

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



Academic Program and Course Description Guide

Introduction:

The educational program is a well—planned set of courses that include procedures and experiences arranged in the form of an academic syllabus. Its main goal is to improve and build graduates' skills so they are ready for the job market. The program is reviewed and evaluated every year through internal or external audit procedures and programs like the External Examiner Program.

The academic program description is a short summary of the main features of the program and its courses. It shows what skills students are working to develop based on the program's goals. This description is very important because it is the main part of getting the program accredited, and it is written by the teaching staP together under the supervision of scientific committees in the scientific departments.

This guide, in its second version, includes a description of the academic program after updating the subjects and paragraphs of the previous guide in light of the updates and developments of the educational system in Iraq, which included the description of the academic program in its traditional form (annual, quaJerly), as well as the adoption of the academic program description circulated according to the letter of the Department of Studies T 3/2906 on 3/5/2023 regarding the programs that adopt the Bologna Process as the basis for their work

In this regard, we can only emphasize the importance of writing an academic programs and course description to ensure the proper functioning of the educational process.

Concepts and terminology:

Academic Program Description: The academic program description provides a brief summary of its vision, mission and objectives, including an accurate description of the targeted learning outcomes according to specific learning strategies.

Course Description: Provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the students to achieve, proving whether they have made the most of the available learning opportunities. It is derived from the program description.

Program Vision: An ambitious picture for the future of the academic program to be sophisticated, inspiring, stimulating, realistic and applicable.

Program Mission: Briefly outlines the objectives and activities necessary to achieve them and defines the program's development paths and directions.

Program Objectives: They are statements that describe what the academic program intends to achieve within a specific period of time and are measurable and observable.

Curriculum Structure: All courses / subjects included in the academic program according to the approved learning system (quarterly, annual, Bologna Process) whether it is a requirement (ministry, university, college and scientific department) with the number of credit hours.

Learning Outcomes: A compatible set of knowledge, skills and values acquired by students after the successful completion of the academic program and must determine the learning outcomes of each course in a way that achieves the objectives of the program.

Teaching and learning strategies: They are the strategies used by the faculty members to develop students' teaching and learning, and they are plans that are followed to reach the learning goals. They describe all classroom and extra—curricular activities to achieve the learning outcomes of the program.

Academic Program Description Form

University Name: Tikrit University

Faculty/Institute: College of Dentistry

Scientific Department: oral diagnosis

Academic or Professional Program Name: oral diagnosis

Final Certificate Name: Bachelor of Dental Surgery

Academic System: Annual

Description Preparation Date: 2023-2024

Completion Date: 2023-2024

Signature:

Head of Department Name:

Prof.Dr. Intesar jassim mohammed

Date: 27/3/2024

Signature:

Scientific Associate Name:

lect. Lec. Dr. Ahmed Khalf Al-Juburi

Date:

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department: Date:

Signature:

Approval of the Dean

1. Program Vision
An ambitious picture for the future of the oral diagnosis, to be advanced, inspiring, motivating, realistic, and applicable
2. Program Mission
Program mission is written here as stated in the university's catalogue and website.
It briefly explains the goals and activities necessary to achieve them, and also identifies the paths and trends of the specialty's development.
3. Program Objectives
<ol style="list-style-type: none"> 1. To provide the student with a cognitive skill about the basic concepts of oral tissues in general 2. - It is concerned with introducing the student to the basic components of the cells and tissues of the mouth and teeth. 3. Building a research educational base capable of keeping pace with and absorbing the continuous and continuous development in radiology and its various applications. 4. Graduating distinguished generations capable of absorbing advanced modern technology through academic standards and local and international benchmarks. 5. To give students enough information and knowledge about cell and tissue and any changes might happen. 6. To explain diagnostic tool including x ray and histopathological pictures. 7. Understand the different types of diseases that affect the mouth and teeth. 8. Follow the correct scientific guidance to determine the possibilities to reach the correct diagnosis
4. Program Accreditation
Does the program have program accreditation? And from which agency?
no
5. Other external influences

Is there a sponsor for the program?

Researches, laboratory sessions and clinical application

6 Program Structure (Oral Histology& Embryology)

Program Structure	Number of Courses	Credit hours	Percentage	Reviews•
Institution Requirements	2	120	100%	basic
College Requirements	2	120	100%	Basic

Department Requirements	2	120	100%	Basic
Summer Training	no			
Other				
6 Program Structure (Oral Radiology)				
Program Structure	Number of Courses	Credit hours	Percentage	Reviews•
Institution Requirements	2	90	100%	basic
College Requirements	2	90	100%	basic
Department Requirements	2	90	100%	Basic
Summer Training	no			
Other				
6 Program Structure (oral pathology)				
Program Structure	Number of Courses	Credit hours	Percentage	Reviews•
Institution Requirements	2	150	100%	basic
College Requirements	2	150	100%	basic
Department Requirements	2	150	100%	Basic
Summer Training	no			
Other				
6 Program Structure (oral medicine)				
Program Structure	Number of Courses	Credit hours	Percentage	Reviews•
Institution Requirements	2	150	100%	basic
College Requirements	2	150	100%	basic
Department Requirements	2	150	100%	Basic
Summer Training	Yes			
Other				

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

7. Program Description				
Year/Level	Course Code	Course Name	Credit Hours	
			Theoretical	Practical
Second	OHE266	Oral histology & Embryology	60	60
Third	DRD346	Oral Radiology	30	60
Forth	OPT477	Oral Pathology	60	120
fifth	OMD563	Oral Medicine	30	120

8. Expected learning outcomes of the program

Knowledge

Learning Outcomes 1	Learning Outcomes Statement 1
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Skills

Learning Outcomes 2	Learning Outcomes Statement 2
Learning Outcomes 3	Learning Outcomes Statement 3
Ethics	
Learning Outcomes 4	Learning Outcomes Statement 4
Learning Outcomes S	Learning Outcomes Statement 5

9. Teaching and Learning Strategies

- 1- Lectures with explanation and clarification using power point.
- 2- Urging students to use the library as one of the learning methods.
- 3- The method of self-learning by supporting the learner's environment.
- 4- Urging students to use the Internet as a supportive means of learning.
- 5- Using the principle of discussion and dialogue to increase students' comprehension.
- 6- Applying education through the practical part of the course.

10. Evaluation methods

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

11. Faculty						
Faculty Members						
Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
Intesar Jassem Mohammed	Dentist	Oral			Prof. Dr.	
Areej Salim Dawood	Dentist	Histology			Asst.lec.	
Fatima Gazi aswad	Dentist	Oral			Asst.lec.	
Marwa Waleed Shakir	Dentist	Pathology			Asst. lec	
		Oral				
		Medicine				

Professional Development

Mentoring new faculty members

Staying updated on the latest developments in scientific research, attending educational clinics, and attending training courses

Professional development of faculty members

Attending leadership courses and scientific conferences inside and outside Iraq

12. Acceptance Criterion

A. Central admission

B. The applicant must have a preparatory certificate in the scientific branch (biology)

13. The most important sources of information about the program

1-The website of the college and university

2- Prescribed methodological books

3-The Internet

14. Program Development Plan

Program Skills Outline															
				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
Second	OHE266	Oral Histology	Basic	✓	✓	✓		✓	✓			✓	✓	✓	✓
Third	DRD346	Oral Radiology	Basic	✓	✓	✓		✓	✓	✓		✓	✓	✓	✓
Forth	OPT477	Oral Pathology	Basic	✓	✓	✓		✓	✓			✓	✓	✓	✓
Fifth	OMD563	Oral Medicine	Basic	✓	✓	✓		✓	✓	✓		✓	✓	✓	✓

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

Course Description Form
(Oral Histology & Embryology)

1. Course Name:	
Oral Histology& Embryology	
2. Course Code:	
OHE266	
3. Semester / Year:	
Second stage	
4. Description Preparation Date:	
2023-2024	
5. Available Attendance Forms:	
Attendance (Theoretical+ labs)	
6. Number of Credit Hours (Total) / Number of Units (Total)	
120 hours (60 hours Theoretical +60hours lab)	
7. Course administrator's name (mention all, if more than one name)	
1. Name: Prof. Dr. Intesar Jasim Mohammed Email: dr.intesarjm@tu.edu.iq 2. name: assest. Lec. Areej Salim Dawood Email: Areej-salim@tu.edu.iq	
8. Course Objectives	
1. Provide the skill of perceiving the steps of preparing the tissue ^{.....} slide that is being examined under a light microscope. _{.....} 2. The ability to distinguish the tissues that make up the teeth on the one hand, and the tissues of the mouth and jawbones on the other. 3. Distinguishing the different dyes used in preparing the slides for the tissue to be examined. 4. The possibility of determining the types of tissue sections.	
9. Teaching and Learning Strategies	
Strategy	1- Lectures with explanation and clarification using Power Point. 2- Urging students to use the library as one of the learning methods. 3- The method of self-learning by supporting the learner's environment. 4- Urging students to use the Internet as a supportive means of learning. 5- Using the principle of discussion and dialogue to increase students' comprehension. 6- Applying education through the practical part of the course.
10. Course Structure	
Theoretical part	

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2 theoretical hours	Understand the concepts & basics	Embryogenesis: first week, ovulation, fertilization and implantation	Deliver the lecture with explanation & clarification using power point	Quiz
2	2 theoretical hours	Understand the concepts & basics	2nd week, Bilaminar germ layer	Deliver the lecture with explanation & clarification using power point	Quiz
3	2 theoretical hours	Understand the concepts & basics	3rd week trilaminar germ layer: gastrulation and neurulation	Deliver the lecture with explanation & clarification using power point	Quiz
4	2 theoretical hours	Understand the concepts & basics	Development of head and neck(pharyngeal arch,pouch & cleft	Deliver the lecture with explanation & clarification using power point	Quiz
5	2 theoretical hours	Understand the concepts & basics	Development of face and anomalies	Deliver the lecture with explanation & clarification using power point	Quiz
6	2 theoretical hours	Understand the concepts & basics	Development of tongue and anomalies	Deliver the lecture with explanation & clarification using power point	Quiz
7	2 theoretical hours	Understand the concepts & basics	Development of palate and anomalies	Deliver the lecture with explanation & clarification using power point	Quiz
8	2 theoretical hours	Understand the concepts & basics	Slide preparation	Deliver the lecture with explanation & clarification using power	Quiz

				point	
9	2 theoretical hours	Understand the concepts & basics	Tooth development and developmental disturbances of teeth	Deliver the lecture with explanation & clarification using power point	Quiz
10	2 theoretical hours	Understand the concepts & basics	Dentinogenesis and dentin structure	Deliver the lecture with explanation & clarification using power point	Quiz
11	2 theoretical hours	Understand the concepts & basics	Amelogenesis, Enamel structures	Deliver the lecture with explanation & clarification using power point	Quiz
12	2 theoretical hours	Understand the concepts & basics	Clinical consideration for dentin and enamel	Deliver the lecture with explanation & clarification using power point	1 st Sem.Exam.
13	2 theoretical hours	Understand the concepts & basics	Dental Pulp	Deliver the lecture with explanation & clarification using power point	Quiz
14	2 theoretical hours	Understand the concepts & basics	Cementum and clinical consideration	Deliver the lecture with explanation & clarification using power point	Quiz
15	2 theoretical hours	Understand the concepts & basics	Root formation& Cementogenesis	Deliver the lecture with explanation & clarification using power point	Quiz
			Mid- Year Exam		
16	2 theoretical hours	Understand the concepts & basics	Periodontal ligaments	Deliver the lecture with explanation & clarification using power	Quiz

				point	
17	2 theoretical hours	Understand the concepts & basics	Principles fiber of PDL and gingival fibers	Deliver the lecture with explanation & clarification using power point	Quiz
18	2 theoretical hours	Understand the concepts & basics	Alveolar bone	Deliver the lecture with explanation & clarification using power point	Quiz
19	2 theoretical hours	Understand the concepts & basics	Bone formation and resorption	Deliver the lecture with explanation & clarification using power point	Quiz
20	2 theoretical hours	Understand the concepts & basics	Proteins involve in mineralization of bone and dentin	Deliver the lecture with explanation & clarification using power point	Quiz
21	2 theoretical hours	Understand the concepts & basics	Oral mucosa and their types	Deliver the lecture with explanation & clarification using power point	Quiz
22	2 theoretical hours	Understand the concepts & basics	Gingiva and dentogingival junction	Deliver the lecture with explanation & clarification using power point	2 nd Sem. Exam.
23	2 theoretical hours	Understand the concepts & basics	Eruption of teeth	Deliver the lecture with explanation & clarification using power point	Quiz
24	2 theoretical hours	Understand the concepts & basics	Shedding of teeth	Deliver the lecture with explanation & clarification using power point	Quiz

25	2 theoretical hours	Understand the concepts & basics	Salivary gland	Deliver the lecture with explanation & clarification using power point	Quiz
26	2 theoretical hours	Understand the concepts & basics	Salivary proteins	Deliver the lecture with explanation & clarification using power point	Quiz
27	2 theoretical hours	Understand the concepts & basics	TMJ	Deliver the lecture with explanation & clarification using power point	Quiz
28	2 theoretical hours	Understand the concepts & basics	Maxillary sinus	Deliver the lecture with explanation & clarification using power point	Quiz
29	2 theoretical hours	Understand the concepts & basics	Maxillary sinus	Deliver the lecture with explanation & clarification using power point	Quiz
30	2 theoretical hours	Understand the concepts & basics	Age changes of soft and a hard tissues	Deliver the lecture with explanation & clarification using power point	Quiz
Total	60 hours		Final Exam.		

Practical part:

week	Title	Methods	Hours
1	First week of development ovulation and implantation	data show	2
2	Second week of development: bilaminar germ layer	data show	2

3	3rd week trilaminar germ layer: gastrulation and neurulation	Video presentation	2
4	Development of head and neck(pharyngeal arch, pouch & cleft)	data show	2
5	Development of face and anomalies	data show	2
6	Development of tongue and anomalies	data show	2
7	Development of palate and anomalies	data show	2
8	Slide preparation	data show	2
9	Tooth development	data show	2
10	Dentinogenesis and dentin structure	data show	2
11	amelogenesis and enamel structure	data show	2
12	Clinical consideration for dentin and enamel	data show	2
13	Dental Pulp	data show	2
14	Cementum	data show	2
15	Root formation & cementogenesis	data show	2
16	PDL	data show	2
17	PDL fiber &gingival fiber	data show	2
18	Alveolar bone	data show	2
19	Bone formation and resorption	data show	2
20	mineralization of bone and dentin	data show	2
21	Oral mucosa	data show	2
22	Gingiva and dentogingival junction	data show	2
23	Eruption of teeth	data show	2
24	Shedding of teeth	data show	2
25	Salivary gland	data show	2
26	Salivary proteins	data show	2
27	TMJ	data show	2
28	Maxillary sinus	data show	2
29	Histochemistry	data show	2
30	Changes in dental hard &soft tissue	data show	2
Total		data show	60

11. Infrastructure	
1. Books Required reading:	1. ORBAN’S Oral Histology and Embryology.G.S. Kumar: 14th edition; C.V. Mosby Company; 2015, Elsevier. 2. Langman’s Medical Embryology. 12th Edition.
2. Main references (sources)	1. Ten Cate’s Oral Histology; Antonio Nanci;7th edition; C.V. Mosby; 2013. 2. Essentials of Oral Histology and Embryology; James K. Avery, Pauline F. Steele; Mosby Year Book; 2000. 3. Oral Anatomy Histology and Embryology; Berkovitz B.K.B., Holland G.R., Moxham B.J.; 5th edition; Mosby; 2018.
A- Recommended books and references (scientific journals, reports...).	1- Journals of Oral Biology
B-Electronic references, Internet sites...	

**Course Description Form
(Oral Radiology)**

1. Course Name:	Oral radiology
2. Course Code:	DRD346
3. Semester / Year:	Third stage
4. Description Preparation Date:	2023-2024
5. Available Attendance Forms:	Attendance (Theoretical + lab)
6. Number of Credit Hours (Total) / Number of Units (Total)	90 h
7. Course administrator's name (mention all, if more than one name)	

Name: assist. lec. Ali Saad Ahmed
 Email: ali.s.ahmed@tu.edu.iq

8. Course Objectives

- 1-Building a research educational base capable of keeping pace with and absorbing the continuous and continuous development in radiology and its various applications.
- 2- Graduating distinguished generations capable of absorbing advanced modern technology through academic standards and local and international benchmarks.
- 3- Continuous development and updating of educational and research programs and keeping pace with the needs of society.
- 4- Commitment to academic work ethics.

9. Teaching and Learning Strategies

Strategy	<ol style="list-style-type: none"> 1- Lectures with explanation and clarification using Power Point. 2- Urging students to use the library as one of the learning methods. 3- The method of self-learning by supporting the learner's environment. 4- Urging students to use the Internet as a supportive means of learning. 5- Using the principle of discussion and dialogue to increase students' comprehension. 6- Applying education through the practical part of the course.
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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	1 theoretical hours	Understand the concepts & basics	Physics of radiation(introduction and definitions of nature of radiation, type of radiation)	Deliver the lecture with explanation & clarification using power point	Quiz
2	1 theoretical hours	Understand the concepts & basics	Production of radiation(x-ray machine, interaction of x-ray with matter) composition of matter	Deliver the lecture with explanation & clarification using power point	Quiz
3	1 theoretical hours	Understand the concepts & basics	Film imaging (types of x-ray films, processing cycle, dark room, intensifying screen	Deliver the lecture with explanation & clarification using power point	Quiz
4	1 theoretical hours	Understand the concepts & basics	Factors controlling x-ray beam , dosimetry and invers square law	Deliver the lecture with explanation & clarification	Quiz

				using power point	
5	1 theoretical hours	Understand the concepts & basics	Projection geometry (sharpness, distortion, image characteristic and artifacts)	Deliver the lecture with explanation & clarification using power point	Quiz
6	1 theoretical hours	Understand the concepts & basics	Biological effects of radiation (direct & indirect effects, deterministic and stochastic effect)	Deliver the lecture with explanation & clarification using power point	Quiz
7	1 theoretical hours	Understand the concepts & basics	Safety and Protection (source of exposure, dose limits, exposure and risk and reducing dental exposure)	Deliver the lecture with explanation & clarification using power point	Quiz
8	1 theoretical hours	Understand the concepts & basics	Intraoral projection (periapical, bitwing, and occlusal radiography)	Deliver the lecture with explanation & clarification using power point	1 st sem. Exam
9	1 theoretical hours	Understand the concepts & basics	Digital radiography (strength, limitations, comparing with conventional radiography and indications)	Deliver the lecture with explanation & clarification using power point	Quiz
10	1 theoretical hours	Understand the concepts & basics	Patient's management (management of pt. child, contrast media & localization technique)	Deliver the lecture with explanation & clarification using power point	Quiz
11	1 theoretical hours	Understand the concepts & basics	Cephalometric imaging (technique, indications, evaluation of the Image)	Deliver the lecture with explanation & clarification using power point	Quiz
12	1 theoretical hours	Understand the concepts & basics	Panoramic radiography (principles, technique, position and interpretation)	Deliver the lecture with explanation & clarification	Quiz

				using power point	
13	1 theoretical hours	Understand the concepts & basics	Craniofacial imaging (types , indication and interpretation)	Deliver the lecture with explanation & clarification using power point	Quiz
14	1 theoretical hours	Understand the concepts & basics	CBCT (principles, components, strength and limitations).	Deliver the lecture with explanation & clarification using power point	Quiz
15	1 theoretical hours	Understand the concepts & basics	CBCT (clinical applications in maxillofacial region, anatomy and interpretations).	Deliver the lecture with explanation & clarification using power point	Quiz
			Mid Term Exam		
16	1 theoretical hours	Understand the concepts & basics	Radiographic anatomy part1 (teeth, supporting dentoalv. structures, maxilla and mid facial bones)	Deliver the lecture with explanation & clarification using power point	Quiz
17	1 theoretical hours	Understand the concepts & basics	Radiographic anatomy part 2(mandible, Tmj, base of skull, air way, restorative materials)	Deliver the lecture with explanation & clarification using power point	Quiz
18	1 theoretical hours	Understand the concepts & basics	Advanced imaging modalities(CT, MRI AND ULTRASOUND)	Deliver the lecture with explanation & clarification using power point	Quiz
19	1 theoretical hours	Understand the concepts & basics	Radiography & Implantology(modalities, indications)	Deliver the lecture with explanation & clarification using power point	Quiz

20	1 theoretical hours	Understand the concepts & basics	Infection control(infection control in radiography clinic, protection of pt., protection of workers)	Deliver the lecture with explanation & clarification using power point	Quiz
21	1 theoretical hours	Understand the concepts & basics	Prescribing diagnostic imaging(radiologic examination and guide lines for ordering imaging)	Deliver the lecture with explanation & clarification using power point	Quiz
22	1 theoretical hours	Understand the concepts & basics	Radiographical interpretations of common diseases(interpretation of dental caries, and periodontal disease	Deliver the lecture with explanation & clarification using power point	Quiz
23	1 theoretical hours	Understand the concepts & basics	Cysts of the jaw(odontogenic and non odontogenic cysts)	Deliver the lecture with explanation & clarification using power point	2 nd Sem. Exam
24	1 theoretical hours	Understand the concepts & basics	Dental anomalies(acquired and developmental)	Deliver the lecture with explanation & clarification using power point	Quiz
25	1 theoretical hours	Understand the concepts & basics	Inflammatory conditions of the jaws(periapical inf disease, osteomyelitis, pericoronitis)	Deliver the lecture with explanation & clarification using power point	Quiz
26	1 theoretical hours	Understand the concepts & basics	Trauma(dento alveolar trauma , dental fractures and bone fructose	Deliver the lecture with explanation & clarification using power point	Quiz
27	1 theoretical hours	Understand the concepts & basics	TMJ abnormalities(anatomy of TMJ, application)	Deliver the lecture with explanation & clarification using power point	Quiz

28	1 theoretical hours	Understand the concepts & basics	Salivary gland disease (imaging modalities, interpretation)	Deliver the lecture with explanation & clarification using power point	Quiz
29	1 theoretical hours	Understand the concepts & basics	Craniofacial anomalies (Cleft lip and palat)	Deliver the lecture with explanation & clarification using power point	Quiz
30	1 theoretical hours	Understand the concepts & basics	Computed tomography(indications ,strength, limitations)	Deliver the lecture with explanation & clarification using power point	Quiz
Total	30		Final Exam		

Practical part:

week	Practical Session: Title of the project	Hours
1	Fundamentals of radiology: component of x- ray machine and production of X-ray	2
2	X-ray film (types and indication)	
3	Intraoral techniques(periapical, bite-wing and occlusal films)	2
4	Ideal radiograph.	2
5	Land marks (maxilla, mandible)	2
6	Dental panoramic radiography(indication and anatomy)	2
7	CBCT (indication and anatomy)	2
8	Cephalometric (indication and anatomy)	2
9	Common disease (caries , PDL	2
10	Cyst(odontogenic and Cyst(odontogenic and nonodontogenic	2
11	Clinic work.	2

12	Clinic work.	2
13	Clinic work.	2
14	Clinic work.	2
15	Mid-year exam.	2
16	Clinic work.	2
17	Clinic work.	2
18	Clinic work.	2
19	Clinic work.	2
20	Clinic work.	2
21	Clinic work.	2
22	Clinic work.	2
23	Clinic work.	2
24	Clinic work.	2
25	Clinic work.	2
26	Clinic work.	2
27	Clinic work.	2
28	Clinic work.	2
29	Clinic work.	2
30	Clinic work.	2
Total		60

11. Infrastructure	
1. Books Required reading:	White and Pharoah's Oral radiology principles and interpretation. Sanjay Mallya and Ernest Lam. 8th edition. 2019, Elsevier.
2. Main references (sources)	1- Essentials of Dental Radiography and Radiology; 3 rd edition, Eric Whites 2- Dental Radiography Principles and Techniques; 4 th edition, Joen M. Lannucci/Laura Jansen Howerton
A- Recommended books and references (scientific journals, reports...).	
B-Electronic references, Internet sites...	

Course Description Form
(Oral Pathology)

1. Course Name:	Oral Pathology
2. Course Code:	OPT477
3. Semester / Year:	Forth stage	
4. Description Preparation Date:	2023-2024	
5. Available Attendance Forms:	Attendance (Theoretical + lab)	
6. Number of Credit Hours (Total) / Number of Units (Total)	150 h	
7. Course administrator's name (mention all, if more than one name)	Name: assist. Lec. Fatima Gazi Aswad Email:	

8. Course Objectives

1. To give students enough information and knowledge about cell and tissue and any changes might happen.
2. To explain diagnostic tool including x ray and histopathological pictures.
3. Teaching any related signs that give a diagnosis to systemic disease.
4. Expert any abnormalities about oral cavity tissues.
5. Forensic dentistry information to be delivered
6. Knowing the importance of oral pathology science in the future

9. Teaching and Learning Strategies

1. The method of giving lectures with explanation and clarification using PowerPoint.
2. Urging students to use the library as one of the learning methods.
3. The method of self-learning by supporting the learner's environment.
4. Urging students to use the Internet as a supportive tool for learning.
5. Using the principle of discussion and dialogue to increase students' comprehension.
6. The application of education through the practical part.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2 theoretical hours	Understanding the basics and applying them	Biopsy in oral pathology	Deliver the lecture with explanation & clarification using power point	Quiz
2	2 theoretical hours	Understanding the basics and applying them	Healing in oral pathology	Deliver the lecture with explanation & clarification using power point	Quiz
3	2 theoretical hours	Understanding the basics and applying them	Dental caries	Deliver the lecture with explanation & clarification using power point	Quiz
4	2 theoretical hours	Understanding the basics and applying them	Pulpitis	Deliver the lecture with explanation & clarification using power point	Quiz

5	2 theoretical hours	Understanding the basics and applying them	Periapical lesions	Deliver the lecture with explanation & clarification using power point	Quiz
6	2 theoretical hours	Understanding the basics and applying them	Osteomyelitis	Deliver the lecture with explanation & clarification using power point	Quiz
7	2 theoretical hours	Understanding the basics and applying them	Developmental disorder of teeth	Deliver the lecture with explanation & clarification using power point	First semester exam
8	2 theoretical hours	Understanding the basics and applying them	Developmental disorder of soft and hard tissue	Deliver the lecture with explanation & clarification using power point	Quiz
9	2 theoretical hours	Understanding the basics and applying them	Non odontogenic cysts	Deliver the lecture with explanation & clarification using power point	Quiz
10	2 theoretical hours	Understanding the basics and applying them	Odontogenic cysts	Deliver the lecture with explanation & clarification using power point	Quiz
11	2 theoretical hours	Understanding the basics and applying them	Odontogenic tumors 1	Deliver the lecture with explanation & clarification using power point	Quiz
12	2 theoretical hours	Understanding the basics and applying them	Odontogenic tumors 2	Deliver the lecture with explanation & clarification using power point	Quiz

13	2 theoretical hours	Understanding the basics and applying them	Benign epithelial lesions, leukoplakia	Deliver the lecture with explanation & clarification using power point	Quiz
14	2 theoretical hours	Understanding the basics and applying them	Epithelial Hyperplasia, atrophy and dysplasia	Deliver the lecture with explanation & clarification using power point	Quiz
15	2 theoretical hours	Understanding the basics and applying them	Squamous cell carcinoma and other malignant epithelial neoplasms	Deliver the lecture with explanation & clarification using power point	Quiz
			Mid-year Exam.		
16	2 theoretical hours	Understanding the basics and applying them	Fibro osseous lesions, metabolic and genetic conditions	Deliver the lecture with explanation & clarification using power point	Quiz
17	2 theoretical hours	Understanding the basics and applying them	Giant cell lesions	Deliver the lecture with explanation & clarification using power point	Quiz
18	2 theoretical hours	Understanding the basics and applying them	Benign tumor of the bone	Deliver the lecture with explanation & clarification using power point	Quiz
19	2 theoretical hours	Understanding the basics and applying them	Malignant tumor of the bon	Deliver the lecture with explanation & clarification using power point	Quiz

20	2 theoretical hours	Understanding the basics and applying them	Viral infection	Deliver the lecture with explanation & clarification using power point	Quiz
21	2 theoretical hours	Understanding the basics and applying them	Diseases of salivary glands	Deliver the lecture with explanation & clarification using power point	Quiz
22	2 theoretical hours	Understanding the basics and applying them	Immune mediated disorder 1	Deliver the lecture with explanation & clarification using power point	Second semester exam
23	2 theoretical hours	Understanding the basics and applying them	Immune mediated disorder 2	Deliver the lecture with explanation & clarification using power point	Quiz
24	2 theoretical hours	Understanding the basics and applying them	Connective tissue lesions	Deliver the lecture with explanation & clarification using power point	Quiz
25	2 theoretical hours	Understanding the basics and applying them	Connective tissue lesions	Deliver the lecture with explanation & clarification using power point	Quiz
26	2 theoretical hours	Understanding the basics and applying them	Salivary gland disorders	Deliver the lecture with explanation & clarification using power point	Quiz
27	2 theoretical hours	Understanding the basics and applying them	Salivary gland neoplasms	Deliver the lecture with explanation & clarification using power point	Quiz

28	2 theoretical hours	Understanding the basics and applying them	Physical and chemical injuries	Deliver the lecture with explanation & clarification using power point	Quiz
29	2 theoretical hours	Understanding the basics and applying them	Hematopoietic tumors	Deliver the lecture with explanation & clarification using power point	Quiz
30	2 theoretical hours	Understanding the basics and applying them	Forensic odontology	Deliver the lecture with explanation & clarification using power point	Quiz
Total	60		Final Exam.		

Practical part:

Lab. No.	Practical Subject Title	Hours
1	Data show and demonstration of biopsy processing	3
2	Data show about Healing in oral pathology	3
3	Acute and chronic dental caries	3
4	Acute pulpitis, chronic pulpitis and pulp polyp	
5	Periapical granuloma, cyst and abscess	3
6	Acute and chronic osteomyelitis and sequestrum	3
7	Data show about developmental disorder of teeth	3
8	Data show about developmental disorder of soft tissue	3
9	Data show about non odontogenic cysts	3
10	Dentigerous cyst, keratocyst ,calcifying odontogenic cyst and eruption cyst	3
11	Ameloblastoma,adenomatoid odontogenic tumor and odontoma	3
12	Ameloblastic fibroma odontoma	3
13	Leukoplakia, squamous cell papilloma	3
14	Epithelial dysplasia	3
15	Squamous cell carcinoma	3
16	Fibro dysplasia, ossifying fibroma	3
17	Giant cell lesions ,central and peripheral giant cell granuloma	3
18	Osteoma	3
19	Osteosarcoma	3
20	Data show about viral infection	3
21	Data show about bacterial and fungal infection	3
22	Lichen planus	3
23	Pemphigus vulgaris	3
24	Fibroma, and pyogenic granuloma	3
25	Hemangioma, and lymphangioma	3
26	Mucocele and data show	3
27	Pleomorphic adenoma and mucoepidermoid carcinoma	3
28	Data show physical and chemical injuries	3
29	Hematological neoplasms	3
30	Data show about forensic dentistry	3
Total		90

11. Infrastructure	
1. Books Required reading:	- Oral and maxillofacial pathology. Brad Neville, Douglas Damm Carl Allen and Jerry Bouquot. 4th edition. 2016, Elsevier.
2. Main references (sources)	1- Oral pathology: clinical- pathological correlations. RegeziJA, Sciubba JJ, Jordan RCK. 5 th edi. 2009.
A- Recommended books and references (scientific journals, reports...).	
B-Electronic references, Internet sites...	

Course Description Form
(Oral Medicine)

1. Course Name:					
Oral Medicine					
2. Course Code:					
OMD553					
3. Semester / Year:					
Fifth stage					
4. Description Preparation Date:					
2023-2024					
5. Available Attendance Forms:					
Attendance (Theoretical+ lab)					
6. Number of Credit Hours (Total) / Number of Units (Total)					
150 h					
7. Course administrator's name (mention all, if more than one name)					
Name: assist. Lec. Marwah Waleed Shakir Email: marwah89@gmail.com					
8. Course Objectives					
<ol style="list-style-type: none"> 1. Understand the different types of diseases that affect the mouth and teeth. 2. Follow the correct scientific guidance to determine the possibilities to reach the correct Diagnosis. 3. Knowing how to treat various diseases that affect the mouth and teeth. 					
9. Teaching and Learning Strategies					
<ol style="list-style-type: none"> 2- Urging students to use the library as one of the learning methods. 3- The method of self-learning by supporting the learner's environment. 4- Urging students to use the Internet as a supportive means of learning. 5- Using the principle of discussion and dialogue to increase students' comprehension. 6- Applying education through the practical part of the course. 					
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
2&1	1 theoretical	Understand the concepts & basics	The principles of oral diagnosis Clinical examinations	Deliver the lecture with explanation &	Quiz

	hours weekly			clarification using power point	
4&3	1 theoretical hours weekly	Understand the concepts & basics	Laboratory investigations in dentistry	Deliver the lecture with explanation & clarification using power point	Quiz
6&5	1 theoretical hours weekly	Understand the concepts & basics	orofacial pain	Deliver the lecture with explanation & clarification using power point	Quiz
8&7	1 theoretical hours weekly	Understand the concepts & basics	TMJ disorder	Lecture using power point	1 st Sem. Exam.
&10&9 11	1 theoretical hours weekly	Understand the concepts & basics	Oral ulceration and Vesiculo-bullous lesions	Deliver the lecture with explanation & clarification using power point	Quiz
13&12	1 theoretical hours weekly	Understand the concepts & basics	White & red lesions	Deliver the lecture with explanation & clarification using power point	Quiz
15&14	1 theoretical hours weekly	Understand the concepts & basics	Early detection of oral cancer	Deliver the lecture with explanation & clarification using power point	Quiz
			Mid- Year Exam.		
17&16	1 theoretical hours weekly	Understand the concepts & basics	Pigmented oral lesions	Deliver the lecture with explanation & clarification using power point	Quiz

19&18 & 21&20	1 theoretic al hours weekly	Understand the concepts & basics	Benign, Premalignant and malignant lesions of the oral cavity	Deliver the lecture with explanation & clarification using power point	Quiz
23&22	1 theoretic al hours weekly	Understand the concepts & basics	Neuromuscular disorder	Deliver the lecture with explanation & clarification using power point	2 nd Sem. Exam
25&24	1 theoretic al hours weekly	Understand the concepts & basics	Salivary gland diseases	Deliver the lecture with explanation & clarification using power point	Quiz
&27&28 26	1 theoretic al hours weekly	Understand the concepts & basics	Autoimmune diseases	Deliver the lecture with explanation & clarification using power point	Quiz
29&30	1 theoretic al hours weekly	Understand the concepts & basics	Oral manifestation of allergic reaction	Deliver the lecture with explanation & clarification using power point	Quiz
Total	30		Final Exam.		

Clinical part:

Lab. number	Study unit title	hours
1	Laboratory investigations in dentistry, clinic	4
2	Viral infection, clinic	4
3	Bacterial infection, clinic	4
4	Fungal infection clinic	4
5	Diseases of Respiratory tract clinic	4
6	Diseases of cardiovascular system	4

	clinic	
7	Diseases of gastrointestinal tract clinic	4
8	Renal diseases clinic	4
9	Anemia clinic	4
10	Leukemia clinic	4
11	Bleeding and clotting disorders clinic	4
12	Immunologic diseases clinic	4
13	Diseases of thyroid gland clinic	4
14	Diabetes mellitus clinic	4
15	Orofacial pain and common headache disorders clinic	4
16	Neuromuscular diseases clinic	4
17	Temporomandibular disorders clinic	4
18	Salivary gland disorders clinic	4
19	Drugs in dentistry clinic	4
20	Drugs induced oral lesions clinic	4
21	Panoramic image interpretation clinic	4
22	Allergy clinic	4
23	Ulcerative ,vesicular, and bullous lesions clinic	4
24	Red and white lesions of the oral mucosa clinic	4
25	Pigmented lesions of the oral mucosa clinic	4
26	Benign lesions of the oral cavity and the jaw clinic	4
27	Oral and oropharyngeal cancer clinic	4
28	LASER in oral medicine clinic	4
29	Geriatric oral medicine clinic	4
30	Pediatric oral medicine clinic	4

Total		120
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11. Infrastructure	
1. Books Required reading:	Burket's oral medicine. Michael Glick, Martin Greenberg, Peter Lockhart and Dstephen Challacombe. 13th edition.2021, Wiley Black well
2. Main references (sources)	1- BURKETS Oral Medicine, thirteen edition, 2015. 2- Cawsons essentials of oral pathology and oral medicine 2002.
A- Recommended books and references (scientific journals, reports...).	1- TEXTBOOK OF ORAL MEDICINE, 2nd edition, 2010. 2- Cawsons essentials of oral pathology and oral medicine 2002.
B-Electronic references, Internet sites...	

