |
| Short, semester, mid-term and final exams | theoretical lecture Using power point program | physics | <i>Physics of diagnostic X-ray:</i> | 2 | 19 |

| | | | | | |
|---|--|---------|---|---|----|
| Short, semester, mid-term and final exams | theoretical lecture Using power point program | physics | <i>Physics of diagnostic X-ray:</i> | 2 | 20 |
| Short, semester, mid-term and final exams | theoretical lecture Using power point program | physics | <i>Physics of diagnostic X-ray:</i> | 2 | 21 |
| Short, semester, mid-term and final exams | theoretical lecture Using power point program | physics | <i>Physics of nuclear medicine:</i> | 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 | <i>Physics of radiation therapy:</i> | 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 | <i>Pollution</i> : Natural occurrence of | 2 | 30 |

11- Course evaluation

Exams Oral-Exams Surprise Short - Scientific research -Exams Editorial -
 Activities Extracurricular Dialogues and discussions and -Follow up Investigation and extent interest -
 Daily exams and bezel Commitment
 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 By Stephen 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 | | |
| <ol style="list-style-type: none"> 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 | Windows 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 | | |
| <ul style="list-style-type: none"> * 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 | | |
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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. <ol style="list-style-type: none"> State the rules for construction of the medical words. Roots of medical and dental words. Suffixes: Dental, Surgical, Diagnostic, ...etc. Suffixes: Adjective, and Noun. Suffixes: Singular versus Plural. Prefixes: Adjective Metric, Numbers, Positions, Time, Directions and Colors <ul style="list-style-type: none"> Divide medical words into their component parts. <p>Use multiple words' roots in a compound word.</p> | 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 | <ul style="list-style-type: none"> 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. <p>Define, spell, and pronoun medical terms used in this lecture.</p> | 1 | 3 |
| For short, semester, mid-year and final theory exams | Theoretical lecture using power | English language | Common Mistakes | 1 | 4 |

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|---|--|------------------|--|---|----|
| | point program | | | | |
| Short, semester, mid-year and final theoretical exams | theoretical lecture Using power point program | Medical terms | <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 |

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|---|---|------------------|--|---|----|
| and final theory exams | using power point program | | | | |
| Short, semester, mid-year and final theoretical exams | theoretical lecture Using power point program | Medical terms | <p>Oral and Dental Terminology</p> <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Teeth surfaces. • Common conditions that affect the oral cavity. <p>Spell, pronounce, and explain important terms related to each branch in dentistry</p> | 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 | <p>CARDIOVASCULAR SYSTEM</p> <ul style="list-style-type: none"> • Definition and parts of this system. • Function and disorders. • Spell, pronounce, and explain important common terms in this system. | 1 | 15 |

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|---|---|------------------|---|---|----|
| 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 | <p>Blood, Lymph, and Immune Systems</p> <ul style="list-style-type: none"> - Definition and parts of this system. - Function and disorders. - Spell, pronounce, and explain important common terms in this system. <p>THE RESPIRATORY SYSTEM</p> <ul style="list-style-type: none"> • 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 | <p>Skeletal system</p> <ul style="list-style-type: none"> • Definition and parts of this system. • Function and disorders. <p>Spell, pronounce, and explain important common terms in this system.</p> | 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 | <p>Muscular system</p> <ul style="list-style-type: none"> • Definition and parts of this system. | 1 | 21 |

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|---|---|------------------|--|---|----|
| and final theoretical exams | Using power point program | | <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 |

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|---|---|------------------|---|---|----|
| Short, semester, mid-year and final theoretical exams | theoretical lecture Using power point program | Medical terms | Endocrine System <ul style="list-style-type: none"> • 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) <ul style="list-style-type: none"> • 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 | | |
| <p>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.</p> | <p style="text-align: center;">Subject objectives</p> | |
| 9- Teaching and learning strategies | | |
| <p>Text lectures Presentations Monthly tests Video Links</p> | <p style="text-align: center;">Strategy</p> | |

| 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 |

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|---|---|--------|--|---|----|
| 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 |

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|---|---|--------|---|---|----|
| 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 |

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|---|---|--------|---------------------------------|---|----|
| 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 |

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| 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 | | |
| <p>1- Knowing the basic rights enjoyed by every human being regardless of gender, race and religion.</p> <p>2-Development of principles and standardsYR AnoPolitical rightsnoWomenN</p> <p>3-Promote a deep understanding of the concepts of justice, equality and dignity.noHumanity</p> <p>4- KnowledgeHistory of human rightsnoHuman</p> | <p>Subject objectives</p> | |
| 9- Teaching and learning strategies | | |
| <p>1- Text lectures</p> <p>2- Presentations</p> <p>3- Discussion sessions</p> <p>4- Tests</p> | <p>Strategy</p> | |

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 |

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|---|--|--------------|---|---|----|
| 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 |

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|---|--|--------------|---|---|----|
| 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 |

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|---|--|--------------|---|---|----|
| | | | 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 |

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|---|--|--------------|--|---|----|
| | | | 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 |

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| 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 | | |
| <ul style="list-style-type: none"> • 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 | | |
| <ul style="list-style-type: none"> 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 |

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|---|---|------------------|---------------------------------|---|----|
| | 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 |

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|---|---|------------------|--|---|----|
| 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 |

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|---|---|------------------|--|---|----|
| 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 |

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|---|---|------------------|-------------------------|---|----|
| | 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 |

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| 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 | |
| <ul style="list-style-type: none"> • Phillips applied dental material • Restorative dental material • Dental material their selection and use | Required textbooks (methodology if any) |
| <ul style="list-style-type: none"> • Phillips applied dental material • Restorative dental material | Main References (Sources) |
| <ul style="list-style-type: none"> • 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 | Email: | Name: Diao Rashid Ali |
| alhussainali1996@gmail.com | Email: | Name: Hussein Ali Mohammed Hussein |
| 8- Course objectives | | |
| <p>To equip dental students with the knowledge and skills to distinguish oral tissues, use advanced staining techniques and understand histological examination.</p> <p>Objectives:</p> <p>Understand and differentiate the different tissues of the mouth.</p> <p>. Proficiency in the use of staining techniques for diagnostic purposes.</p> <p>Gain skills in tissue cutting techniques.</p> | | Subject objectives |
| 9- Teaching and learning strategies | | |
| <p>Interactive lectures using PowerPoint.</p> <p>Students interact in scientific discussions and seminars..</p> <p>. Use LCD screens and digital resources such as microscopes.</p> <p>Educational videos to enhance learning.</p> | | 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. Slide preparation | 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 |

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|---|---|--|--------------|---|----|
| 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 Of 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 |

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|---|---|--|------------|---|----|
| Daily, semester, mid-year and final exams | Data show slides and Lab. Slide preparation | Skeletal system Development Congenital malformation | embryology | 1 | 25 |
| Daily, semester, mid-year and final exams | Data show slides and Lab. Slide preparation | Muscular system Urinary system | embryology | 1 | 26 |
| Daily, semester, mid-year and final exams | Data show slides and Lab. Slide preparation | Cardiovascular system: Heart Blood vessels formation | embryology | 1 | 27 |
| Daily, semester, mid-year and final exams | Data show slides and Lab. Slide preparation | Digestive system: Pharyngeal gut Foregut | embryology | 1 | 28 |
| Daily, semester, mid-year and final exams | Data show slides and Lab. Slide preparation | Coelomic cavity and mesenteries | embryology | 1 | 29 |
| Daily, semester, mid-year and final exams | Data show slides and Lab. Slide preparation | Nervous system Development Spinal cord Congenital malformation | embryology | 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 | | |
| <p>3. Students' knowledge of the anatomy of the head and neck region, taking into account the clinical and pathological aspects of each anatomical region.</p> <p>4. Explain the importance of anatomy in relation to surgical and dental applications.</p> | | Subject objectives |
| 9- Teaching and learning strategies | | |
| <p>10- Text lectures</p> <p>11- Presentations</p> <p>12- Teaching students the anatomy of the human head and neck using visual aids such as pictures and anatomical models.</p> <p>13- Discussion sessions</p> <p>14- Training on the king ITInside the laboratories</p> <p>15- Tests</p> | | 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 |

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|---|---|---------------|-----------------------------|---|----|
| 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 | 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 |

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|---|---|---------------|---------|---|----|
| 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 | |
|---|--|
| <p>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</p> <p>Mid-term exam (20)</p> <p>Final exam (20) for practical and (40) for theoretical</p> | |
| 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 | | |
| <ul style="list-style-type: none"> * Knowledge of Jobs Natural for different Members Body * 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 | | |
| <ul style="list-style-type: none"> 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 |

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|---|--|------------|------------------------------|---|----|
| 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 |

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|---|--|------------|--|---|----|
| 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 | | |
| <p>. To learn the basic concepts of biochemistry.</p> <p>.Teaching the rules and foundations of biochemical reactions that occur in the human body in health and disease, with a focus on dentistry.</p> <p>Identifying life molecules, studying their chemical structures and their effective role within the human body.</p> <p>.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.</p> <p>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.</p> | | Subject objectives |
| 9- Teaching and learning strategies | | |
| <p>Lectures using PowerPoint and interactive whiteboard.</p> <p>Show educational videos.</p> <p>.Guide students to some useful research sites.</p> <p>Conducting experiments included in the curriculum.</p> <p>Applying clinical trials in line with clinical concepts in the theoretical aspect.</p> <p>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.</p> <p>Field observations of diagnostic and therapeutic medical devices and how they work.</p> <p>.Use references and periodicals and use modern learning methods such as:The Internet</p> <p>.DiscussionsClassroom In addition to researchAnd thinking</p> <p>.InitiativesScientific and contribute to the scientific additions to the course</p> | | 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 NH ₃ and urea | 2 | 28 |
| Short, semester, mid-term and final exams | theoretical lecture Using power point program | Biochemistry | Metabolism and fate of NH ₃ 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 | |
|--|---|
| Exams Oral-Exams Surprise Short - Scientific research -Exams Editorial - Activities ExtracurricularDialogues and discussionsand -Follow upInvestigation and extentinterest - Daily exams andbezel Commitment 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 | | |
| <p>Preparing the student practically in terms of applying the acquired knowledge.</p> <p>. Thinking about solving problems.</p> <p>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</p> <p>Learn medical histology terms</p> <p>To enable the student to possess sufficient medical knowledge in general histology.</p> | <p style="text-align: center;">Subject objectives</p> | |
| 9- Teaching and learning strategies | | |
| <p>Interactive lectures using the programPowerPoint</p> <p>Students interacted in scientific discussions and seminars.</p> <p>Use of screensLCD and digital resources such as microscopes</p> <p>And educational videos to enhance learning.</p> | <p style="text-align: center;">Strategy</p> | |

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 | Hemopoiesis, Bone marrow | 2 | 9 |

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|---|--|-------------------|--------------------------|---|----|
| 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 |

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|---|--|-------------------|--------------------------|---|----|
| 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 |

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

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|--|--|
| 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) | | |
| jasmhns654@gmail.com | Email: | Dr. Jassim Mohsen Al Sultani |
| 8- Course objectives | | |
| <ol style="list-style-type: none"> 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 | | |
| <p>Text lectures</p> <p>Presentations</p> <p>Discussion sessions</p> <p>Tests</p> | 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 |

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|--|---|--|--|---|-------|
| 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 |

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|---|---|-----------|--|---|----|
| 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 |

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|---|---|-----------|--|---|----|
| 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 |

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

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|--|---|
| 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 |

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|---|--|----------------|---|---|----|
| 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 |

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|---|--|----------------|---|---|----|
| 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 |

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|---|--|----------------|---|---|----|
| 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 |

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|--|--|----------------|--|------|------|
| 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 |

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|--|------------------------|----------------|---|---|----|
| 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 |

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|--|------------------------|----------------|--|---|----|
| 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 |

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|--|------------------------|----------------|---|---|----|
| 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 | |
| <ul style="list-style-type: none"> Dental laboratory technology for removable prosthodontics | Required textbooks (methodology if any) |
| <ul style="list-style-type: none"> 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) |
| <ul style="list-style-type: none"> 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 using POWER POINT | Oral and maxillofacial x-rays | 1 | Fundamentals of radiology | 1 |
| Short, midterm, semester and final exams. Seminars. | Lectures using POWER POINT | Oral and maxillofacial x-rays | 2 | Production & interaction of X-ray | 1 |
| Short, midterm, semester and final exams. Seminars. | Lectures using POWER POINT | Oral and maxillofacial x-rays | 3 | X-ray film & processing cycle | 1 |
| Short, midterm, semester and final exams. Seminars. | Lectures using POWER POINT | Oral and maxillofacial x-rays | 4 | Factors relating to the production of radiograph | 1 |
| Short, midterm, semester and final exams. Seminars. | Lectures using POWER POINT | Oral and maxillofacial x-rays | 5 | Ideal radiographic projections & artifacts | 1 |
| Short, midterm, semester and final exams. Seminars. | Lectures using POWER POINT | Oral and maxillofacial x-rays | 6 | Hazards of X-radiation & its biological effects | 1 |
| Short, midterm, semester and final exams. Seminars. | Lectures using POWER 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 using POWER POINT | Oral and maxillofacial x-rays | 8 | Intraoral techniques 1 | 1 |
| Short, midterm, semester and final exams. Seminars. | Lectures using POWER POINT | Oral and maxillofacial x-rays | 9 | Intraoral techniques 2 | 1 |
| Short, midterm, semester and final exams. Seminars. | Lectures using POWER 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 | | |
| <ul style="list-style-type: none"> 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 | <i>Corynebacterium:</i> <i>C. diphtheriae</i> &Diphtheroides | 2 | 13 |
| Short, semester, mid-term and final exams | theoretical lecture Using power point program | bacteriology | <i>Bacillus</i> | 2 | 14 |
| Short, semester, mid-term and final exams | theoretical lecture Using power point program | bacteriology | <i>Clostridium</i> | 2 | 15 |
| Short, semester, mid-term and final exams | theoretical lecture Using power point program | bacteriology | <i>Mycobacterium</i> | 2 | 16 |

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|---|--|--------------|--|---|----|
| 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 | <i>Actinomyces</i> and other Filamentous bacteria: | 2 | 21 |
| Short, semester, mid-term and final exams | theoretical lecture Using power point program | bacteriology | <i>Actinobacillus</i> : | 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 | |
| <p>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(</p> | |
| - 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 | | |
| <ul style="list-style-type: none"> * 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 | | |
| <ul style="list-style-type: none"> 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 surgery part 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 |

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|---|--|--------------|--|---|----|
| 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 | | |
| <p>*Understand the basic principles: To provide students with basic knowledge about oral and dental health and how to prevent common diseases.</p> <p>*Practical training: Enhancing practical skills through clinical and field training, enabling students to apply what they have learned in a real-world setting.</p> <p>*Scientific researchEncouraging students to participate in scientific research related to community dentistry, which contributes to the development of this field.</p> <p>*Awareness and education:Teaching students how to educate the community about the importance of oral and dental health and ways to prevent diseases.</p> <p>*Effective communicationDeveloping effective communication skills with patients and community members, to ensure the provision of comprehensive and integrated health care.</p> <p>*Teamwork: Enhancing team spirit and teamwork among students, which helps them cooperate with their colleagues in the future career.</p> | Subject objectives | |
| 9- Teaching and learning strategies | | |
| <p>1- Text lectures</p> <p>2- Presentations</p> <p>3- Discussion sessions</p> <p>4- Tests</p> <p>5- Educational clinics</p> | 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 |

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|---|--|-----------|--------------------------------------|---|----|
| 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 |

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|---|--|-----------|------------------------------|---|----|
| 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 |

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| 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 | | |
| <ul style="list-style-type: none"> - Qualifying dental students with knowledge and skillsEthical fort 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 Use the Screens Smart interactive Educational videos to enhance learning And 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 |

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|----------------------------------|------------------------------------|--|---------------|---|---|
| +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 |

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|----------------------------------|------------------------------------|---|---------------|---|----|
| 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 |

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|----------------------------------|------------------------------------|---|---------------|---|----|
| | | 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 |

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|----------------------------------|------------------------------------|--|---------------|---|----|
| Midterm exams +Quiz+ Seminars | Data show slides and text lectures | <p>Scientific Merit</p> <ul style="list-style-type: none"> - 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 | <ul style="list-style-type: none"> -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 |

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|----------------------------------|------------------------------------|---|---------------|---|----|
| 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 |

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|---|---|
| 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) |
| <ul style="list-style-type: none"> - Mindset The new psychology of success, 2006 <ul style="list-style-type: none"> - 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 | | |
| <p>Identifying the most important medications that the dentist must be aware of and scientifically familiar with.</p> <p>. Identify the terms related to pharmacology.</p> <p>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.</p> | Subject objectives | |
| 9- Teaching and learning strategies | | |
| <p>Lectures using PowerPoint and interactive whiteboard.</p> <p>Show educational videos.</p> <p>.Guide students to some useful research sites.</p> <p>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.</p> | 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 |

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|---|--|--------------|---|---|----|
| 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 |

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|---|--|--------------|---|---|----|
| 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 |

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| 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 | | |
| <ul style="list-style-type: none"> *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 | | |
| <ul style="list-style-type: none"> 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 |

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|---|---------------------------------------|-------------|--|---|----|
| 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 |

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|---|---------------------------------------|-------------|---|---|----|
| | | | 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 |

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|---|---------------------------------------|-------------|---|---|----|
| 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 | |
|---|--|
| <p>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.</p> <p>Mid-term exam (20)</p> <p>Final exam (20) for practical and (40) for theoretical</p> | |
| 12- Learning and teaching resources | |
| | Required textbooks (methodology if any) |
| <ol style="list-style-type: none"> McDonald's and Avery'S DENTISTRY for CHILD and ADOLESCENT 2022 by Elsevier Hand book of pediatric dentistry (Cameron) mosby | Main References (Sources) |
| | Recommended supporting books and references (scientific journals, reports, etc.) |
| | Electronic references, websites |

Course Description Form

| | | |
|---|--------------------|----------------------|
| 1- Course name: | | |
| ORAL PATHOLOGY | | |
| 2- Course code: | | |
| 406OP | | |
| 3- Year | | |
| 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) | | |
| dheyaalhajjar@gmail.com | Email: | Name: Daa 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 | Strategy | |
| Students interacted in scientific discussions and seminars. | | |
| Use of screensLCD and digital resources such as microscopes | | |
| And educational videos to enhance learning. | | |

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 |

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|--|---------------------|---------------|---|---|----------|
| 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 | Odontogenic 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 |

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|--|---------------------|---------------|-----------------------------|---|----------|
| 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 |

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|--|--|
| 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 | | |
| <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>5-plan Treatment:design plan treatment Comprehensive fit condition the patient building on Diagnosis with Consideration Factors Biological And mechanical.</p> <p>6-communication with Patients:Enhance skills communication with Patients To clarify plan Treatment And the stages Different And expectations Results.</p> <p>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.</p> <p>8-Recognition on Complications:knowledge Complications potential during And after Treatment How to Dealing With her.</p> | | Subject objectives |
| 9- Teaching and learning strategies | | |
| <p>1- Text lectures</p> <p>2- Presentations</p> <p>3- Video lecture links</p> <p>4- Educational laboratory steps</p> <p>5- Tests</p> | | 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 | <u>Introduction</u> 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 program power 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 | <u>Growth and development</u> Definitions of growth, development and maturity Stages of development (ovum till birth) Theories of bone growth (cartiligenous, sutural, endosteal-periosteal, matrix theories) | 2 | 5 |

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|---|---|-------------|--|---|----|
| 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 |

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|---|---|-------------|--|---|----|
| | | | 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 |

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|---|---|-------------|---|---|----|
| 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> a. <u>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 |

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|---|---|-------------|---|---|----|
| | | | 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 | <u>c. Fixed orthodontic appliance:</u> 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 | <u>d. Orthopedic and Myofunctional appliance:</u> Types, components, advantages, limitation, mode of action <u>e. Other active appliances:</u> Combination appliances, Invisalign | 2 | 29 |
| Short, semester, mid-term and final exams | theoretical lecture Using power point program | Orthodontic | <u>f. Retention and retainers</u> 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 | | |
| <ul style="list-style-type: none"> • 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 |

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|---|--|-----------------|----------------------------------|---|----|
| 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 |

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|--|--|
| 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 | thelleans: | 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 | Strategy | |
| 2- Presentations | | |
| 3- Tests | | |

| 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 |

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|---|---------------------------------------|------------------|---------------------------------|---|-------|
| 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 (by [Anil K Tripathi](#), & [Kamal K Sawlani](#))

Required textbooks (methodology if any))

Little and Falace's Dental Management of the Medically Compromised (by James 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 | | |
| <ul style="list-style-type: none"> * 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 | | |
| <ul style="list-style-type: none"> 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 |

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|---|--|--------------|--|---|----|
| 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 |

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|---|--|--------------|--|---|----|
| 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 |

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|--|--|
| 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 | | |
| <ul style="list-style-type: none"> * 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 | | |
| <ul style="list-style-type: none"> 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 RPD | 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 |
| | 4casesFEE,2 bounded&repair&immediate RPD denture | | Impression in CD | 1 | 17 |
| | | | To be continued | 1 | 18 |
| | One Cr/Co RPD | | TMJ and mandibular movement | 1 | 19 |
| | | | 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 |

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| 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 | |
| <ul style="list-style-type: none"> • 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 and Clinics Educational | | |
| 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 | | |
| <ul style="list-style-type: none"> • Stage study Occurrence and development Gum disease Leading to increased tooth movement and loss • study and Know all special medical conditions With diseases Gums Factors that increase the incidence and severity of the disease • knowledge How to diagnose All special medical conditions With diseases Gums and around the teeth to the protective side of this H the Cases • 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. • the knowledge And training on methods Treatment of simple and moderate cases Difficulty, 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 | | |
| <p>40- Text lectures</p> <p>41- Presentations</p> <p>42- Discussion sessions</p> <p>43- Tests</p> <p>44- Seminars</p> <p>45- Educational clinics</p> | 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 process and Short, quarterly, mid-year and final | Theoretical lecture using power point program | Gingiva | Gum disease | 2 | 2 |
| Exams The process and Short, quarterly, mid-year and final | Theoretical lecture using power point program | Periodontal ligament | Gum disease | 2 | 4 |
| Exams The process and Short, 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 |

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|---|---|--|-------------|---|----|
| 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 |

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|---|---|-------------------------|-------------|---|----|
| 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 |

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|--|--|
| 11- Course evaluation | |
| <p>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.</p> <p style="text-align: right;">Mid-term exam (20)</p> <p style="text-align: right;">Final exam (20) for practical and (40) for theoretical</p> | |
| 12- Learning and teaching resources | |
| <p>1-Clinical Periodontology and Implant Dentistry, Seventh Edition, Niklaus P. Lang and Jan Lindhe, 2022</p> <p>2-Newman and Carranza's Clinical Periodontology, Thirteen Edition, 2019</p> | <p>Main References (Sources)</p> |
| <p>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</p> <p>Chapple ILC, Mealey BL, Van Dyke TE, Bartold PM, Dommisch H, Eickholz P, et al. 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</p> | <p>Recommended supporting books and references (scientific journals, reports, etc.)</p> |
| <p>PubMed, Cochrane library, Google scholar</p> | <p>Electronic references, websites</p> |

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 | Email: | Name: Prof. Dr. Ahmed GhanemMahdi |
| .faazize@alameed.edu.iq | | M.M. Fatima Abdel Khaleq Aziz |
| 8- Course objectives | | |
| <p>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.</p> <p>Objectives:</p> <ul style="list-style-type: none"> . 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 | | |
| <p>Interactive lectures using the programPowerPoint</p> <p>Students interacted in scientific discussions and seminars.</p> <p>Using various industrially advanced devices and modern materials from advanced international companies.</p> <p>And educational videos to enhance learning.</p> | | 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 |

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|---|---|-----------|---|---|----|
| 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 |

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|---|---|-----------|--|---|----|
| 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 |

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|---|---|-----------|---|---|----|
| 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 | |
|--|---|
| <p>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.</p> <p>Mid-year exam (15) theoretical and (5) practical</p> <p>Final exam (20) for practical and (40) for theoretical</p> | |
| 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 | | |
| <ul style="list-style-type: none"> *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 | | |
| <ul style="list-style-type: none"> 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 |

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|---|--|-------------|---|---|----|
| 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 | solution & maintenance of dry | 1 | 18 |

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|---|--|-------------|---|---|----|
| 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 |

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|---|--|-------------|---|---|----|
| 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 | | |
| <input type="checkbox"/> Lectures using the program(Power point (data show Strategy <input type="checkbox"/> Orthodontics training clinics <input type="checkbox"/> 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 | <u>Orthodontic diagnosis and treatment planning:</u> 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 |

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

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|---|--|-------------|---|---|----|
| | 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 |

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|---|--|-------------|---|---|----|
| | 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 |

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|---|--|-------------|--|---|----|
| 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 |

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|---|--|-------------|---|---|----|
| 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 | | |
| <ul style="list-style-type: none"> Treatment and then start treatmentI Qasciencel AndcorrectIHahaUse of minimal materials and methodsI ThthIn the manufacture of the complete set byIQGiving theoretical lecturesI AndWith 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 |

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|---|---|----------------|--|---|----|
| 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 |

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|---|---|----------------|---|---|----|
| | 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

- | | |
|---|--|
| <ul style="list-style-type: none"> 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) |
| <ul style="list-style-type: none"> Golden and Driscoll. Treating the complete denture patient. 1st edition 2020 John Wiley & Sons, Inc. | Main References (Sources) |
| <ul style="list-style-type: none"> 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 | Email: | Name: A.M.D.Supporter of Abbas |
| muaidshamsah087@gmail.com | | |
| 8- Course objectives | | |
| <p>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</p> | | Subject objectives |
| 9- Teaching and learning strategies | | |
| <p>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 δισειασεσ. Σεμιναρσ ανδ σμαλλ δισχυσσιον γρουπσ□</p> | | 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 | 25-26 |
| 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 |

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|--|--|
| 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 and Clinics Educational | | |
| 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 | | |
| <ul style="list-style-type: none"> • 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 |

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|---|---|---|-------------|---|----|
| 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, et al. 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 | | |
| <ul style="list-style-type: none"> * 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 | | |
| <ul style="list-style-type: none"> 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 | | |
| <p>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:</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> | | <p>Subject objectives</p> |

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| <p>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.</p> <p>Providing excellent and effective health care to the communityEspecially elderly and sick patients!For people with special needs and methods of treating various cases of primary and permanent teeth</p> | |
| 9- Teaching and learning strategies | |
| <ol style="list-style-type: none"> 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 |

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|---|--|------------|---------------------------------------|---|----|
| 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 |

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|---|--|------------|---|---|----|
| 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 |

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|---|--|------------|---------------------------------|---|----|
| 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 | |
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| 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) |
| <ul style="list-style-type: none"> • 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., 2nd edition, black well, 2008. | Main References (Sources) |
| | Recommended supporting books and references (scientific journals, reports, etc.) |
| | Electronic references, websites |

Course Description Form

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|--|--------------------|---|
| 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 | | |
| <ul style="list-style-type: none"> • 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 |

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|---|---|--------------|---|---|----|
| 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 |

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|---|---|--------------|--|---|----|
| 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 |

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|---|---|--------------|---|---|----|
| 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 |