1. Course Name:

Community Dentistry

2. Course Code:

DNT308

3. Semester / Year:

2023-2024

4. Description Preparation Date:

28/4/2024

5. Available Attendance Forms:

Attendance and Laboratories

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

30h: Theory -60h clinical

4 Units

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

Wesam Adnan Sami wisamsami08@uoanbar.edu.iq

8. Course Objectives

Course

Provide critical knowledge of dental public health -

Objectives

Develop students understanding of the major oral health problems of a community -

- Enable students to understand health services, public health program dental occupation hazard and most important scientific research methods

9. Teaching and Learning Strategies

Strategy

Active and Cooperative Learning: Encouraging students to actively participate in educational processes, such as group discussions and collaborative projects. Case studies and simulations can be used to enhance students' understanding of the applications of community dentistry in real-life contexts.

Problem-Based Learning: Presenting real-life and specific problems related to the field of community dentistry, forcing students to engage in critical thinking and search for innovative solutions using acquired knowledge.

Innovative and Stimulating Teaching: Using innovative teaching materials such as educational videos, interactive presentations, and smartphone applications to make learning more exciting and effective.

10. Course Structure						
Wee k	Hour s	ILOs	Unit/Mo dule or Topic Title	Teachin g Metho d	Assessme nt Method	
1	1	Dental public health	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic	
2	1	Dental Public Care	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic	
3	1	Epidemiology	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic	
4	1	Epidemiological studies	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic	
5	1	Experimental studies	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic	
6	1	Epidemiology of dental caries	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic	
7	1	Epidemiology of periodontal disease	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic	
8	1	Epidemiology of oral cancer	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic	
9	1	Dental indices	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic	
10	1	Indices used for assessment of dental caries	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic	
11	1	Indices used for assessment of periodontal disease	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic	
12	1	Dental fluorosis	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic	
13	1	Biostatistics	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic	
14	1	Data presentation	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic	
15	1	Measures of central tendency	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic	

		and dispersion			
16	1	Fluoridation as a public health measure	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
17	1	Fluoridation Mechanism and Effects	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
18	1	Occupational hazards in Dentistry	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
19	1	Environment and health	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
20	1	Effect of air pollution on health	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
21	1	School dental health program	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
22	1	Treatment need and demand	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
23	1	Manpower	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
24	1	Ethics in Dentistry	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
25	1	Oral health care for special population	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
26	1	Forensic Dentistry	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
27	1	Dental auxiliary persons	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
28	1	Primary health care	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
29	1	infection control	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
30	1	Dental health education	Community Dentistry	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic

Practical requirements

Lab. number	Lab. Title	Hours
1	Community Dentistry	2

2	Patients setting and examination	2
3	Clinical examination	2
4	Basic tooth numbering	2
5	Clinical examination	2
6	index	2
7	Dental caries	2
8	Theories of caries formation	2
9	Dental caries index	2
10	Clinical examination	2
11	Clinical examination	2
12	Deciduous teeth	2
13	Clinical examination	2
14	Clinical examination	2
15	Prevention of dental caries	2
16	fluoride	2
17	Periodontal diseases	2
18	Index for plaque assessment	2
19	Clinical examination	2
20	Clinical examination	2
21	Index for calculus assessment	2
22	Clinical examination	2
23	Clinical examination	2
24	Gingival disease index	2
25	Clinical examination	2
26	Clinical examination	2
27	Periodontal prevention	2
28	Tooth brushing/ mechanical plaque control	2
29	Clinical assistant	2
30	Clinical assistant	2

1	The first term exam (theory and	20
	practical)	
2	The second term exam (theory and	20
	practical)	
3	The final exam (theory and practical)	60

12. Learning and Teaching Resources	
	Daly B, Watt R, Btchelor P, Treasure E. Essential Dental Public Health. University Press
Main references (source)	Dental Fuolic Health. Onliversity Fress
	Bowling A., Research Methods in Health
	Monthly scientific journals, in addition to reports
	that work periodically to improve the properties of materials
Recommended books and references (scientific journal	
reports)	The strategy of preventive medicine
	Community oral health
	Using the Internet for the purpose of learning
Electronic references, websites.	everything new in the field of dental materials.
	Pub med, Google scholar, Web of Science

1. Course Name:

Orthodontics

2. Course Code:

DNT 50

3. Semester / Year:

2023-2024

4. Description Preparation Date:

1/5/2024

5. Available Attendance Forms:

Attendance and clinical practice

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

60/120/6

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

Assist, Prof. Zena Hekmet Basheer

8. Course Objectives

Course Objectives

Providing the student with a knowledge skill about the basic concepts of community dentistry in general 2- It is concerned with introducing the student to dealing with the individual within the family, with knowledge of preventive methods and the ability to diagnose and treat. 3- Providing the student with information about connecting with the patient within the family regarding physical, social and psychological aspects 4. Definition of the importance of Preventive Dentistry and applications for individuals and society, and particular to the widespread diseases such as dental diseases

9. Teaching and Learning Strategies

10 Course Structure

Strategy

1- Giving lectures (explanation and clarification). 2- Using technological teaching aids as teaching aids (educational films, electronic lectures). 3- Urgir g students to use the library as one of the learning methods. 4- Practical training for the student and enabling him to treat several cases of patients attending the Teaching Hospital of the College of Dentistry / Tikrit University, and the treatment is under the direct supervision of the specialized teachers.

Exam

10.00	10. Course structure						
Wee	k Hour s	ILOs	Unit/Module or Topic Title	Teachin g Method	Assessme nt Method		
1	2	Tutorial and slides	Orthodontic diagnosis and	Powerpoint lectures	Short exams, Semester,and final		

<u>treatment</u>

planning:

			a. Personal data (name, age, gender, race, address, reference and chief complaint, motivation, dental and medical history, prenatal history, postnatal history, and family history)		
2	2	Tutorial and slides	b. Clinical examination i. General body stature ii. Face examination in 3 dimensions (facial proportion, facial divergence, profile analysis)	Powerpoint lectures	Short exams, Semester,and final Exam
3	2	Tutorial and slides	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)	Powerpoint lectures	Short exams, Semester,and final Exam
4	2	Tutorial and slides	v. Occlusion (classification, midline, overjet and overbite) vi. Dentition (teeth number, position, dental age, wear, cracks and white spots)	Powerpoint lectures	Short exams, Semester,and final Exam

			vii. Temporomandib ular joint		
5	2	Tutorial and slides	c. Diagnostic aids i. orthopantomogr aphy (development, advantages, disadvantages, limitations, uses) ii. Study models (preparation, advantages, disadvantages, uses)	Powerpoint lectures	Short exams, Semester,and final Exam
6	2	Tutorial and slides	radiographs (skeletal maturity, localization , root resorption)	Powerpoint lectures	Short exams, Semester,and final Exam
7	2	Tutorial and slides	Orthodontic diagnosis and treatment planning: a. Personal data (name, age, gender, race, address, reference and chief complaint, motivation, dental and medical history, prenatal history, postnatal history, and family history)	Powerpoint lectures	Short exams, Semester,and final Exam
8	2	Tutorial and slides	v. Photography vi. 3D imaging	Powerpoint lectures	Short exams, Semester,and final Exam
9	2	Tutorial and slides	d. Consent form	Powerpoint lectures	Short exams, Semester,and final Exam

	2	Tutorial	e. treatment	Powerpoint	Short exams,
10		and slides	planning: preventive,	lectures	Semester,and final
10			interceptive, and corrective		EXUII
	2	Tutorial	treatment of	Powerpoint	Short exams,
11		and slides	medically	lectures	Semester,and final
			compromised patients		Exam
	2	Tutorial	<u>Incisal overbite</u>	Powerpoint	Short exams,
		and slides	and crossbite: a. Deep bite	lectures	Semester,and final Exam
12			(types, etiology,		LAGIII
			treatment)		
	2	Tutorial	b. Open bite	Powerpoint	Short exams,
13		and slides	(types, etiology, treatment	lectures	Semester,and final Exam
13			skeletal vs.		Exaiii
			dental)		_
	2	Tutorial and slides	c. Cross bite and scissors bite	Powerpoint lectures	Short exams, Semester,and final
1.4		and shacs	(types, etiology,	icetares	Exam
14			treatment,		
			skeletal vs. dental)		
	2	Tutorial	Crowding,	Powerpoint	Short exams,
		and slides	spacing, space need:	lectures	Semester,and final Exam
			a. Types of		Exaiii
15			crowding		
			(primary, secondary		
			and tertiary)		
	2	Tutorial and slides	b. Space analysis (in permanent	Powerpoint lectures	Short exams, Semester,and final
		arra siraes	and mixed	100001.00	Exam
			dentition,		
16			space required and		
. •			potential		
			space,		
			methods, Bolton's ratio)		
			c. Space creation		
17	2	Tutorial	Digital	Powerpoint	Short exams,

		and slides	orthodontic	lectures	Semester,and final Exam
18	2	Tutorial and slides	d. Closure of spaces (molar protraction, incisor retraction, conservative)	Powerpoint lectures	Short exams, Semester,and final Exam
19	2	Tutorial and slides	e. Teeth extraction in orthodontics (Types: enforced, therapeutic, Wilkinson, balancing and compensating extractions) (indications, advantages, disadvantage s for each tooth) f. Serial extraction (definition, indications, procedure, advantages, limitations)	Powerpoint lectures	Short exams, Semester,and final Exam
20	2	Tutorial and slides	Treatment of common local factors: Including definition, prevalence, etiology, types, effect on occlusion, and treatment (with emphasis maxillary canine): a. Extra-teeth (supernumerary) and missing teeth (hypodontia)	Powerpoint lectures	Short exams, Semester,and final Exam
21	2	Tutorial	b. Early loss of	Powerpoint	Short exams,

		and slides	deciduous teeth(space maintainers and space regainers) c. Retained deciduous teeth, delayed eruption of permanent teeth, impacted teeth, ankylosis	lectures	Semester,and final Exam
22	2	Tutorial and slides	d. Abnormal eruptive behavior (displacement, transposition) e. Large frenum (labial and lingual)	Powerpoint lectures	Short exams, Semester,and final Exam
23	2	Tutorial and slides	f. Bad oral habits	Powerpoint lectures	Short exams, Semester,and final Exam
24	2	Tutorial and slides	Treatment of general factors: a. Class I treatment (etiology, skeletal and soft tissue pattern, dental factors, bimaxillary proclination, treatment methods and time)	Powerpoint lectures	Short exams, Semester,and final Exam
25	2	Tutorial and slides	b. Class II div. 1 treatment (etiology, skeletal and soft tissue pattern, dental factors, habits, treatment methods and time)	Powerpoint lectures	Short exams, Semester,and final Exam
26	2	Tutorial and slides	c. Class II div. 2 treatment (etiology, skeletal	Powerpoint lectures	Short exams, Semester,and final Exam

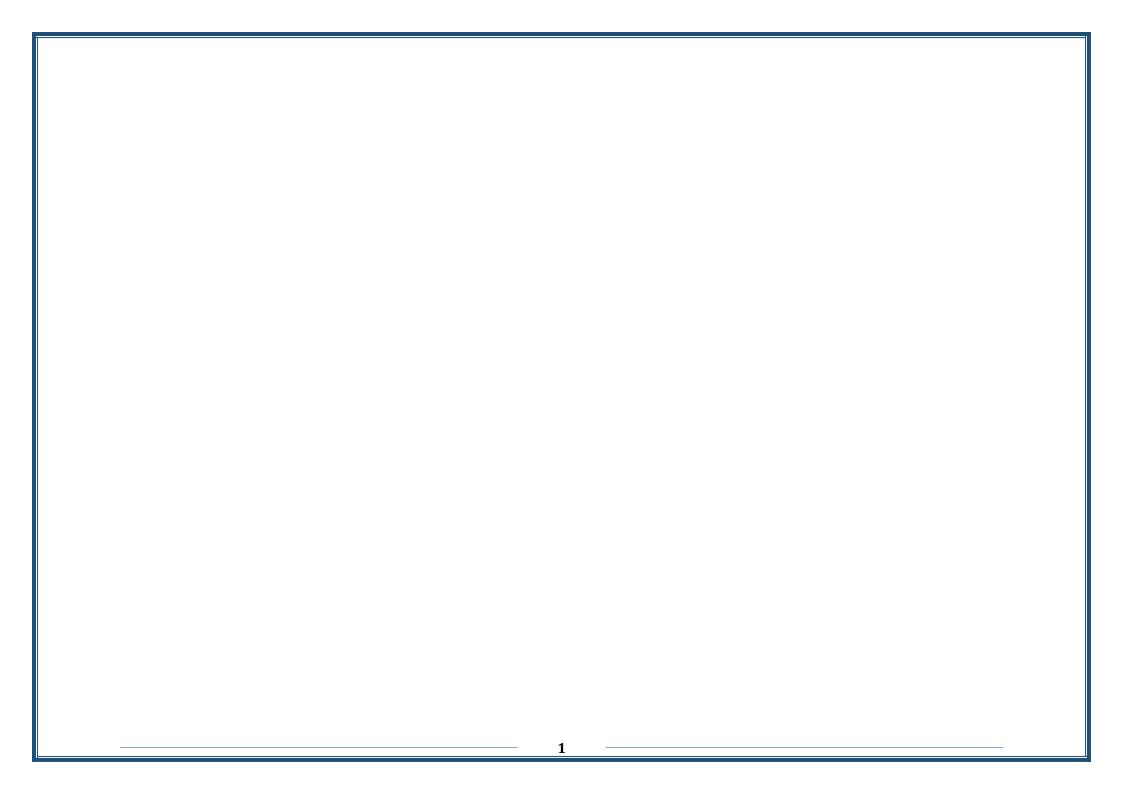
			and soft tissue		
			pattern, dental		
			factors,		
			treatment		
			methods and		
			time)		
	2	Tutorial	d. Class III	Powerpoint	Short exams,
		and slides	treatment	lectures	Semester,and final
			(etiology, skeletal		Exam
			and soft tissue		
27			pattern, dental		
			factors,		
			treatment		
			methods and		
			time)		
	2	Tutorial	Treatment of	Powerpoint	Short exams,
20		and slides	adults	lectures	Semester, and final
28			Periodontal		Exam
			problems		
	2	Tutorial	Cleft lip and	Powerpoint	Short exams,
29		and slides	palate	lectures	Semester,and final
					Exam
	2	Tutorial	Cleft lip and	Powerpoint	Short exams,
30		and slides	.palate cont	lectures	Semester,and final
			F		Exam

The practical aspect consists of attending orthodontics lab at a rate of 4 hours per week and 120 hours annually, During this the student will practice wire bending under direct supervision, The annual practical requirements for the fourth-stage student include the following:

- Wire bending for all types of springs used in the construction of removable orthodontic appliance.

12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	 1.Contemporay orthodontics 2. Textbook of orthodontics 3. Orthodontics; current principles and technique 4.Introduction to orthodontic
Main references (source)	 1.Contemporay orthodontics 2. Textbook of orthodontics 3. Orthodontics; current principles and technique 4.Introduction to orthodontic
Recommended books and references (scientific journal reports)	ls .Contemporay orthodontics 2. Textbook of orthodontics

	3. Orthodontics; current principles and
	technique
	4.Introduction to orthodontic
Electronic references, websites.	1.Contemporay orthodontics
	2. Textbook of orthodontics
	3. Orthodontics; current principles and
	technique
	4.Introduction to orthodontic



1. Course Name:

Oral and maxillofacial radiolgy

2. Course Code:

DNT307

3. Semester / Year:

Third Stage

4. Description Preparation Date:

25/4/2024

5. Available Attendance Forms:

Weekly

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

30 Hours theory/ 60 Hours practical

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

Name: Lecturer Dr. Mahmood Abd Mohammed Email: mahmood.alfahdawi@uoanbar.edu.iq

8. Course Objectives

Course Objectives

- This course is intended to provide the student with an understanding of the generation, properties, and techniques for use of X-rays in dentistry.
- This course is also intended to provide the student with an understanding
 of the advanced imaging techniques like computed tomography, cone
 beam computed tomography, magnetic resonance imaging and
 ultrasound.
- Furthermore, this course is intended to provide the student with an understanding and knowledge of the radiographic interpretation of oral diseases where diagnostic imaging provides detailed information about structural or disease related changes. In end of this course the students can discover problems in the mouth, jaws, teeth, bone loss, fractures, cysts by radiographs at an early stage.

9. Teaching and Learning Strategies

Lectures and seminars by powerpoint. Practical training on dental radiographic techniques.

Week	Required Learning Outcomes	Unit or subject name	Hours	Learning method	Evaluation method
1	Fundamentals of radiology	Oral and maxillofacial radiology	1	Lectures by powerpoint	Exams and Seminars
2	Production& interaction of X-ray	Oral and maxillofacial radiology	1	Lectures by powerpoint	Exams and Seminars
3	X-ray film & processing cycle	Oral and maxillofacial radiology	1	Lectures by powerpoint	Exams and Seminars
4	Factors relating to the production of radiograph	Oral and maxillofacial radiology	1	Lectures by powerpoint	Exams and Seminars
5	Ideal radiographic projections& artifacts	Oral and maxillofacial	1	Lectures by powerpoint	Exams and Seminars

		radiology				
6	Hazards of X-radiation & its biological effects	Oral maxillofacial radiology	and	1	Lectures by powerpoint	Exams and Seminars
7	Protection from X-radiation in the clinic of radiography	Oral maxillofacial radiology	and	1	Lectures by powerpoint	Exams and Seminars
8	Intraoral techniques 1	Oral maxillofacial radiology	and	1	Lectures by powerpoint	Exams and Seminars
9	Intraoral techniques 2	Oral maxillofacial radiology	and	1	Lectures by powerpoint	Exams and Seminars
10	Darkroom	Oral maxillofacial radiology	and	1	Lectures by powerpoint	Exams and Seminars
11	Patient's management	Oral maxillofacial radiology	and	1	Lectures by powerpoint	Exams and Seminars
12	Localization techniques	Oral maxillofacial radiology	and	1	Lectures by powerpoint	Exams and Seminars
13	Radiographic survey	Oral maxillofacial radiology	and	1	Lectures by powerpoint	Exams and Seminars
14	Viewing techniques (conventional & digital)	Oral maxillofacial radiology	and	1	Lectures by powerpoint	Exams and Seminars
15	Dental panoramic radiography (principals)	Oral maxillofacial radiology	and	1	Lectures by powerpoint	Exams and Seminars
16	Dental panoramic radiography (anatomy)	Oral maxillofacial radiology	and	1	Lectures by powerpoint	Exams and Seminars
17	Introduction for normal radiographic anatomy	Oral maxillofacial radiology	and	1	Lectures by powerpoint	Exams and Seminars
18	Radiographic appearance of normal intraoral landmarks	Oral maxillofacial radiology	and	1	Lectures by powerpoint	Exams and Seminars
19	Radiographic appearance of common diseases of teeth & supporting structure	Oral maxillofacial radiology	and	1	Lectures by powerpoint	Exams and Seminars
20	Extra oral radiography	Oral maxillofacial radiology	and	1	Lectures by powerpoint	Exams and Seminars
21	Digital imaging system	Oral maxillofacial radiology	and	1	Lectures by powerpoint	Exams and Seminars
22	Computed Tomography (theory & physics)	Oral maxillofacial radiology	and	1	Lectures by powerpoint	Exams and Seminars
23	Computed Tomography (clinical application in maxillofacial region).	Oral maxillofacial radiology	and	1	Lectures by powerpoint	Exams and Seminars
24	CBCT (theory & advantages over	Oral maxillofacial	and	1	Lectures by powerpoint	Exams and Seminars

	conventional CT).	radiology			
25	CBCT (clinical applications in maxillofacial region).	Oral and maxillofacial radiology	1	Lectures by powerpoint	Exams and Seminars
26	TMJ Radiography (normal & pathological)	Oral and maxillofacial radiology	1	Lectures by powerpoint	Exams and Seminars
27	TMJ Imaging	Oral and maxillofacial radiology	1	Lectures by powerpoint	Exams and Seminars
28	MRI (theory, physics and clinical applications)	Oral and maxillofacial radiology	1	Lectures by powerpoint	Exams and Seminars
29	Radiography &Implantology	Oral and maxillofacial radiology	1	Lectures by powerpoint	Exams and Seminars
30	Guidelines for Prescribing Radiographs	Oral and maxillofacial radiology	1	Lectures by powerpoint	Exams and Seminars
			Total 30		

11. Clinical requirements

Number	Title of clinical requirements	Hours
1	"Fundamentals of radiology: Introduction, Similarity and differences between x-ray and visible light, component of x-ray machine."	2
	Fundamentals of radiology :X-ray tube ,Generation of x-ray, Selection of target material,	
2	Production & interaction of X-ray: X-ray beam shape and position, Inverse square low, Rectification, Filtration, and Colimation. X-ray spectrum, half value layer, X-ray measuring units.	2
3	X-ray film & processing cycle X-ray films, intra-oral, chemical composition, film type and speed, extra-oral, screen an non screen, film properties, density, contrast, details.	2
4	Ideal radiograph	2
5	Intraoral techniques	2
6	Factors relating to the production of radiograph	2
7	Hazards & protection	2
8	Dental panoramic radiography	2
9	Clinical work	2
10	Clinical work	2
11	Clinical work	2
12	Clinical work	2
13	Clinical work	2
14	Clinical work	2
15	Clinical work	2
16	Clinical work	2
17	Clinical work	2
18	Clinical work	2
19	Clinical work	2
20	Clinical work	2
21	Clinical work	2
22	Clinical work	2

22	C11 1 1		
23	Clinical work		2
24	Clinical work		2
25	Clinical work		2
26	Clinical work		2
27	Clinical work		2
28	Clinical work		2
29	Clinical work		2
30	Clinical work		2
Total			60
12. Course Evaluation			
Distributing the score out if 100 ac	ecording to the tasks assigned to the	student such as daily prepar	ration, daily oral,
monthly, or written exams, reports	s,etc.	• • •	
13. Learning and Teaching Reso	ources		
Required textbooks (curricular bo	oks, if any)	White and Pharoah's Oral	Radiology: Principles and
`	•	Interpretation	
Main references (source)		Dental Radiography: Principles and Techniques by b	
,		Joen Iannucci and Laura Ja	
Recommended books and reference	es (scientific journals, reports)		
Electronic references, websites.			

1. Course Name:

General histology

2. Course Code:

DNT203

3. Semester / Year:

2023-2024

4. Description Preparation Date:

23/4/2024

5. Available Attendance Forms:

Attendance and clinical practice

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

120 hours

6 unit

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

8. Course Objectives

Course Objectives

9. Teaching and Learning Strategies

Strategy

Week	Hour s	ILOs	Unit/Module or Topic Title	Teachin g Method	Assessme nt Method
1	2	General histology	Cells and Basic .Tissues	Theoretical lecture using the program power point	Short, quarterly, half- year and final exams
2	2	General histology	Cells and Basic Tissue	Theoretical lecture using the program power point	Short, quarterly, half- year and final exams
3	2	General histology	Epithelial Tissues	Theoretical lecture using the program power point	Short, quarterly, half- year and final exams
4	2	General histology	Epithelial Tissues	Theoretical lecture using the program power point	Short, quarterly, half- year and final exams
5	2	General histology	Connective Tissues	Theoretical lecture using the program power point	Short, quarterly, half- year and final exams
6	2	General histology	Connective Tissues	Theoretical lecture using the program power point	Short, quarterly, half- year and final exams
7	2	General histology	Urinary system :Nephrons	Theoretical lecture using the program	Short, quarterly, half- year and final exams

	2	General	Urinary system :Ureter	power point Theoretical lecture	Short, quarterly, half-
8		histology		using the program power point	year and final exams
9	2	General histology	Hemopoiesis	Theoretical lecture using the program power point	Short, quarterly, half-yea and final exams
10	2	General histology	Hemopoiesis	Theoretical lecture using the program power point	Short, quarterly, half-yea and final exams
11	2	General histology	The circulatory system	Theoretical lecture using the program power point	Short, quarterly, half-yea and final exams
12	2	General histology	The circulatory system	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
13	2	General histology	Lymphatic Vascular System And Lymphoid System	Theoretical lecture using the program power point	Short, quarterly, half-yea and final exams
14	2	General histology	Lymphatic Vascular System And Lymphoid System	Theoretical lecture using the program power point	Short, quarterly, half-yea and final exams
15	2	General histology	Skin : Epidermis	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
16	2	General histology	Skin : Dermis	Theoretical lecture using the program power point	Short, quarterly, half-yea and final exams
17	2	General histology	Endocrine System	Theoretical lecture using the program power point	Short, quarterly, half-yea and final exams
18	2	General histology	Endocrine System	Theoretical lecture using the program power point	Short, quarterly, half-yea and final exams
19	2	General histology	Endocrine System	Theoretical lecture using the program power point	Short, quarterly, half-yea and final exams
20	2	General histology	The Nervous System	Theoretical lecture using the program power point	Short, quarterly, half-yea
21	2	General histology	The Nervous System	Theoretical lecture using the program power point	Short, quarterly, half-yea and final exams
22	2	General histology	The Nervous System	Theoretical lecture using the program power point	Short, quarterly, half-yea and final exams
23	2	General histology	The Digestive System	Theoretical lecture using the program power point	Short, quarterly, half-yea and final exams
24	2	General histology	The Digestive System	Theoretical lecture using the program power point	Short, quarterly, half-yea
25	2	General histology	Male Reproductive system	Theoretical lecture using the program power point	Short, quarterly, half-yea and final exams
26	2	General histology	Male Reproductive system	Theoretical lecture using the program power point	Short, quarterly, half-yea
27	2	General histology	Female Reprod. System	Theoretical lecture using the program	Short, quarterly, half-yea and final exams

				power point	
28	2	General histology	Female Reprod. System	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
29	2	General histology	Sense Organ (Eye)	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
30	2	General histology	Sense Organ (Eye)	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
31	2	General histology		Theoretical lecture using the program power point	Short, quarterly, half-year and final exams

12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	
Main references (source)	
Recommended books and references (scientific journa reports)	ls,
Electronic references, websites.	

1. Course Name:

Biochemistry

2. Course Code:

DNT204

3. Semester / Year:

2023-2024

4. Description Preparation Date:

23/4/2024

5. Available Attendance Forms:

Attendance and clinical practice

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

120 hours

6 unit

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

8. Course Objectives

Course Objectives

9. Teaching and Learning Strategies

Strategy

Week	Hour s	ILOs	Unit/Module or Topic Title	Teachin g Method	Assessme nt Method
1	2	Biochemistry	Enzymes: Definition Terminology:substrat e;cofactor;coenzymeect Classification Kinetic properties of enzyme Enzyme inhibition Model of enzyme – substrate binding Enzyme regulation Effect of pH and Temp. on enzyme activity Plasma enzymes in diagnosis GPT and GOT LDH Isoenzymes	Theoretical lecture using the program power point	Short, quarterly, half- year and final exams
2	2	Biochemistry	Classification	Theoretical lecture using the program power point	Short, quarterly, half- year and final exams
3	2	Biochemistry	Kinetic properties of enzyme	Theoretical lecture using the program power point	Short, quarterly, half- year and final exams
4	2	Biochemistry	Enzyme inhibition	Theoretical lecture using the program power point	Short, quarterly, half- year and final exams
5	2	Biochemistry	Model of enzyme – substrate binding	Theoretical lecture using the program	Short, quarterly, half- year and final exams

				power point	
6	2	Biochemistry	Plasma enzymes in diagnosis	Theoretical lecture using the program power point	Short, quarterly, half- year and final exams
7	2	Biochemistry	:Lipid Lipid classes Lipid metabolism: Triacylglycerol synthesis F.A. degradation F.A. biosynthesis Regulation of F.A. metabolism in mammals Cholestrol metabolism	Theoretical lecture using the program power point	Short, quarterly, half- year and final exams
8	2	Biochemistry	Lipid metabolism	Theoretical lecture using the program power point	Short, quarterly, half- year and final exams
9	2	Biochemistry	Triacylglycerol synthesis	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
10	2	Biochemistry	F.A. degradation	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
11	2	Biochemistry	Carbohydrate metabolism: Glycogen metabolism (synthesis & degradation) Glycolysis and its Regulation Gluconeogenesis Metabolism of other important sugars Citric acid cycle and Regulation Electron transport system Oxidative phosphorylation Oxidative stress Glucose-6- phosphate dehydrognase deficiency	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
12	2	Biochemistry	Glycogen metabolism (synthesis & degradation	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
13	2	Biochemistry	Glycolysis and its Regulation	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
14	2	Biochemistry	Gluconeognesis	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
15	2	Biochemistry	Metabolism of other important sugars	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
16	2	Biochemistry	Citric acid cycle and Regulation	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
17	2	Biochemistry	Citric acid cycle and Regulation	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
18	2	Biochemistry	Electron transport system	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
19	2	Biochemistry	Vitamins: Definition The major groups(fat& water soluble vitamins) Study the individual vitamins under certain general heading: sources, chemistry, me tabolism, physiogical fuctions, deficiency diseases, daily requirements, hypervit aminosis, vitamin antagonists, vitamin A,D,E,K,C &B, niacin,	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams

			pyridoxine, pantothenic acid ,biotin, folic acid		
20	2	Biochemistry	The major groups(fat& water soluble vitamins)	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
21	2	Biochemistry	sources,chemistry ,metabolism,	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
22	2	Biochemistry	daily requirements,hypervit aminosis	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
23	2	Biochemistry	vitamin A,D,E,K,C	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
24	2	Biochemistry	Protein and aminoacids metabolism .Dynamic equilibrium and nitrogen balance .Essential and non- essential A.As .Nitrogen catabolism of A.As .Formation of NH3 and urea .Metabolism and fate ofNH3 in the body a.Formation of urea (urea cycle) inherited disorder associated with urea cycle b.Glutamin formation c.Amination of alpha ketoacids .Fate of carbon skeletons break down of C,H,O. These pathways converge to form seven intermediate product a.Glycogenic amino acids b.Ketogenic amino acids degredation and synthesis c-A.As forming pyruvate d-A.As forming succinyl-coA or acetoacyl-coA f-A.As forming succinyl- coA 9.Decarboxylation reaction of amino acids and biogenic amines 10.Other nitrogen containing compounds which produced from A.As 11.Metabolic defects in A.As metabolism	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
25	2	Biochemistry	.Dynamic equilibrium	Theoretical lecture	Short, quarterly, half-year

			and nitrogen balance	using the program power point	and final exams
26	2	Biochemistry	Essential and non- essential A.A	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
27	2	Biochemistry	Nitrogen catabolism of A.A	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
28	2	Biochemistry	Formation of NH3 and ure	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
29	2	Biochemistry	Metabolism and fate of NH3 in the body	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
30	2	Biochemistry	a.Formation of urea (urea cycle)	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
31	2	Biochemistry	a.Formation of urea (urea cycle)	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
32	2	Biochemistry	formation	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
33	2	Biochemistry	c.Amination of alpha ketoacids	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams

12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Lippincott'sIllustrated Reviews Biochemistry
Main references (source)	
Recommended books and references (scientific journa reports)	ls,
Electronic references, websites.	Internet website

1. Course Name:

Biology

2. Course Code:

DNT102

3. Semester / Year:

2023-2024/first

4. Description Preparation Date:

27/4/2024

5. Available Attendance Forms:

lectures and practical practice

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

60 hr/60 hr/6

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

Karama Tahrir Ahmed Khadija Khleaf Abdulla den.khadija.khlif@uoanbar.edu.iq Zainab Kamil Yousif

den.karama.tahrer@uoanbar.edu.iq den.zaynab.kaml@uoanbar.edu.ig

8. Course Objectives

Course Objectives

The student learns the basics of biology and its branches, such as cell and histology, bacteriology, and molecular biology. The student also learns parasitology and examples of the most common pathogen c parasites that infect humans, such as intestinal and oral parasites

9. Teaching and Learning Strategies

Strategy

Lectures that encourage students and teach them ways to confront and solve problems.

- Monitoring the way students think, their ways of expression and their speed of response.
- Experiments in laboratories.
- -Self education

			,		
Week	Ho urs	ILOs	Unit/M odule or Topic Title	Teachin g Method	Assessme nt Method

1	2	Introduction to medical and oral biology	Biology	Lectures and practical practice	Daily, semester, and final exams
2	2	Prokaryotic and eukaryotic	Biology	Lectures and practical practice	Daily, semester, and final exams
3	2	General and oral immunology	Biology	Lectures and practical practice	Daily, semester, and final exams
4	2	Bacteria and Oral disease	Biology	Lectures and practical practice	Daily, semester, and final exams
5	2	Genetics and its role in oral disease	Biology	Lectures and practical practice	Daily, semester, and final exams
6	2	Simple epithelial tissue stratified epithelial tissue	Biology	Lectures and practical practice	Daily, semester, and final exams
7	2	Glandular epithelial tissue	Biology	Lectures and practical practice	Daily, semester, and final exams
8	2	General connective tissue and blood	Biology	Lectures and practical practice	Daily, semester, and final exams
9	2	Muscular tissue	Biology	Lectures and practical practice	Daily, semester, and final exams
10	2	Nerve tissue	Biology	Lectures and practical practice	Daily, semester, and final exams
11	2	Cell structure (oral mucous membrane)	Biology	Lectures and practical practice	Daily, semester, and final exams
12	2	Plasma membrane structure and passage of materials across cell membrane	Biology	Lectures and practical practice	Daily, semester, and final exams
13	2	Cell energy	Biology	Lectures and practical practice	Daily, semester, and final exams
14	2	Cell cycle ,Mitosis and miosis	Biology	Lectures and practical practice	Daily, semester, and final exams
15	2	Nucleic	Biology	Lectures and	Daily, semester, and

		acid ,DNA and RNA		practical practice	final exams
16	2	Introduction to parasitology Types of parasites and host General and oral protozoa	Biology	Lectures and practical practice	Daily, semester, and final exams
17	2	Human amoebas E.histolytica ,E. coli E.gingivalis	Biology	Lectures and practical practice	Daily, semester, and final exams
18	2	Flagellates ,Gia rdia lamblia ,Tricho monas tenax , .T.hominas ,T.v aginalis	Biology	Lectures and practical practice	Daily, semester, and final exams
19	2	Leishmania ,cut aneous and vesiral	Biology	Lectures and practical practice	Daily, semester, and final exams
20	2	, Sporozoa ,plas modium spp	Biology	Lectures and practical practice	Daily, semester, and final exams
21	2	Toxoplasma gondi Nemathelminthe s ,Ascaris	Biology	Lectures and practical practice	Daily, semester, and final exams
22	2	Ancylostoma duodenale ,Ente robius vermicularis	Biology	Lectures and practical practice	Daily, semester, and final exams
23	2	Platyhelminthes ,Fasciola hepatica ,Schist osoma spp	Biology	Lectures and practical practice	Daily, semester, and final exams
24	2	Overview of biological safety & security equipment Introduction of biosecurity risk characterization in biosecurity vulnerability assessment components of laboratory biosecurity	Biology	Lectures and practical practice	Daily, semester, and final exams

25	2	Biosafety practices part biosafety rules simulations 3D Disinfection &sterilization hazardous chemical decontamination and biological wast disposal	Biology	Lectures and practical practice	Daily, semester, and final exams
26	2	_	Biology	Lectures and practical practice	Daily, semester, and final exams
27	2		Biology	Lectures and practical practice	Daily, semester, and final exams
28	2		Biology	Lectures and practical practice	Daily, semester, and final exams
29	2		Biology	Lectures and practical practice	Daily, semester, and final exams
30	2		Biology	Lectures and practical practice	Daily, semester, and final exams

Final exams	daily exams	-Lab	semester
60	1	7	12

12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Biology - 2e Mary Ann Clark, Fort Worth, Texas Jung Choi, Marietta, Georgia Matthew Douglas, Grand Rapids, Michigan ,2018
Main references (source)	Jawetz, Melnick, & Adelberg's Medical Microbiology, 28e
Recommended books and references (scientific journals, reports)	Reports

Electronic references, websites.	websites of college	
	Course Description	
Course Name:		

Medical Physics 2. Course Code: **DNT103** 3. Semester / Year: 2023-2024/ first 4. Description Preparation Date: 27/4/2024 5. Available Attendance Forms: lectures and practical practice 6. Number of Credit Hours (Total) / Number of Units (Total) 60 hr/60 hr/6 units 7. Course administrator's name (mention all, if more than one name) den.ehsan.ali@uoanbar.edu.iq Ehsan Ali Abed 8. Course Objectives **Course Objectives** Study and application of physical concepts in dentistry 9. Teaching and Learning Strategies Strategy Lectures that encourage students and teach them ways to confront and solve problems. - Monitoring the way students think, their ways of expression and their speed of response. - Experiments in laboratories. -Self education

Week	Hour s	ILOs	Unit/Mo dule or Topic Title	Teachin g Metho d	Assessmen t Method
1	2	Terminology Terms: Medical Physics, physical medicine, Physical therapy, Health Physics, Radiological Physics, clinical physics. Modeling, Accuracy,	Physics	Lectures and practical practice	Daily, semester, and final exams

		Positive, False Negative			
2	2	Terminology Terms: Medical Physics, physical medicine, Physical therapy, Health Physics, Radiological Physics, clinical physics. Modeling, Accuracy, Precision, False Positive, False Negative	Physics	Lectures and practical practice	Daily, semester, and final exams
3	2	Force on ∈ body: Static forces :(type of levers with medical examples). Dynamic forces (Centrifuge	Physics	Lectures and practical practice	Daily, semester, and final exams
4	2	Force on ∈ body: Static forces :(type of levers with medical examples). Dynamic forces (Centrifuge	Physics	Lectures and practical practice	Daily, semester, and final exams
5	2	Physics of the skeleton: Bones:(Function of bones, Composition of bone, bone remodeling, compact and trabecular bone) Stress-strain curve: (compressive and tensile stress, young modulus). Bone joints: (Synovial fluid, coefficient of a .joint)	Physics	Lectures and practical practice	Daily, semester, and final exams
6	2	Physics of the skeleton: Bones: (Function of bones, Composition of bone, bone remodeling, compact and	Physics	Lectures and practical practice	Daily, semester, and final exams

		trabecular bone) Stress-strain curve: (compressive and tensile stress, young modulus). Bone joints: (Synovial fluid, coefficient of a .joint)			
7	2	Heat and cold in medicine: Physical basis of heat and temperature, Temperature scales, Converting Temperatures, Temperature in Dentistry, Thermal expansion, (Linear, Area, Volume Thermal Expansion), Thermometry, Heat therapy, Thermography, Cold in medicine and cryosurgery. Thermal .conductivity	Physics	Lectures and practical practice	Daily, semester, and final exams
8	2	Heat and cold in medicine: Physical basis of heat and temperature, Temperature scales, Converting Temperatures, Temperature in Dentistry, Thermal expansion, (Linear, Area, Volume Thermal Expansion), Thermometry, Heat therapy, Thermography, Cold in medicine and cryosurgery. Thermal .conductivity	Physics	Lectures and practical practice	Daily, semester, and final exams

9	2	Energy, work and power of the body: First law of thermodynamic. Energy change in the body (Met, Basal metabolic rate (BMR). Work and power. Efficiency heat losses from the body. Anaerobic phase and aerobic phase and aerobic phase. Hypothalamus (body's thermostat).Heat lost by (radiation, convection, evaporation of sweat and .respiration)	Physics	Lectures and practical practice	Daily, semester, and final exams
10	2	Energy, work and power of the body: First law of thermodynamic. Energy change in the body (Met, Basal metabolic rate (BMR). Work and power. Efficiency heat losses from the body. Anaerobic phase and aerobic phase and aerobic phase. Hypothalamus (body's thermostat).Heat lost by (radiation, convection, evaporation of sweat and .respiration)	Physics	Lectures and practical practice	Daily, semester, and final exams
11	2	Pressure: Definition, absolute pressure, gauge pressure, negative pressure, unit of pressure. Measurement of pressure in the body	Physics	Lectures and practical practice	Daily, semester, and final exams

		(Manometer).Press ure inside the skull. Eye pressure. Pressure in the skeleton. Pressure in the urinary bladder.Boyle's law: (pressure while diving).HOT (hyperbaric oxygen .therapy)			
12	2	Pressure: Definition, absolute pressure, gauge pressure, negative pressure, unit of pressure. Measurement of pressure in the body (Manometer).Pressure inside the skull. Eye pressure. Pressure in the skeleton. Pressure in the urinary bladder.Boyle's law: (pressure while diving).HOT (hyperbaric oxygen .therapy)	Physics	Lectures and practical practice	Daily, semester, and final exams
13	2	Electricity within the body: Electrical potential of nerves (resting potential, action potential in myelinated and unmyelinated nerves) Electromyogram Electrical .(EMG) potential in the heart (electrocardiogram ECG). Electroencephalogram (EEG)	Physics	Lectures and practical practice	Daily, semester, and final exams
14	2	Electricity within the body: Electrical potential	Physics	Lectures and practical practice	Daily, semester, and final exams

		of nerves (resting potential, action potential in myelinated and unmyelinated nerves) Electromyogram Electrical .(EMG) potential in the heart (electrocardiogram ECG). Electroencephalogram (EEG)			
15	2	Sound in medicine: Properties of sound. Stethoscope (including heart sound).mechanism of hearing	Physics	Lectures and practical practice	Daily, semester, and final exams
16	2	Sound in medicine: Properties of sound. Stethoscope (including heart sound).mechanism of hearing	Physics	Lectures and practical practice	Daily, semester, and final exams
17	2	Ultrasound A-scan, B-scan,) M-scan and .(Doppler effect Physiological effect of ultrasound in therapy	Physics	Lectures and practical practice	Daily, semester, and final exams
18	2	Ultrasound A-scan, B-scan,) M-scan and .(Doppler effect Physiological effect of ultrasound in therapy	Physics	Lectures and practical practice	Daily, semester, and final exams
19	2	Light in medicine: Light nature, Planck I Refraction and Absorption of Light, Preflection, Phototherap in medicine, Tanning and Skin Cancer	ropert <u>ies</u> of light), Dif	Tectures and fuse reflection, Specula viole PhaChis de l ed ligh practice	^r Daily, semester, ^t and final exams
20	2	Light in medicine: Light nature, Planck Equation,	Physics	Lectures and practical practice	Daily, semester, and final exams

		(Reflection, Refraction and Absorption of Light, Properties of light), Diffuse reflection, Specular reflection, Phototherapy, Application of ultraviolet and infrared light in medicine, Tanning and Skin .Cancer			
21	2	Laser in medicine. What is laser? Application of laser in medicine Atomic Transitions, Population inversion, Laser Typical Characteristics, General Applications of Laser, Laser Dental Applications, Reshape gum tissue, Laser aided teeth whitening, Laser Drill	Physics	Lectures and practical practice	Daily, semester, and final exams
22	2	Laser in medicine. What is laser? Application of laser in medicine Atomic Transitions, Population inversion, Laser Typical Characteristics, General Applications of Laser, Laser Dental Applications, Reshape gum tissue, Laser aided teeth whitening, .Laser Drill	Physics	Lectures and practical practice	Daily, semester, and final exams
23	2	Physics of eye and vision: Focusing element of the eye (cornea, lens).	Physics	Lectures and practical practice	Daily, semester, and final exams

		Element of the eye (pupil, aqueous humor, vitreous humor, sclera).Visual acuity, Snellen chart, optical .density			
24	2	Physics of eye and vision: Focusing element of the eye (cornea, lens). Element of the eye (pupil, aqueous humor, vitreous humor, sclera). Visual acuity, Snellen chart, optical .density	Physics	Lectures and practical practice	Daily, semester, and final exams
25	2	Physics of diagnostic X-ray: Properties of X-ray, production of X-ray. Absorption of X-ray, contrast media-ray image (penumbra, grid, and intensifying screens). Radiation to patients from X-ray (filters)	Physics	Lectures and practical practice	Daily, semester, and final exams
26	2	Physics of diagnostic X-ray: Properties of X-ray, production of X-ray. Absorption of X-ray, contrast media-ray image (penumbra, grid, and intensifying screens). Radiation to patients from X-ray (filters)	Physics	Lectures and practical practice	Daily, semester, and final exams
27	2	Physics of nuclear medicine: Radioactivity decay, half-life, units. Basic instrumentation and its medical application (GM-	Physics	Lectures and practical practice	Daily, semester, and final exams

		tube, Photomultiplier tube, scintillation detector, solid state detector). Therapy with radioactivity. Radiation doses in .nuclear medicine			
28	2	Physics of nuclear medicine: Radioactivity decay, half-life, units. Basic instrumentation and its medical application (GM-tube, Photomultiplier tube, scintillation detector, solid state detector). Therapy with radioactivity. Radiation doses in .nuclear medicine	Physics	Lectures and practical practice	Daily, semester, and final exams
29	2	Physics of radiation therapy: The dose units (Rad and Gray).Principles of radiation therapy. Brach therapy, .quality factor (QF)	Physics	Lectures and practical practice	Daily, semester, and final exams
30	2	Physics of radiation therapy: The dose units (Rad and Gray).Principles of radiation therapy. Brach therapy, .quality factor (QF)	Physics	Lectures and practical practice	Daily, semester, and final exams

Final exams	daily exams	L ab	semester
60	1	7	12

	12.	Learning and Teaching Resources	
Required textbooks (curricular books, if any)		ed textbooks (curricular books, if any)	Medical Physics ,John R Cameron 1992

	Physics of the Human Body 2006
Main references (source)	 Diagnostic Radiology Physics: A Handbook for Teachers and Students, 2014 Nuclear Medicine Physics: A Handbook for Teachers and Students, 2014 THE PHYSICS OF RADIATION THERAPY, 2003
Recommended books and references (scientific journa reports)	alsReports
Electronic references, websites.	Websites of college

1. Course Name:					
Medical chemistry					
2. Course Code:					
DNT104					
2. Compart of Warre					
3. Semester / Year:					
2023-2024/ first					
4. Description Preparation Date:					
27/4/2024					
5. Available Attendance Forms:					
lectures and practical practice					
6. Number of Credit Hours (Total) / Number of Units (Total)					
60 hr/60 hr/6 units					

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

Mahmoud Saleh Muter <u>den.mahmood.sale@uoanbar.edu.iq</u> **Amal Shakir Abbood** <u>amal.shakir@uoanbar.edu.iq</u>

8. Course Objectives

Course Objectives

The student should know the science of chemistry and its branches.

To distinguish between the branches of chemistry -

That the student knows the relationship between chemistry and daily life, and recognizes -

On the nature of the material

The student should distinguish between subjects and how to deal with them quantitatively and qualitatively.

The student should know the truth about the chemical reaction, its conditions and factors.

To determine the reactions occurring within the body and their relationship to growth and health.

And illness

9. Teaching and Learning Strategies

Strategy

Lectures that encourage students and teach them ways to confront and solve problems.

- Monitoring the way students think, their ways of expression and their speed of response.
- Experiments in laboratories.
- -Self education

Wee k	Hours	ILOs	Unit/Mo dule or Topic Title	Teaching Method	Assessme nt Method
1	2	Acid, Base and Salt	Medical chemistry	Lectures and practice	Daily, semester, and final exams
2	2	salts, preparation of salts	Medical chemistry	Lectures and practice	Daily, semester, and final exams
3	2	Fluid and electrolyte	Medical chemistry	Lectures and practice	Daily, semester, and final exams
4	2	Buffer-pH and Acid- Base Balance	Medical chemistry	Lectures and practice	Daily, semester, and final exams

5	2	acid-base balance and blood pH	Medical chemistry	Lectures and practice	Daily, semester, and final exams
6	2	Colloids and colloidal dispersions	Medical chemistry	Lectures and practice	Daily, semester, and final exams
7	2	Molar concentratio n (Molarity)	Medical chemistry	Lectures and practice	Daily, semester, and final exams
8	2	Chirality in Biological Systems	Medical chemistry	Lectures and practical practice	Daily, semester, and final exams
9	2	Pollution	Medical chemistry	Lectures and practical practice	Daily, semester, and final exams
10	2	Radiochemi stry	Medical chemistry	Lectures and practice	Daily, semester, and final exams
11	2	Alkanes and Cycloalkane s	Medical chemistry	Lectures and practice	Daily, semester, and final exams
12	2	Alkenes and Alkynes	Medical chemistry	Lectures and practice	Daily, semester, and final exams
13	2	Aromatic compounds	Medical chemistry	Lectures and practice	Daily, semester, and final exams
14	2	Aromatic compounds in Nature	Medical chemistry	Lectures and practice	Daily, semester, and final exams
15	2	Stereoisome rs of Carbon	Medical chemistry	Lectures and practice	Daily, semester, and final exams
16	2	Diastereome rs	Medical chemistry	Lectures and practice	Daily, semester, and final exams
17	2	Phenols (preparation , reactions)	Medical chemistry	Lectures and practice	Daily, semester, and final exams
18	2	Carboxylic Acids And Their Derivatives	Medical chemistry	Lectures and practice	Daily, semester, and final exams
19	2	Amides	Medical chemistry	Lectures and practice	Daily, semester, and final exams

20	2	Aldehydes and ketones	Medical chemistry	Lectures and practice	Daily, semester, and final exams
21	2	Carbohydrat es	Medical chemistry	Lectures and practice	Daily, semester, and final exams
22	2	Monosaccha ride's	Medical chemistry	Lectures and practice	Daily, semester, and final exams
23	2	Disaccharid es	Medical chemistry	Lectures and practice	Daily, semester, and final exams
24	2	Lipids	Medical chemistry	Lectures and practice	Daily, semester, and final exams
25	2	Derived lipids	Medical chemistry	Lectures and practice	Daily, semester, and final exams
26	2	Proteins and Amino Acids	Medical chemistry	Lectures and practice	Daily, semester, and final exams
27	2	Amino acids	Medical chemistry	Lectures and practice	Daily, semester, and final exams
28	2	Nucleic Acids	Medical chemistry	Lectures and practice	Daily, semester, and final exams
29	2	Acid, Base and Salt	Medical chemistry	Lectures and practice	Daily, semester, and final exams
30	2	Examination	Medical chemistry	Lectures and practice	Daily, semester, and final exams

Final exams	daily exams	. Lab	semester
60	2	6	12

12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	

Main references (source)	
Recommended books and references (scientific journa reports)	ls,
Electronic references, websites.	

1. Course Name:						
Computer						
2. Course Code:						
UOA141						
3. Semester / Year:						
2023-2024/ first						
4. Description Prepo	aration Date:					
27/4/2024						
5. Available Attenda	5. Available Attendance Forms:					
Lectures and practic	al practice					
6. Number of Credit	Hours (Total) / Number of Units (Total)					
30hr/2 units						
Course administ	rator's name (mention all, if more than one name)					
Lamia Faris	den.lamia.faris@uoanbar.edu.iq					
8. Course Objectiv	ves					
Course Objectives	The Computers Unit teaches computer applications, computer applications for all scientific departments. The goal of the unit is to teach students and prepare them to pursue the topics they receive in some specialized lessons					
9. Teaching and L	earning Strategies					

Strategy	Lectures that encourage students and teach them ways to
	confront and solve problems.
	- Monitoring the way students think, their ways of expression
	and their speed of response.
	- Experiments in laboratories.
	-Self education

10.Cours	se Structu	re			
Week	Hour s	ILOs	Unit/Module or Topic Title	Teachin g Method	Assessme nt Method
1	1	Introductio n about compute /Hardware and Software	Computer	Lectures and practical practice	Daily, semester, and final exams
2	1	computer structure/ F loppy magnetic disks	Computer	Lectures and practical practice	Daily, semester, and final exams
3	1	Introduct ion to E- learning	Computer	Lectures and practical practice	Daily, semester, and final exams
4	1	Google Classroo m Platform	Computer	Lectures and practical practice	Daily, semester, and final exams
5	1	Google drive	Computer	Lectures and practical practice	Daily, semester, and final exams
6	1	Google forms	Computer	Lectures and practical practice	Daily, semester, and final exams
7	1	Online conferenc ing	Computer	Lectures and practical practice	Daily, semester, and final exams
8	1	A look at Windows 10/Stating Windows /10	Computer	Lectures and practical practice	Daily, semester, and final exams
9	1	Working	Computer	Lectures and	Daily, semester, and

		with a windows Program		practical practice	final exams
10	1	Working with files and folders/ Using My computer	Computer	Lectures and practical practice	Daily, semester, and final exams
11	1	Working with Taskbar and Desktop - Using Windows Accessori es	Computer	Lectures and practical practice	Daily, semester, and final exams
12	1	A look at Control Panel	Computer	Lectures and practical practice	Daily, semester, and final exams
13	1	Widows Explorer	Computer	Lectures and practical practice	Daily, semester, and final exams
14	1	Libraries	Computer	Lectures and practical practice	Daily, semester, and final exams
15	1	Introduct ion about Microsoft Word201	Computer	Lectures and practical practice	Daily, semester, and final exams
16	1	Introduct ion about Microsoft Word201 6	Computer	Lectures and practical practice	Daily, semester, and final exams
17	1	A look at Microsoft Word /Editing Documen t	Computer	Lectures and practical practice	Daily, semester, and final exams
18	1	Formatti ng Text	Computer	Lectures and practical practice	Daily, semester, and final exams
19	1	Formatti ng paragrap hs ,	Computer	Lectures and practical practice	Daily, semester, and final exams

		Proofing document s			
20	1	Adding Tables	Computer	Lectures and practical practice	Daily, semester, and final exams
21	1	Inserting Graphic Elements	Computer	Lectures and practical practice	Daily, semester, and final exams
22	1	Controlli ng page Appearan ce	Computer	Lectures and practical practice	Daily, semester, and final exams
23	1	Introduct ion about Excels /A Look at Microsoft Excel	Computer	Lectures and practical practice	Daily, semester, and final exams
24	1	modifying A Workshee t /performi ng Calculati ons	Computer	Lectures and practical practice	Daily, semester, and final exams
25	1	Formatti ng a workshee t/ Developin g a work book	Computer	Lectures and practical practice	Daily, semester, and final exams
26	1	Printing Workboo k Contents/ Customizi ng Layout	Computer	Lectures and practical practice	Daily, semester, and final exams
27	1	Introduct ion about Microsoft Access/ A look at Microsoft Access	Computer	Lectures and practical practice	Daily, semester, and final exams
28	1	Creating Data	Computer	Lectures and practical	Daily, semester, and final exams

	tables /propertie s of the fields	practice	
29			
30			

Final exams	daily exams	. Lab	semester
60	2	8	10

12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	The principle of computer science
Main references (source)	
Recommended books and references (scientific journa reports)	lskeports
Electronic references, websites.	Websites of college

1. Course Name:

English language/ Terminology

2. Course Code:

UOA140

3. Semester / Year:

2023-2024/ first

4. Description Preparation Date:

27/4/2024

5. Available Attendance Forms:

Lectures

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

30 hrs/2 units

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

Noor Hameed Mchayet : noor.h.majit@uoanbar.edu.iq

8. Course Objectives

Course Objectives

Introducing students to the nature and development of the English language,

increasing students' awareness, and understanding of the language, and working to develop listening, speaking, writing, and reading skills by having

them read texts and solve exercises related to English grammar to increase the students' ability to speak the language.

Acquiring knowledge of medical terminology and focusing on the terminology used during the years of study in addition to the terminology used in dentistry

9. Teaching and Learning Strategies

Strategy

Lectures that encourage students and teach them ways to confront and solve problems.

- Monitoring the way students think, their ways of expression and their speed of response.
- -Self education

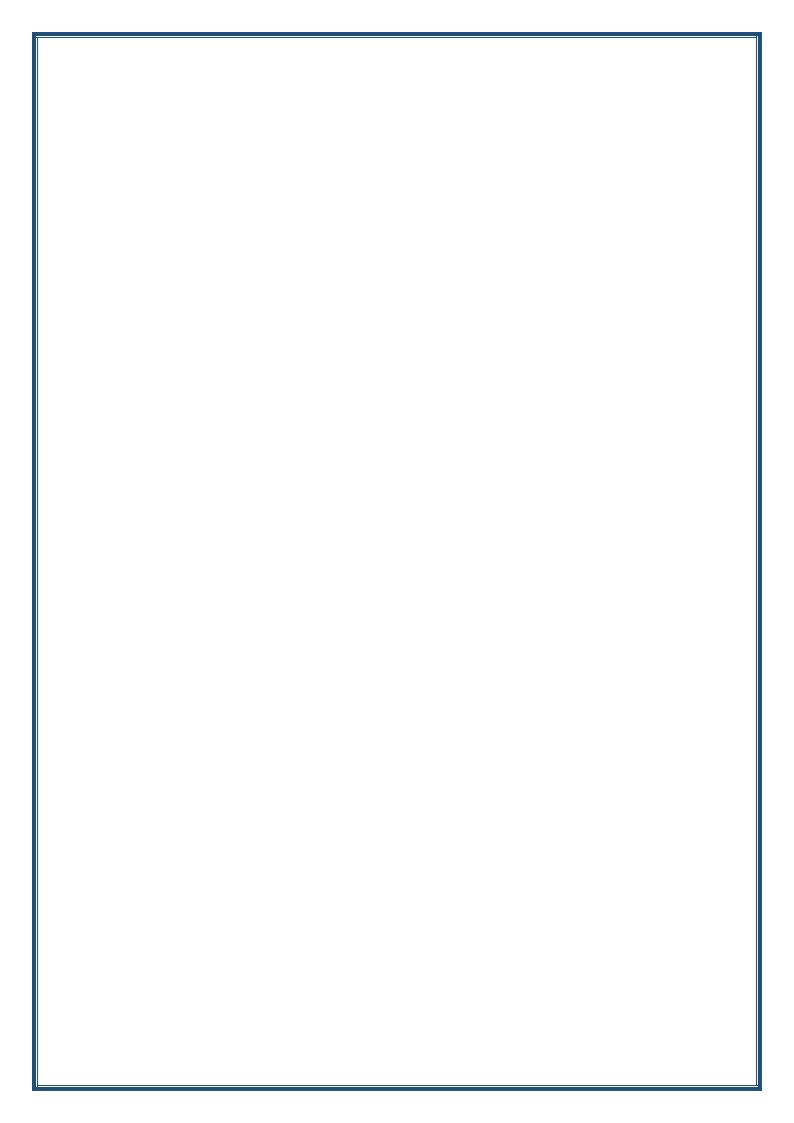
. 0. 200					
Wee k	Hrs	ILOs	Unit/Mod ule or Topic Title	Teachin g Metho d	Assessme nt Method

1	1	Tenses in English	English language Terminology	Lectures	Daily, semester, and final exams
2	1	The Passive Voice	English language/ Terminology	Lectures	Daily, semester, and final exams
3	1	Direct and Indirect Speech	English language/ Terminology	Lectures	Daily, semester, and final exams
4	1	Prepositions in English	English language/ Terminology	Lectures	Daily, semester, and final exams
5	1	Adjectives	English language/ Terminology	Lectures	Daily, semester, and final exams
6	1	Common Mistakes in English	English language/ Terminology	Lectures	Daily, semester, and final exams
7	1	Integrating a Quotationinto an Essay	English language/ Terminology	Lectures	Daily, semester, and final exams
8	1	Paraphrasing	English language/ Terminology	Lectures	Daily, semester, and final exams
9	1	Essay Writing Skills	English language/ Terminology	Lectures	Daily, semester, and final exams
10	1	Synonyms in English	English language/ Terminology	Lectures	Daily, semester, and final exams
11	1	Synonyms and Antonyms	English language/ Terminology	Lectures	Daily, semester, and final exams
12	1	Idioms and Phrases	English language/ Terminology	Lectures	Daily, semester, and final exams
13	1	Writing Assignment	English language/ Terminology	Lectures	Daily, semester, and final exams
14	1	Pronunciation Rules	English language/ Terminology	Lectures	Daily, semester, and final exams
15	1	Small Talk	English language/ Terminology	Lectures	Daily, semester, and final exams
16	1	Prefixes and Suffixes	English language/	Lectures	Daily, semester, and final exams

Daily, semester, and final exams Daily, semester, and final exams
final exams Daily, semester, and final exams Daily, semester, and final exams Daily, semester, and
final exams Daily, semester, and final exams Daily, semester, and
final exams Daily, semester, and
Daily, semester, and final exams

Final exams	daily exams	. Lab	semester
70	5	0	25

12. Learning and Teaching Resources					
Required textbooks (curricular books, if any)	New Headway Plus Intermediate by Liz & John Soars Dental Terminolgy 3rd Ed by Charline Dofka				
Main references (source)	Oxford English Grammar Course by Michael Swan and Catherine Walter A Dictionary of Medical Terminology, Dental Surgery, and the Collateral Sciences by Chapin Harris				
Recommended books and references (scientific journa reports)	lskeports				
Electronic references, websites.	Websites of college				



1. Course Name:

Prosthetic

2. Course Code:

DNT406

3. Semester / Year:

2023-2024

4. Description Preparation Date:

25/4/2024

5. Available Attendance Forms:

Attendance and clinical practice

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

30h: Theory -90h clinical

8:Units

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

Lecture: Mohammed. R.abduljabbar *Email: den.m.ryadh@uoanbar.edu.iq*

8. Course Objectives

Course Objectives

- Enabling students to obtain knowledge and understanding of the work of dentures. The student learns the basics of this work.
- Enabling students to obtain knowledge and how to deal with the patient without causing any harm to the patient.
- Enabling students to obtain knowledge and understanding of each subject and what is the best method of work through comprehensive knowledge of the anatomical signs that help stabilize the denture

9. Teaching and Learning Strategies

Strategy

- Theoretical lectures inside the classroom.
- Student groups
- Clinic activities
- E-learning on campus (use of the Internet)

10. Cou	10. Course Structure						
Wee k	Hour s	ILOs	Unit/M odule or Topic Title	Teachin g Metho d	Assessme nt Metho d		
1	4	Osteology importance • Factors that influence the form and size of the supporting structures • Supporting structures in the maxillary edentulous foundation • The limiting structures of the upper denture • Osseous structures associated with the mandibular denture • Maxillary and mandibular stressbearing areas • Areas requiring relief in impression • The pattern of bone resorption	Anatomy and physiology as related to dental prosthesis osteology)	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic		
2	4	Muscles of facial expression • Functions of muscles of facial expression • Muscles of mastication	Anatomy and physiology as related to dental prosthesis (Myology	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic		

		 Muscles of the soft palate Tongue Muscle physiology Oral mucous membrane Salivary gland and saliva Physiologic factors affect salivation Function of saliva 			
3	4	Patient interview The objectives of prosthodontic treatment Oral examination Sequences of oral examination	Diagnosis and treatment plan for RPD	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
4	4	Interpretation of Examination Data • Root morphology • Periodontal considerations • Needsfor extraction • Indication of RPD • The Recommended Infection Control Practices for Dental Treatment	To be continued Diagnosis and treatmen	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
5	4	Pre-prosthetic procedures Oral surgical preparation Exostosis and tori Hyperplasic tissue Bony spine and knife edge ridge Augmentation of alveolar bone	Preparation of the mouth to receive an RPD	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic

6	4	Maximum benefit from using tissue conditioning material Periodontal preparation Abutment teeth preparation The sequences of abutment tooth preparation on sound enamel or existing restoration are as follow The procedure of rest seat preparation on sounds enamel surface	Preparation of the mouth to receive an RPD (Continued	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
7	4	Impression material Differences between reversible and irreversible hydrocolloid Important Precautions to Be Observed in the Handling of 1 124 Hydrocolloid Impressions. Stepsin impression making The step-by-step procedure and important points to observe in the making of a hydrocolloid impression	Classification of impression technique	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
8	4	Step-by-Step Procedure for Making a Stone Cast from a Hydrocolloid	Classification of impression technique (To be	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic

		Impression • Possible Causes of an Inaccurate and/or a Weak Cast of a Dental Arch • Technique used for individual impression trays • McLean's physiologic impression • The Recommended Infection Control Practices for Dental Treatment	continue		
9	4	The main problems which might occur in tooth-tissue support • Factors influencing the support of a distal extension denture base • Anatomic form impression • Methods for obtaining functional support for the distal extension base	Designing Support	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
10	4	Initial inspection • Methods and procedures for fitting the framework • Laboratory inspection • Clinical procedures • Occlusal evaluation • Clinical procedures after fitting the	Fitting the removable partial denture framework	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic

		framework			
11	4	The establishment of satisfactory occlusion for RPD • Desirable occlusal contact relationshipsfor various RPD • Occlusion in RPD's(Requireme nts	Occlusal Relationship for Removable Partial Denture	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
12	4	Methodsfor establishing occlusal relationship • Interocclusal records • Excellent occlusal recording materials	Jaw relation in RPD	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
13	4	The trial dentures on the mounted casts • The trial denturesin patient s mouth • Esthetic try-in • Denture base consideration • The patient evaluation • Phonetics evaluation • Verification of Jaw Relation • Choice of tooth materials	Trial RPD	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
14	4	Final inspection of the prosthesis before insertion • Verifying the removable partial denture (RPD) framework fit • Assessment of acrylic resin denture base adaptation •	Initial placement and adjustment of RP	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic

		Assessment of peripheral extension of the denture base • Evaluating occlusion • Adjusting retentive clasp assembly, if needed • Providing instructions for the patient in the use and care of the prosthesis			
15	4	Surgical Guides(Templates) • Commonly Used Preprosthetic Procedures • Ridge Alveoloplasty with Extraction • Intraseptal Alveoloplasty • Edentulous Ridge Alveoloplasty Buccal Exostosis • Maxillary Tuberosity Reductions Mandibular Tori Maxillary Tori Mylohyoid Ridge Reduction Genial Tubercle Reduction	Pre- prosthetic surgery	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
16	4	Soft Tissue Procedures Maxillary Soft Tissue Tuberosity Reduction Maxillary Labial Frenectomy Excision of Redundant/Hyper	Pre- prosthetic Surgical Consideratio ns (Continued	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic

		mobile Tissue Overlying the Tuberosities \(\) Excision of inflammatory Fibrous Hyperplasia (Epulis Fissuratum) \(\) Inflammatory Papillary Hyperplasia of the Palate			
17	4	Mental Attitude (Psychological factor) House classification Social information. Systemic (medical) status	Diagnosis and treatment plan CD	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
18	4	Past dental history Local factors Intraoral examination (mucosa, ridge, hard palate, soft palate, tongue and post mylohyoid space) Radiographic examination Diagnostic cast- advantages • Treatment planning • Prognosis • Patient education	To be continued diagnosis and treatment plan for CD	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
19	4	Definition • Objective of complete denture impression • Biologic considerations for mandibular impressions • Theories of	Impression in CD	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic

		impression techniques • Primary impression • Common errors in impression makings • Secondary (final) impression Materials used for final impression Stepsfor making final impression Correction of special tray Making the final impression Making final impression utilizing digital intraoral scanner			
20	4	Anatomy of TMJ • How does the TMJ move during function? • The muscles and ligaments of TMJ • Mandibular axis • Mandibular movement. (Basic and functional movement) • Border movement (sagittal, horizontal and coronal) • Jaw registration of condylar movements • Articulator's classifications • Face-bow transfer	TMJ and mandibular movement	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
21	4	Digital partial dentures and rapid prototyping procedure •	Digital RPD	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic

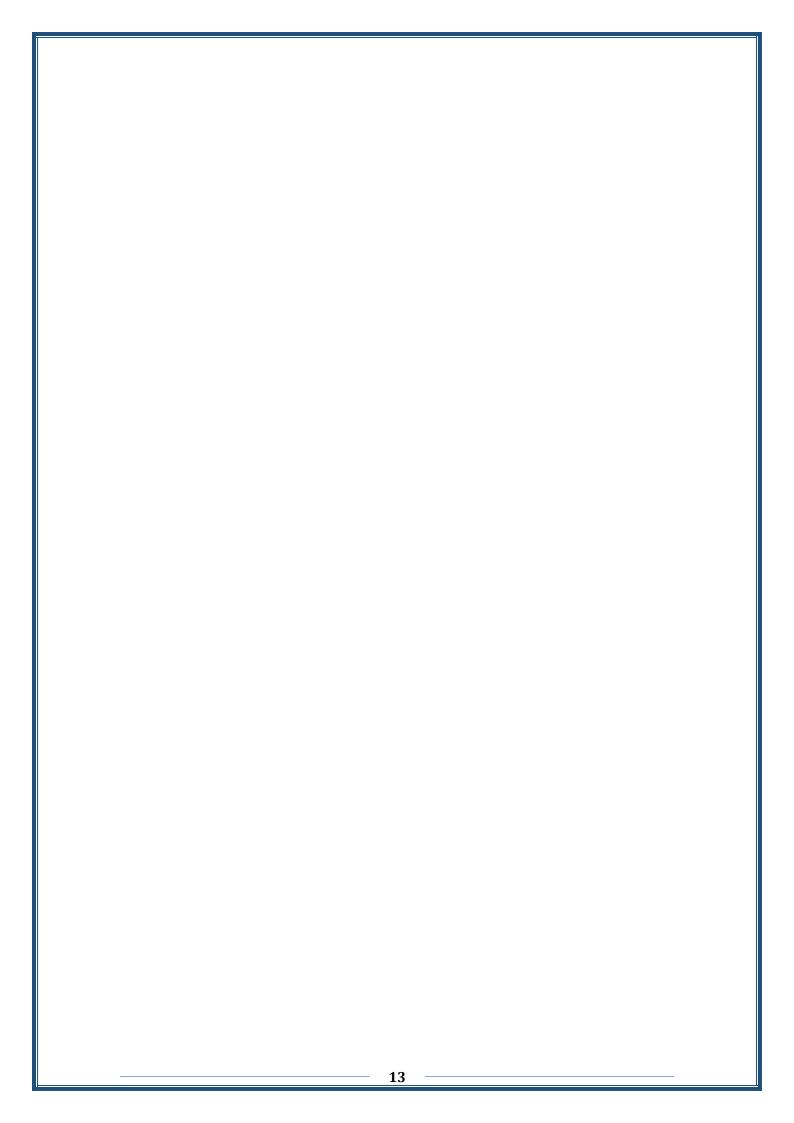
		Difference between conventional and digital RPD Procedure Advantages highlight the benefits of the digital over the conventional method			
22	4	Definition • Importance of Vertical Jaw Relation • Factors Affecting Vertical Jaw Relation • Effects of increased vertical relation • Effects of decreased vertical relation • Vertical Dimension at Rest • Facial measurements after swallowing and relaxing • Vertical Dimension at Occlusion • Methods of Measuring Mechanical methods Physiological methods	Vertical jaw relation	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
23	4	Centric relation \\ Methods must be used to position the jaw in centric relation	Horizontal jaw relation (Centric occlusion	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
24	4	Definition • Importance of trial denture • Objective of trail denture • Extra	Try in stage in CD	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic

		oral examination of trail denture Trail denture assessment in the mouth Incorporation of posterior palatal seal • Patient role in trail denture • Technician role in trail denture			
25	4	Complete denture insertion procedure • Denture base adjustment • Adjustment of denture border • Dentist evaluation Patient evaluation • Friend's evaluation	Insertion of CD	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
26	4	• Intra oral occlusal correction • Extra oral selective grinding (centric and eccentric correction) • Appearance with new denture • Mastication with new denture • Speaking with new denture • Oral hygiene with dentures	Adjustments of CD	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
27	4	Freeway space problem • Pain in the sulcus • Pain on crest of the alveolar ridge • Looseness of one or both dentures • Speech problems •	Post insertion complication s in CD	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic

		Chewing problems			
28	4	Factorsinfluencin g the decision to reline an existing denture • Impression Technique for relining and rebasing	relining and rebasing of CD	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
29	4	Repair of fractured denture teeth • Complex fracture repairs	Repair of fractured RPD	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
30	4	Denture base material • Clasp material • Types of clasps	Esthetic denture materials	Lectures + clinic	Daily, semester, and final exams = weekly evaluation in the clinic
31					

1	The first theoretical exam	12
2	The first practical exam	8
3	The second theoretical exam	12
4	The second practical exam	8
5	Final practical and theoretical exam	60

12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Book of complete denture.
Main references (source)	complete denture.
Recommended books and references (scientific journa reports)	de Monthly scientific journals, in addition to reports that work periodically to improve the properties of materials
Electronic references, websites.	Using the Internet for the purpose of learning everything new in the field of dental materials.



1. Course Name:

periodontology

2. Course Code:

DNT507

- 3. Semester / Year:
- 2 semester/fifth stage.
- 4. Description Preparation Date:

26/4/2024

5. Available Attendance Forms:

weekly

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

30 hr theory/90 practical.

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

Assist.lec.Ahmed.M.Abdul Razag. Email: Den.ahmed.maki@uoanbar.edu.iq

8. Course Objectives

Course Objectives For having the knowledge of disease distribution and management

9. Teaching and Learning Strategies

Strategy

- -Knowledge and understanding
- -Pharmaceutical and surgical treatment of gum diseases.

Week	Hour s	ILOs	Unit/Module or Topic Title	Teachin g Method	Assessme nt Method
1	1	Examinatio n and treatment	Periodontal tissue components	Lecture(power {point	Exam &seminar
2	1	Examinatio n and treatment	Introduction to periodontology	Lecture(power {point	Exam &seminar
3	1	Examinatio n and treatment	Control of microbial growth	Lecture(power {point	Exam &seminar
4	1	Examinatio n and treatment	Advances in periodontal management	Lecture(power {point	Exam &seminar

5	1	Examinatio n and treatment	Gingival and periodontal pocket	Lecture(power {point	Exam &seminar
6	1	Examinatio n and treatment	Pathogenesis of periodontal disease	Lecture(power {point	Exam &seminar
7	1	Examinatio n and treatment	Tooth mobility	Lecture(power {point	Exam &seminar
8	1	Examinatio n and treatment	Furcation involvement	Lecture(power {point	Exam &seminar
9	1	Examinatio n and treatment	Treatment of furcation involvement	Lecture(power {point	Exam &seminar
10	1	Examinatio n and treatment	Epidemiology of periodontal disease	Lecture(power {point	Exam &seminar
11	1	Examinatio n and treatment	seminars	Lecture(power {point	Exam &seminar
12	1	Examinatio n and treatment	seminars	Lecture(power {point	Exam &seminar
13	1	Examinatio n and treatment	seminars	Lecture(power {point	Exam &seminar
14	1	Examinatio n and treatment	seminars	Lecture(power {point	Exam &seminar
15	1	Examinatio n and treatment	Exam& seminars	Lecture(power {point	Exam &seminar

16	1	Examinatio n and treatment	The relation of periodontics with different dental disciplines	Lecture(power {point	Exam &seminar
17	1	Examinatio n and treatment	Periodontal surgery	Lecture(power {point	Exam &seminar
18	1	Examinatio n and treatment	New attachment and guided tissue regeneration (GTR) The original WIDMAN flap	Lecture(power {point	Exam &seminar
19	1	Examinatio n and treatment	Phases of wound healing	Lecture(power {point	Exam &seminar
20	1	Examinatio n and treatment	Dental implant	Lecture(power {point	Exam &seminar
21	1	Examinatio n and treatment	Gingival crevicular fluid (GCF)	Lecture(power {point	Exam &seminar
22	1	Examinatio n and treatment	Dentine hypersensitivity (DH)	Lecture(power {point	Exam &seminar
23	1	Examinatio n and treatment	Occlusion	Lecture(power {point	Exam &seminar
24	1	Examinatio n and	Laser and its	Lecture(power {point	Exam &seminar

		treatment	application in dentistry		
25	1	Examinatio n and treatment	seminar	Lecture(power {point	Exam &seminar
26	1	Examinatio n and treatment	seminar	Lecture(power {point	Exam &seminar
27	1	Examinatio n and treatment	seminar	Lecture(power {point	Exam &seminar
28	1	Examinatio n and treatment	seminar	Lecture(power {point	Exam &seminar
29	1	Examinatio n and treatment	seminar	Lecture(power {point	Exam &seminar
30	1		Exam & seminar	Lecture(power {point	
31					

Distributing the score out if 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports,...etc.

12. Learning and Teaching Resources						
Required textbooks (curricular books, if any)						
Main references (source)	Text book of periodontology and implantology					
Recommended books and references (scientific journa reports)	ls,					

Electronic references, websites.		
		J

1. Course Name:

Oral histology

2. Course Code:

DNT202

3. Semester / Year:

2023-2024

4. Description Preparation Date:

25/4/2024

5. Available Attendance Forms:

weekly

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

60 Hours theory/30 Hours practical

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

Lecturer. Aseel Mohsin Yousif

Lecturer.Abdulnasir Hatem

8. Course Objectives

Course Objectives

- Qualifying dentists capable of identifying the important of various oral tissues
- Studying the cells forming oral hard tissues.
- 9. Teaching and Learning Strategies

Strategy

- Knowledge and understanding
- $\circ \ \textit{The ability to distinguish of oral soft \&hard tissues}$

Week	Hour s	ILOs	Unit/Module or Topic Title	Teachin g Method	Assessme nt Method
1	2	Knowing developmen t of emberyo	Embryogenesis: first week, ovulation, fertilization and implantation	Lectures	Exam + Seminar
2	2	Knowing developmen t of emberyo	2nd week,Bilaminar germ layer	Lectures	Exam + Seminar
3	2	Knowing developmen t of emberyo	3rd week trilaminar germ layer: gastrulation and neurulation	Lectures	Exam + Seminar

4	2	Knowing developmen t of emberyo	Development of head and neck(pharyngeal arch,pouch & cleft)	Lectures	Exam + Seminar
5	2	Knowing Knowing developmen t of emberyo	Development of face and anomalies	Lectures	Exam + Seminar
6	2	Knowing developmen t of emberyo	Development of tongue and anomalies	Lectures	Exam + Seminar
7	2	Knowing developmen t of emberyo	Development of palate and anomalies	Lectures	Exam + Seminar
8	1	Knowing the tissues of oral cavity	Slide preparation: Sectioning,Staining	Lectures	Exam + Seminar
9	2	Knowing the tissues of oral cavity	Tooth development and developmental disturbances of teeth	Lectures	Exam + Seminar
10	2	Knowing the tissues of oral cavity	Dentinogenesis and dentin structure	Lectures	Exam + Seminar
11	2	Knowing the tissues of oral cavity	amelogenesis and enamel structure	Lectures	Exam + Seminar
12	2	Knowing the tissues of oral cavity	Clinical consideration: Genetic and local factors	Lectures	Exam + Seminar
13	2	Knowing the tissues of oral cavity	Dental Pulp	Lectures	Exam + Seminar
14	2	Knowing the tissues of oral cavity	Cementum and clinical consideration	Lectures	Exam + Seminar
15	2	Knowing the tissues of oral cavity	Root formation& Cementogenesis	Lectures	Exam + Seminar
16	2	Knowing the tissues of oral cavity	Periodontal ligament	Lectures	Exam + Seminar
17	2	Knowing the tissues of oral	Principles fiber of pdl and	Lectures	Exam + Seminar

		cavity	gingival fibers		
18	2	Knowing the tissues of oral cavity	Alveolar bone	Lectures	Exam + Seminar
19	2	Knowing the tissues of oral cavity	Bone formation and resorption	Lectures	Exam + Seminar
20	2	Knowing the tissues of oral cavity	Proteins involve in mineralization of bone and dentin	Lectures	Exam + Seminar
21	2	Knowing the tissues of oral cavity	Oral mucosa and their types	Lectures	Exam + Seminar
22	2	Knowing the tissues of oral cavity	Gingiva and dentogingival junction	Lectures	Exam + Seminar
23	2	Knowing the tissues of oral cavity	Eruption of teeth	Lectures	Exam + Seminar
24	1	Knowing the tissues of oral cavity	Shedding of teeth	Lectures	Exam + Seminar
25	2	Knowing the tissues of oral cavity	Salivary gland	Lectures	Exam + Seminar
26	2	Knowing the tissues of oral cavity	Salivary proteins	Lectures	Exam + Seminar
27	2	Knowing the tissues of oral cavity	TMJ	Lectures	Exam + Seminar
28	2	Knowing the tissues of oral cavity	Histochemistry	Lectures	Exam + Seminar
29	2	Knowing the tissues of oral cavity	Age changes of soft and hard tissues	Lectures	Exam + Seminar
30	2	Knowing the tissues of oral cavity	Maxillary sinus	Lectures	Exam + Seminar

11. Course Evaluation Exam + Seminar

Distributing the score out if 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports,...etc.

Orban's Oral Histology and Embryology
Orban's Oral Histology and Embryology
ls,

1. Course Name:					
Operative Dentistry					
2. Course Code:					
DNT505	DNT505				
3. Semester / Year:					
2023-2024/ Fifth Year					
4. Description Prepara	tion Date:				
27/04/2024					
5. Available Attendanc					
Attendance and clinical	1				
	ours (Total) / Number of Units (Total)				
60/30/5					
	or's name (mention all, if more than one name)				
L. Ayad M. AL-kadhi	den.ayad.mahmod@uoanbar.edu.iq				
8. Course Objectives					
Course Objectives	Training the student on how to examine patients and diagnose the condition with approved modern diagnostic methods, then prepare a treatment plan then begin treating the condition in a correct scientific manner, and was modern materials and methods in treating root fillings, crowns, and bridges by giving theoretical lectures while working in clinics.				
9. Teaching and Learn	ing Strategies				
Strategy	 A- Cognitive objectives A-1 Training the student on how to examine and diagnose medical conditions. A-2 Giving important information and treatment steps A-3 Giving instructions and following up on root filling operations A-4 Giving instructions and following up on bridge and crown operations B- Skills objectives for the course B - 1 Describe the tools used to prepare canals for root fillings B - 2 Describe the tools used in the steps to prepare teeth for crowns and bridges B - 3 Teach the student how to use them and follow him during the work 				

10. Course Structure						
Week	Ho ur s	ILOs	Unit/Module or Topic Title	Teaching Method	Assessm ent Metho	

					d
1	1h	1. Recognize diagnosis of and treatment planning for pulpal and periapical conditions Understand the importance of the medical and dental history to ndodontic diagnosis	Endodontic diagnosis	A theoretical lecture using PowerPoint	Short, semester, and final exams
2	1h	1.be able to understand all the methods to control and manage pain in endodontic patients. Management of dental pain during and after endodontic treatment.	Pain control in Endodontics	A theoretical lecture using Power Point	Short, semester, and final exams
3	1h	1. Describe the importance of radiographs in endodontic diagnosis, treatment, and postoperative evaluation. 2. Discuss special applications of radiography to endodontics	Endodontic radiography	A theoretical lecture using Power Point	Short, semester, and final exams
4	1h	1. The importance of accurately measuring the length of the root canal. 2. Different methods and techniques for determining the working length, such as using electronic apex locators or radiographs.	Working length Determination	A theoretical lecture using Power Point	Short, semester, and final exams

5	1h	1. Understand the microbial etiology of apical periodontitis. 2. Describe the routes of entry of microorganisms to the pulp and periradicular tissues. 3. Recognize the different types of endodontic infections and the main microbial species involved in each one. 4. Understand the ecology of the endodontic microbiota and the features of the endodontic ecosystem.	Microbiology	A theoretical lecture using Power Point	Short, semester, and final exams
6	1h	=	Microbiology	A theoretical lecture using Power Point	Short, semester, and final exams
7	1h	1. Describe the basic design (longitudinal, crosssectional, and tip configuration) of the more common canal preparation instruments and their mode of use. 2. Explain the basis for sizing and taper (standardization) of hand-operated instruments. 3. Describe and differentiate between conventional files and files of alternative designs. 4. Define the differences	Intracanal instruments	A theoretical lecture using Power Point	Short, semester, and final exams

		hahiraan statislasa			
		between stainless steel and nickel- titanium intracanal instruments, including physical properties and usage characteristics 1. Describe and			
8	1h	differentiate between different rotary system 2. Describe the action and use of rotary instruments for both cleaning and shaping canals.	Intracanal instruments	A theoretical lecture using Power Point	Short, semester, and final exams
9	1h	1. Recognize the clinical criteria that determine when to obturate. 2. List the criteria for the ideal obturating material. 3. Identify the core obturating materials most commonly used and list their constituents and physical properties., the advantages and disadvantages of each core material.	Obturation of the root canal system	A theoretical lecture using PowerPoint	Short, semester, and final exams
10	1h	1. Describe the lateral compaction technique. 2. Describe the vertical compaction technique. 3. Describe briefly other techniques used for obturation, including thermoplasticizatio n, thermocompaction, paste injection, core carrier systems, and sectional obturation.	Obturation of the root canal system	A theoretical lecture using PowerPoint	Short, semester, and final exams

		5.17. List criteria for the ideal sealer.			
11	1h	1. Recognize the incidence of flare-ups. 2. Describe appropriate diagnostic procedures for endodontic emergencies. 3. Describe the initial patient contact and patient management issues.	Endodontic Emergency Treatment	A theoretical lecture using Power Point	Short, semester, and final exams
12	1h	1. Describe the requirements of an adequate restoration. 2. Identify restorative options before root canal treatment is started. 3. Discuss the advantages and disadvantages of direct and indirect restorations. 4. Outline indications for post placement in anterior and posterior teeth. 5. Describe common post systems and the advantages and disadvantages of each. 6. Describe core materials and their placement.	Restoration of Endodontically Treated Teeth	A theoretical lecture using Power Point	Short, semester, and final exams
13		1. Delineate the anatomic pathways of communication between the dental pulp and the periradicular tissues. 2. Describe the	Endodontic- Periodontal Relations	A theoretical lecture using Power Point	Short, semester, and final exams

		effects of pulpal diseases and endodontic procedures on the periodontium. 3. Describe the effects of periodontal disease and procedures on the dental pulp. 4. Identify the clinical and radiographic findings that are important to identify the origin of periodontal pockets. 5. Know the clinical classification of endodontic-periodontal diseases. 1. Identify the causes and nature			
14	1h	of tooth discoloration. 2 Select the bleaching agent and technique according to the cause of discoloration. 3. Describe each step of the internal "walking bleach" technique. 4. Recognize the potential adverse effects of bleaching and discuss means of prevention.	Tooth discoloration .and bleaching	A theoretical lecture using Power Point	Short, semester, and final exams
15	1h	=	Tooth discoloration .and bleaching	A theoretical lecture using Power Point	Short, semester, and final exams
16	1h	Showing terminology and definition of fixed partial dentures	Terminology, definition of fixed partial denture , Effect of Tooth Loss, Comparism with	A theoretical lecture using Power Point	Short, semester, and final exams

		R.P.D		
17	Demonstrate principles of bridge construction	Types of Fixed Bridge including Basic Bridge Design	A theoretical lecture using Power Point	Short, semester, and final exams
18	Describe components of fixed bridge	Components of Fixed Bridge; ◆ Retainers	A theoretical lecture using Power Point	Short, semester, and final exams
19	Describe pontics and retainers	Components of Fixed Bridge; ◆ Pontics ◆ Connectors	A theoretical lecture using Power Point	Short, semester, and final exams
20	Demonstrate factors in bridge construction	◆ Clinical Consideration for Bridge ConstructionAbutment Tooth(evaluation and selection) _Crown/Root RatioSplinting of teethPatient Occlusal Status. GeneralFactors	A theoretical lecture using Power Point	Short, semester, and final exams
21	Describe bridge design	◆ Clinical Situations affecting Bridge Design; ◆ (Post. Tilted Abutments, Span Length, Pier Abut., Arch 1 175 (Curvature	A theoretical lecture using Power Point	Short, semester, and final exams
22	Describe different types of impression materials and impression techniques	Diagnosis And Treatment Plan. a. Intra-oral Examination. b. X-Rays Examination. c. Diagnostic Cast .Examination	A theoretical lecture using Power Point	Short, semester, and final exams
23	Describe different types of impression	Gingival retraction and	A theoretical lecture using	Short, semester, and final exams

	materials and impression techniques	impression(tech niques)and impression Disinfection	Power Point	
24	Demonstrate temporary restoration, their types and fabrication	provisional Restoration , Oclussion and Aesthetics (Principles of occlusion occlusal plane, Anterior guidance) Bite Registeration, and Articulation	A theoretical lecture using Power Point	Short, semester, and final exams
25	Demonstrate temporary restoration, their types and fabrication	provisional Restoration , Oclussion and Aesthetics (Principles of occlusion occlusal plane, Anterior guidance) Bite Registration, and Articulation	A theoretical lecture using Power Point	Short, semester, and final exams
26	Describe the steps of the try-in procedure	Try-in and Shade Selection (Colour dimensions Hue, Chroma, .(and Value	A theoretical lecture using PowerPoint	Short, semester, and final exams
27	Demonstrate the different types of cements used in fixed restoration	◆ Final Cementation of F.P.Ds. (Techniques)	A theoretical lecture using PowerPoint	Short, semester, and final exams
28	Demonstrate the types and causes of crown and bridge failures	Failure in Fixed .Prosthodontics	A theoretical lecture using Power Point	Short, semester, and final exams
29	Describe the uses of ceramic as a fixed restoration in dentistry	◆ Porcelain in Fixed Prosthodontics (Current Ceramic .)	A theoretical lecture using Power Point	Short, semester, and final exams
30	Describe different types and indications of resin bonded bridge	Resin bonded bridge	A theoretical lecture using Power Point	Short, semester, and final exams
11.Course	e Evaluation			

Distribution of the grade out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, written exams, reports, etc.

12. Learning and Teaching Resources								
Required textbooks (curricular books, if any)	Cohens pathways of the pulp Contemporary Fixed Prosthodontics							
Main references (source)								
Recommended books and references	Cohens pathways of the pulp							
(scientific journals, reports)	Contemporary Fixed Prosthodontics							
Electronic references websites	Cohens pathways of the pulp							
Electronic references, websites.	Contemporary Fixed Prosthodontics							

1. Course Name:

Orthodontics

2. Course Code:

DNT403

3. Semester / Year:

2023-2024

4. Description Preparation Date:

22/4/2024

5. Available Attendance Forms:

Attendance and clinical practice

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

30 theoretical hours and 120 practical hours

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

Lecturer Laith Hamood Aswad (den.laith.hamood@uoanbar.edu.iq)

8. Course Objectives

Course Objectives

Cognitive objectives:

Gaining knowledge about the causes of malocclusion

Methods of diagnosis and treatment

Identify the types of orthodontic devices

• Skills objectives for the course:

Learn how to make different types of removable orthodontic devices

• Emotional and value-based goals:

Solving problems of poor dishes

• General transferable skills:

Preparing the student practically to deal with the removable orthodontic device

9. Teaching and Learning Strategies

Strategy

Lectures using powerpoint

Training laboratories for making removable orthotics

Quarterly exams, mid-year exams, final exams, and short

exams

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Week	Hour s	ILOs	Unit/Module or Topic Title	Teachin g Method	Assessme nt Method
1	1	Orthodontic	Introduction - Definition of orthodontics Definition of - occlusion, normal,	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final

			ideal and malocclusion		
2	1	Orthodontic	Six keys of normal occlusion Aims of - orthodontic treatment	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final
3	1	Orthodontic	Important - orthodontic definitions Classification of - malocclusion	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final
4	1	Orthodontic	Growth and development - Definitions of growth, development and maturity Stages of development (ovum till birth)	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final
5	1	Orthodontic	- Theories of bone growth Definitions of growth site, growth center, displacement, and drift	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final
6	1	Orthodontic	- Growth curve and maximum growth spurt Prenatal and postnatal growth and development of hard tissues	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final
7	1		Prenatal and postnatal growth and development of soft tissues Developmental anomalies	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final
8	1	Orthodontic	- Jaw rotation Compensation and adaptation	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final
9	1	Orthodontic	Deciduous and permanent dentition a-Stages of tooth :development	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final

			Formation,)		
			(root completion		
10	1	Orthodontic	b-Tooth eruption (stages and theories), Sequences and timing of eruption	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final
11	1	Orthodontic	Development of occlusion a. new .born oral cavity b. Deciduous dentition stage - Dental changes .till 6 years of age	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final
12	1	Orthodontic	c. Early mixed dentition stage - eruption of first molars and incisors. d. Late mixed dentition stage - eruption of canines and premolars Permanent dentition - eruption second and third .molars	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final
13	1	Orthodontic	Etiology of malocclusion: Genetic andinherited etiological factors of malocclusion	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final
14	1	Orthodontic	Classification of etiological factors a. General factors i. Skeletal factors	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final
15	1	Orthodontic	ii. Soft tissue factors	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final
16	1	Orthodontic	iii. dental factors	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final
17	1	Orthodontic	b. Local factors (definitions	Theoretical lecture using	Short, sedimentary exams, semi -year

			without treatment)	Power Point	and final
18	1	Orthodontic	Tooth movement Tissue a. changes associated with :tooth movement i. Histology of periodontium ii. Theories of tooth movement b. Accelerated tooth .movement	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final
19	1	Orthodontic	c. Biomechanics i. Force (application, type, magnitude, duration and direction) ii. Center of resistance and rotation, moment of force and moment of .couple iii. Types of tooth movement iv. Rate of tooth movement and factors affecting .it	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final
20	1	Orthodontic	d. iatrogenic effect of tooth movement (pain, mobility, pulp effect, root resorption, white .spot lesions)	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final
21	1	Orthodontic	Biomechanics	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final
22	1	Orthodontic	Anchorage (definition, indications, types)	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final
23	1	Orthodontic	Orthodontic appliances a. :Overview i. passive	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final

			orthodontic appliances (habit breaker, retainer and space maintainer) ii. active orthodontic appliances (removable, fixed, orthopedic and myofunctional, and combination) iii. Other active appliances: space regainer, Invisalign		
24	1	Orthodontic	b. Removable Orthodontic :Appliance i. Properties of various components (SS wire, acrylic) ii. Components:) active components (springs, screws and elastics)) retentive components (clasps)) acrylic base plate and bite planes) anchorage	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final
25	1	Orthodontic	iii. Design of a removable orthodontic appliance iv. Construction of a removable orthodontic appliance v. Soldering and welding vi. Post-insertion instructions and	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final

			guidelines		
26	1	Orthodontic	c. Fixed orthodontic :appliance Types, components, advantages, limitation, biomechanics, banding vs. bonding	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final
27	1	Orthodontic	d. Orthopedic and Myofunctional appliance: Types, components, advantages, limitation, mode of action	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final
28	1	Orthodontic	continue Orthopedic and Myofunctional appliance: Types, components, advantages, limitation, mode of action	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final
29	1	Orthodontic	f. Retention and retainers Retention (definition, reason, time)	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final
30	1	Orthodontic	Retainers (Hawley, clear overlay, positioners, permanent fixation, precision)	Theoretical lecture using Power Point	Short, sedimentary exams, semi -year and final
31					

11. Course Evaluation

Distributing the degree from 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, editorial, reports ... etc.

12. Learning and Teaching Resources

Contemporary Orthodontics, William R. Proffit Sixth edition Textbook of Orthodontics Singh 2007
Text books
ls eports published on the college website
College website

1. Course Name:

Periodontology

2. Course Code:

DNT407

- 3. Semester / Year:
- 2 semester/fourth stage
- 4. Description Preparation Date:

25/4/2024

5. Available Attendance Forms:

weekly

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

90hr practical/30 hr theoritical

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

Lec.Nuha.O.Hamid. den.nuha.agab@uoanbar.edu.iq

8. Course Objectives

Course Objectives For diagnosis, treatment and prevention of periodontal diseases.

9. Teaching and Learning Strategies

Strategy

-Knowledge and understanding

-Pharmaceutical and surgical treatment of gum diseases.

10. Course Structure

Week	Ho ur s	ILOs	Unit/Module or Topic Title	Teachin g Metho d	Assess ment Meth od
1	1	Examination and treatment	Terms & definitions frequently used in periodontology	Lecture(power {point	Exam &seminar
2	1	Examination and treatment	Anatomy of the periodontium	Lecture(power {point	Exam &seminar
3	1	Examination and treatment	Anatomy of the periodontium	Lecture(power {point	Exam &seminar
4	1	Examination and treatment	Anatomy of the periodontium	Lecture(power {point	Exam &seminar

5	1	Examination and treatment	Anatomy of the periodontium	Lecture(power {point	Exam &seminar
6	1	Examination and treatment	Classification of periodontal diseases and conditions (2017)	Lecture(power {point	Exam &seminar
7	1	Examination and treatment	Classification of periodontal diseases and conditions (2017)	Lecture(power {point	Exam &seminar
8	1	Examination and treatment	Classification of periodontal diseases and conditions (2017)	Lecture(power {point	Exam &seminar
9	1	Examination and treatment	Etiology of periodontal disease	Lecture(power {point	Exam &seminar
10	1	Examination and treatment	Etiology of periodontal disease and risk factors	Lecture(power {point	Exam &seminar
11	1	Examination and treatment	Microbiologic specificity of periodontal diseases	Lecture(power {point	Exam &seminar
12	1	Examination and treatment	Dental calculus	Lecture(power {point	Exam &seminar
13	1	Examination and treatment	Dental stain	Lecture(power {point	Exam &seminar
14	1	Examination and treatment	Etiology of periodontal disease	Lecture(power {point	Exam &seminar
15	1	Examination and treatment	Etiology of periodontal disease	Lecture(power {point	Exam &seminar

16	1	Examination and treatment	Etiology of periodontal disease and risk factors	Lecture(power {point	Exam &seminar
17	1	Examination and treatment	Impact of periodontal infection on systemic health	Lecture(power {point	Exam &seminar
18	1	Examination and treatment	Impact of periodontal infection on systemic health	Lecture(power {point	Exam &seminar
19	1	Examination and treatment	Periodontal indices	Lecture(power {point	Exam &seminar
20	1	Examination and treatment	The periodontal pocket	Lecture(power {point	Exam &seminar
21	1	Examination and treatment	Treatment plan guidelines	Lecture(power {point	Exam &seminar
22	1	Examination and treatment	Treatment plan guidelines § Phase 1 (behavior - change, removal of supragingival dental biofilm and :risk factor control)	Lecture(power {point	Exam &seminar
23	1	Examination and treatment	Treatment plan guidelines Phase 2 (cause related therapy)	Lecture(power {point	Exam &seminar
24	1	Examination and treatment	Treatment plan guidelines Phase 3 - (corrective/surgical phase)	Lecture(power {point	Exam &seminar
25	1	Examination and treatment	Treatment plan guidelines Phase 4 - (maintenance	Lecture(power {point	Exam &seminar

			therapy)		
26	1	Examination and treatment	Plaque biofilm control for the periodontal patient	Lecture(power {point	Exam &seminar
27	1	Examination and treatment	Plaque biofilm control for the periodontal patient	Lecture(power {point	Exam &seminar
28	1	Examination and treatment	Periodontal instruments and sharpening	Lecture(power {point	Exam &seminar
29	1	Examination and treatment	Breath Malodor (Halitosis)	Lecture(power {point	Exam &seminar
30	1	Examination and treatment	Systemic anti- infective therapy for periodontal diseases	Lecture(power {point	Exam &seminar

11.Course Evaluation

Distributing the score out if 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports,...etc.

12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Lindhe's Clinical Periodontology and Implant Dentistry
Main references (source)	Carranza's Clinical Periodontology
Recommended books and references (scientific journa reports)	ls,

Electronic references, websites.	

Clinical and preclinical requirement

Credit hours required Requirement details

3 h/week (90 h/year)

Preclinical:

- Training on ergonomic aspects of grasping and use of the instruments and their maintenance i.e. resharpening

Clinical:

- Recording medical and dental history
- Patient's education and motivation
- Oral hygiene instructions (OHI)
- Recording periodontal indices
- Diagnosis according to classification of periodontal disease and conditions (2017)
- Non-surgical periodontal therapy (manual scaling + polishing)

1. Course Name:

Prevention

2. Course Code:

DNT 508

3. Semester / Year:

2023-2024

4. Description Preparation Date:

26/4/2024

5. Available Attendance Forms:

Attendance and clinical practice

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

Theoretical hours are 30 hours

Practical hours: 37.5 hours Number of total units 4

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

Teacher: Mohammed ismail Abdullah E.mail: den.mohammed.esmail@uoanbar.edu.iq

8. Course Objectives

Course Objectives

Identify and understand the causes of various oral diseases such as caries, gingivitis, and cavities.

- Identify effective ways to prevent oral diseases and encourage good oral health through awareness and education.
- Study and evaluate health behaviors that may affect oral and dental health, such as oral hygiene and proper nutrition.
- Develop clinical oral examination skills and use the necessary tools and techniques to provide preventive care to patients.
- Enhance clinical skills in applying prevention techniques such as fluoride application, dental sealing, and periodic dental cleaning.

9. Teaching and Learning Strategies

Strategy

- 1- **Active Learning:** Encouraging students to participate in interactive learning activities such as group discussions solving clinical cases, and conducting practical experiments. This can enhance their understanding and application or preventive concepts in clinical work contexts
- **2- Cooperative Learning:** Encouraging teamwork and cooperation among students, where knowledge and experiences are shared and problems are solved together. This approach can help build students' social and technical skills.
- **3- Project Learning:** Engaging students in practical projects related to oral health prevention, such as designing health

awareness campaigns in the community, or conducting scientific research on specific topics in preventive dentistry.

4- Problem-based learning: Presenting real-world scenarios and problems that students must solve using the knowledge and skills they have acquired. This promotes critical thinking and practical application.

Clinical Simulation: Using simulation of clinical operations and hands-on prevention and treatment skills, giving students the opportunity to apply theoretical concepts in an environment similar to real work.

5-Using technology in learning: Using applications interactive computer programs, multimedia, and virtua simulations to enhance learning and training processes in preventive dentistry.

10. Cours	10. Course Structure				
Week	Hour s	ILOs	Unit/Module or Topic Title	Teachin g Method	Assessme nt Method
1	1	preventive dentistry	Preventive dentistry	A theoretical lecture using Power Point	Short, semester, and final exams
2	1	Dental caries developm ent	Preventive dentistry	A theoretical lecture using Power Point	Short, semester, and final exams
3	1	Diagnosis of dental caries	Preventive dentistry	A theoretical lecture using Power Point	Short, semester, and final exams
4	1	Fluorides in Dentistry	Preventive dentistry	A theoretical lecture using Power Point	Short, semester, and final exams
5	1	Fluoride in prevention and controlling dental caries	Preventive dentistry	A theoretical lecture using Power Point	Short, semester, and final exams
6	1	Topical Fluorides / profession	Preventive dentistry	A theoretical lecture using Power Point	Short, semester, and final exams

		al			
7	1	Topical Fluoride Self- Applied Fluoride	Preventive dentistry	A theoretical lecture using Power Point	Short, semester, and final exams
8	1	Fluoride Toxicity	Preventive dentistry	A theoretical lecture using Power Point	Short, semester, and final exams
9	1	Pit and fissure sealants	Preventive dentistry	A theoretical lecture using Power Point	Short, semester, and final exams
10	1	New approach in restorative dentistry	Preventive dentistry	A theoretical lecture using Power Point	Short, semester, and final exams
11	1	Oral microbial	Preventive dentistry	A theoretical lecture using Power Point	Short, semester, and final exams
12	1	Saliva and host defense mechanis m	Preventive dentistry	A theoretical lecture using Power Point	Short, semester, and final exams
13	1	Caries risk assessmen t	Preventive dentistry	A theoretical lecture using Power Point	Short, semester, and final exams
14	1	Infections control	Preventive dentistry	A theoretical lecture using Power Point	Short, semester, and final exams
15	1	Oral hygiene measures (mechanic al plaque control	Preventive dentistry	A theoretical lecture using Power Point	Short, semester, and final exams
16	1	Chemical plaque control agents	Preventive dentistry	A theoretical lecture using Power Point	Short, semester, and final exams
17	1	Diet and dental caries	Preventive dentistry	A theoretical lecture using Power Point	Short, semester, and final exams
18	1	Non Cariogenic Sugar Substitute s	Preventive dentistry	A theoretical lecture using Power Point	Short, semester, and final exams
19	1	Dietary	Preventive dentistry	A theoretical lecture	Short, semester, and

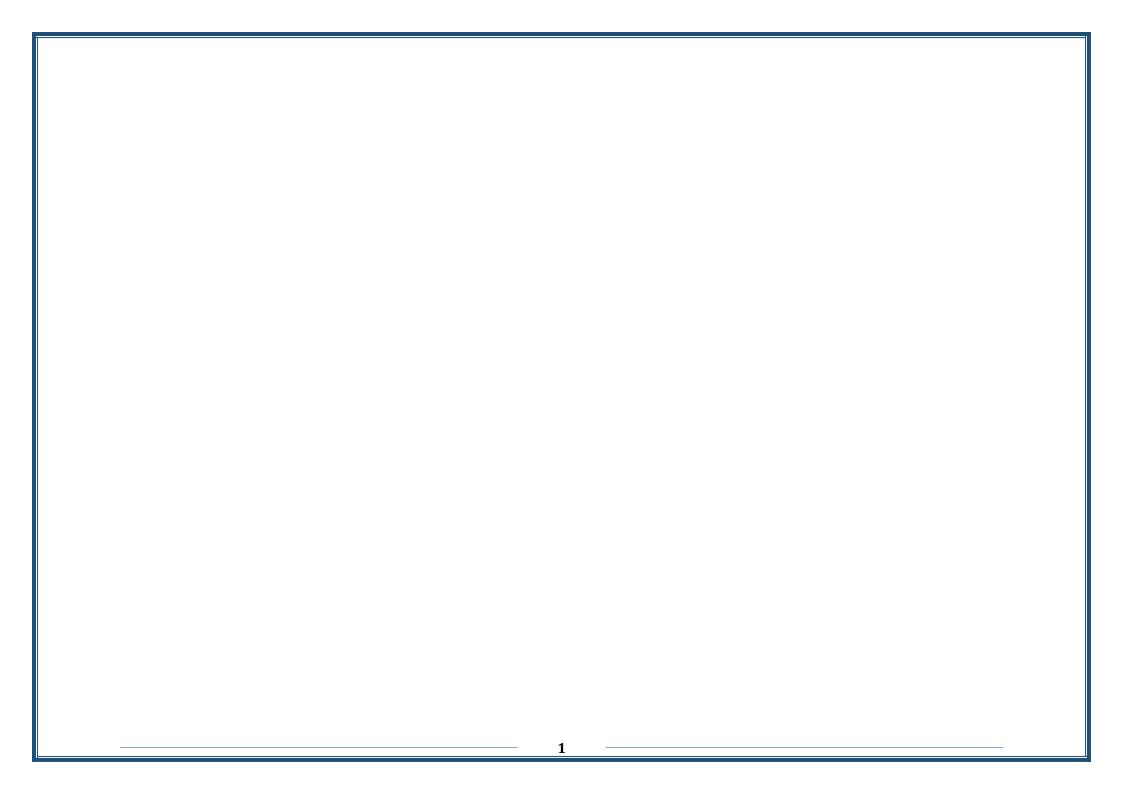
		counseling		using Power Point	final exams
		in dental			
		practice			
		Nutrition	Preventive dentistry	A theoretical lecture	Short, semester, and
20	1	and dental		using Power Point	final exams
		health			
		Prevention	Preventive dentistry	A theoretical lecture using Power Point	Short, semester, and final exams
		periodont			
21	1	al disease			
		and oral			
		cancer by			
		nutrition			
		Probiotics	Preventive dentistry	A theoretical lecture	Short, semester, and
22	1	and dental		using Power Point	final exams
		health			
		Diagnosis and	Preventive dentistry	A theoretical lecture using Power Point	Short, semester, and final exams
23	1	prevention			
		of dental			
		erosion			
		Prevention	Preventive dentistry	A theoretical lecture	Short, semester, and
24	4	of		using Power Point	final exams
24	1	malocclusi			
		on			
		Preventive	Preventive dentistry	A theoretical lecture	Short, semester, and
		measure		using Power Point	final exams
		for			
25	1	population			
23	ı	with			
		developm			
		ental			
		disabilities			
26	1	Geriatric	Preventive dentistry	A theoretical lecture using Power Point	Short, semester, and final exams
	•	dentistry		_	
		prevention	Preventive dentistry	A theoretical lecture using Power Point	Short, semester, and final exams
27	1	of peri-		using I Owel Fullit	iiiai Caaiiis
— ·		implant 			
		diseases	D 2 1 2	A /1	Cl
		Ozone in	Preventive dentistry	A theoretical lecture using Power Point	Short, semester, and final exams
		the		asing I ower I out	mai Callis
28	1	preventive			
		of dental			
		disease	Duorrouti 1t	A thooreti11.	Chart samesting and
29	1	preventive	Preventive dentistry	A theoretical lecture using Power Point	Short, semester, and final exams
		treatment		Dome I office I office	and Vandily
		strategies			

		for medically compromi sed			
30	1	protection of the dentition	Preventive dentistry	A theoretical lecture using Power Point	Short, semester, and final exams
31					

11. Course Evaluation

Distribution of the grade out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, written exams, reports, etc.

12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Comprehensive preventive dentistry (2012) (book).
Main references (source)	Primary preventive dentistry (2014) (book).
Recommended books and references (scientific journa reports)	Dental caries, principles and management (2016) ls (book) Textbook of clinical cariology (1996) (book).
Electronic references, websites.	



1. Course Name);					
Oral Pathology	Oral Pathology					
2. Course Code:						
DNT303						
3. Semester / Yo	ear:					
Forth Stage						
4. Description F	Preparation Date:					
20/4/2024						
5. Available Att	endance Forms:					
Weekly						
6. Number of C	redit Hours (Total) /	Number of Units (T	Cotal)			
	ory/ 60 Hours prac					
		mention all, if more	e than one r	name)		
	ant Lecture Ahlam ' a.th87@uoanbar.ed					
8. Course Obj	ectives					
Ourse Objectives						
9. Teaching and Learning Strategies						
Strategy	❖ Knowledge and understanding					
	 The ability to distinguish between different diseases 					
	 How to use dyes 					
○ Learning to cut tissue						
10. Course Structure						
Week Hours	Required	Unit or subject	Learning	Evaluation		
	Learning	name	method	method		

		Outcomes			
1	2	Knowing diagnosis and pathogenesis of the diseases	Introduction & Principles of biopsy techniques	Lectures	Exam+Seminar
2	2	Knowing diagnosis and pathogenesis of the diseases	Healing in oral pathology	Lectures	Exam + Seminar
3	2	Knowing diagnosis and pathogenesis of the diseases	Dental caries	Lectures	Exam + Seminar
4	2	Knowing diagnosis and pathogenesis of the diseases	Pulp pathology	Lectures	Exam + Seminar
5	2	Knowing diagnosis and pathogenesis of the diseases	Peripical pathology	Lectures	Exam + Seminar
6	2	Knowing diagnosis and pathogenesis of the diseases	Inflammatory diseases of bone	Lectures	Exam + Seminar
7	2	Knowing diagnosis and pathogenesis of the diseases	Fibro-osseous lesion of bones	Lectures	Exam + Seminar
8	2	Knowing diagnosis and pathogenesis of the diseases	Genetic and metabolic disease of bone	Lectures	Exam + Seminar
9	2	Knowing diagnosis and pathogenesis of the diseases	Gaint cell lesions of bone	Lectures	Exam + Seminar
10 11	4	Knowing diagnosis and pathogenesis of the diseases	Developmental disturbances	Lectures	Exam + Seminar
12 13	4	Knowing diagnosis and pathogenesis of the diseases	Cysts of the jaws	Lectures	Exam + Seminar
14 15	4	Knowing diagnosis and pathogenesis of the diseases	Odontogenic tumors	Lectures	Exam + Seminar
16 17	4	Knowing diagnosis and pathogenesis of the diseases	Bone neoplasia	Lectures	Exam + Seminar
18 19	4	Knowing diagnosis and pathogenesis of the diseases	Benign Epithelial lesion	Lectures	Exam + Seminar
20	2	Knowing diagnosis and pathogenesis of the diseases	Malignant epithelial tumors	Lectures	Exam + Seminar
21	2	Knowing diagnosis and pathogenesis of the diseases	Oral mucosa	Lectures	Exam + Seminar

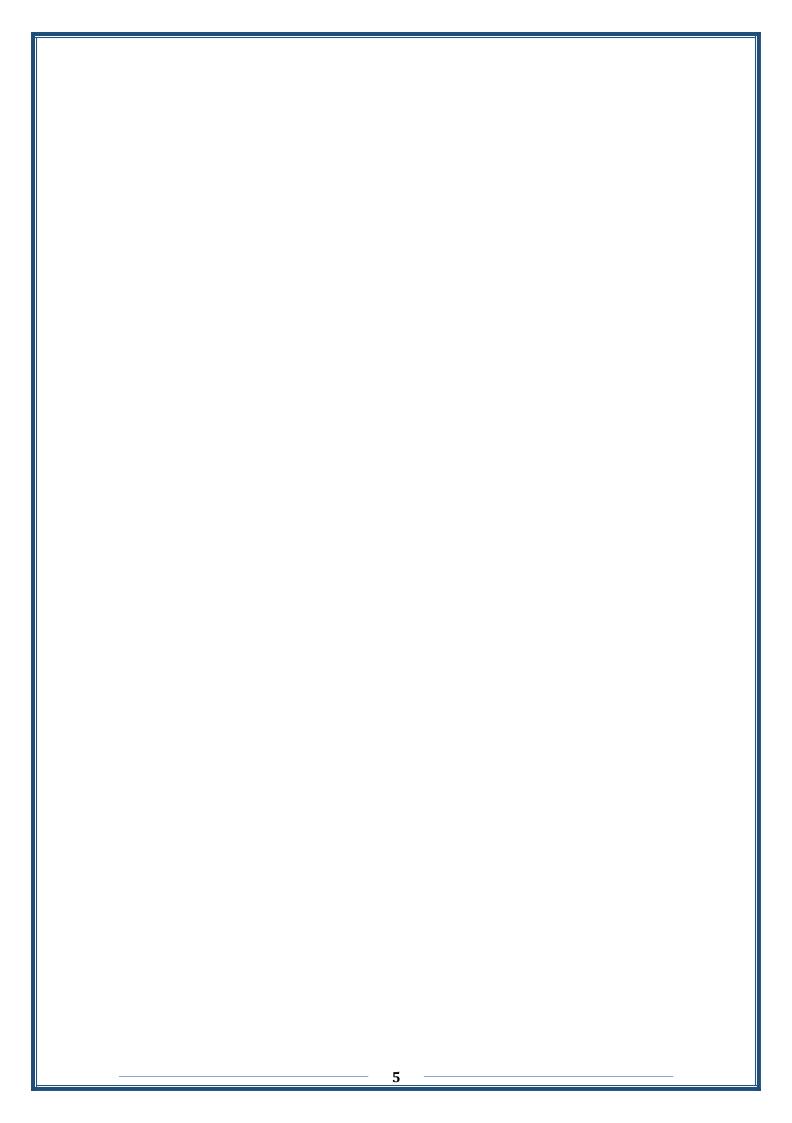
22	2	Knowing diagnosis	Infections	Lectures	Exam + Seminar
		and pathogenesis			
		of the diseases			
23	4	Knowing diagnosis	Immune mediated	Lectures	Exam + Seminar
24		and pathogenesis	diseases		
		of the diseases			
25	4	Knowing diagnosis	Connective tissue	Lectures	Exam + Seminar
26		and pathogenesis	diseases		
		of the oral diseases			
27	2	Knowing diagnosis	Salivary gland	Lectures	Exam + Seminar
		and pathogenesis	diseases		
		of the oral diseases			
28	2	Knowing diagnosis	Salivary gland tumors	Lectures	Exam + Seminar
		and pathogenesis			
		of the oral disease			
29	2	Knowing diagnosis	Physical and chemical	lectures	Exam +seminar
		and pathogenesis	injureis		
		of the oral diseases			
30	2	Knowing diagnosis	Forensic dentistry	lectures	Exam +seminar
		and pathogenesis			
		of the oral diseases			

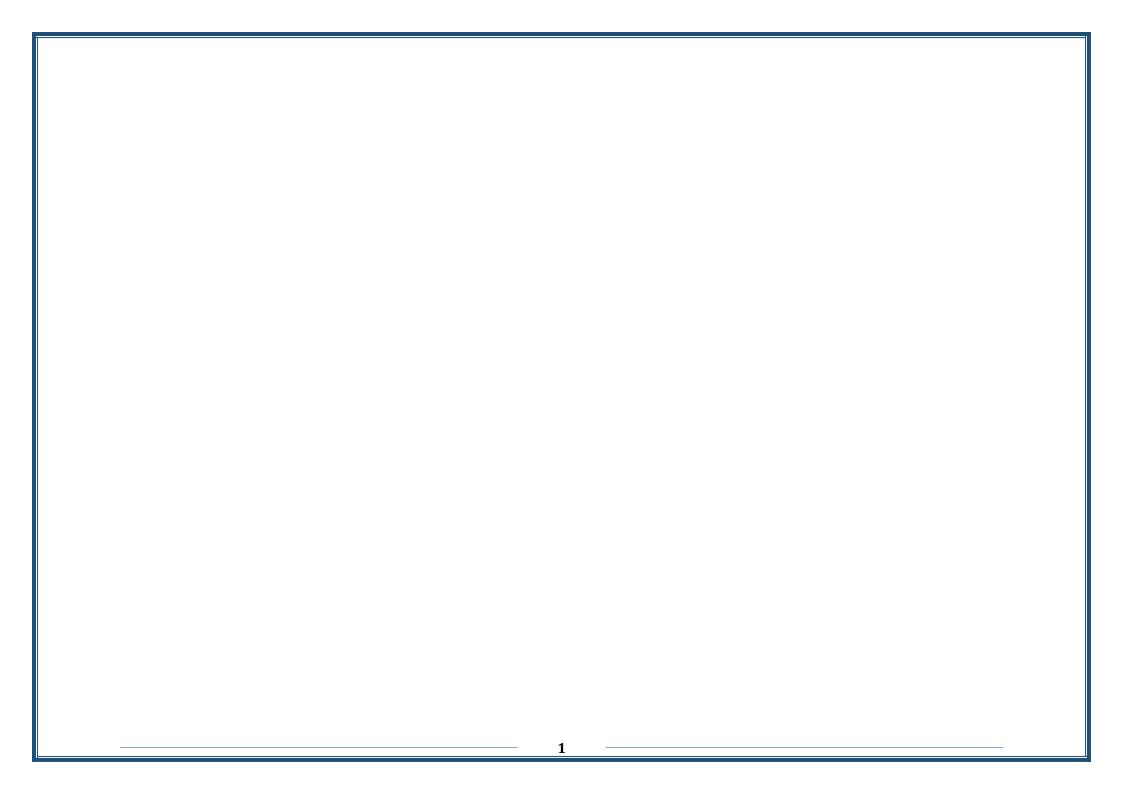
11. Course Evaluation

Electronic references, websites.

Distributing the score out if 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports,...etc.

12. Learning and reaching Resources	
Required textbooks (curricular books, if any)	
Main references (source)	Neville oral and maxillofacion pathology
Recommended books and references (scientific journals, reports)	





1. Course Name:				
General Pathology				
2. Course Code:				
DNT303				
3. Semester / Year:				
Third Stage				
4. Description Preparation Date:				
20/4/2024				
5. Available Attendance Forms:				
Weekly				
6. Number of Credit Hours (Total) / Number of Units (Total)				
60 Hours theory/ 60 Hours practical				
7. Course administrator's name (mention all, if more than one name)				
Name: Assis. Prof. Dr. Afrah Adnan Aldelaimi Email: den.afrah.aldelaimi@uoanbar.edu.iq				
8. Course Objectives				
 Qualifying dentists capable of identifying the important causes of various general diseases. Studying the diagnosis of various diseases processes. Studying methods of using different dyes to identify these diseases and their causes. 				es.
9. Teaching and Learning Strategies				
Strategy ❖ Knowledge and understanding				
 The ability to distinguish between different diseases 				
 How to use dyes 				
 Learning to cut tissue 				
10. Course Structure				
Week Hours	Required	Unit or subject	Learning	Evaluation
	Learning	name	method	method

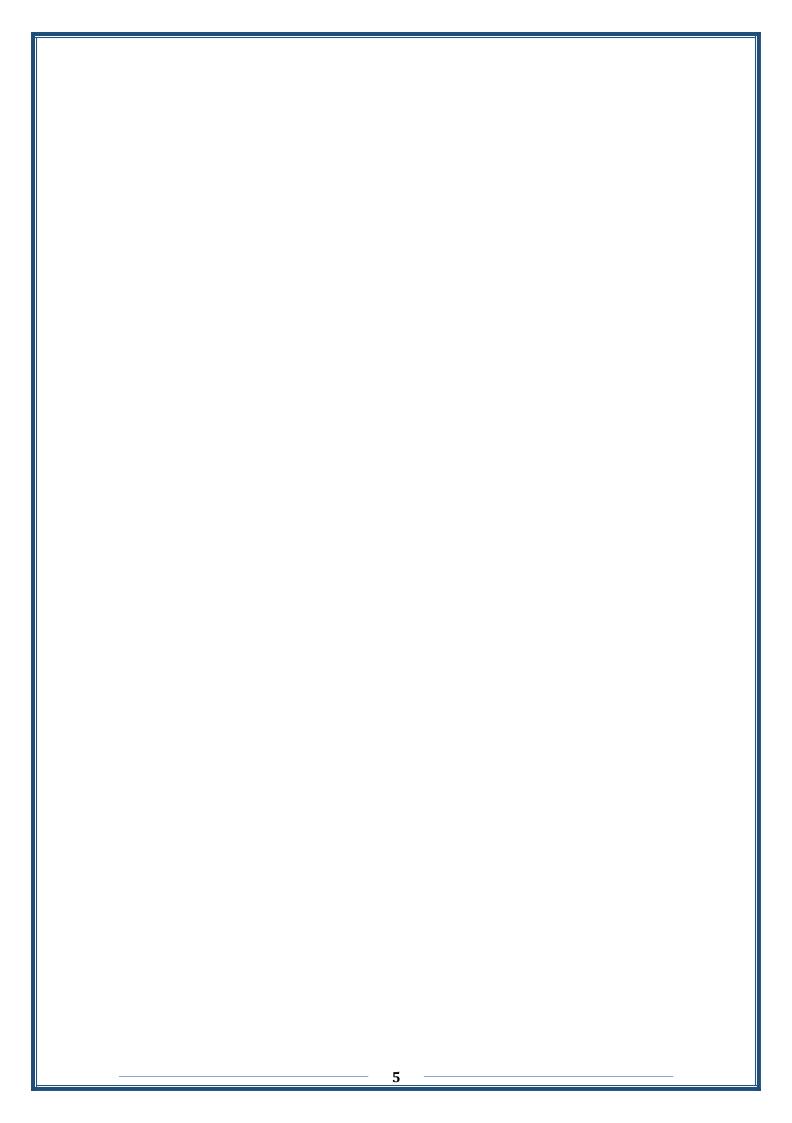
		Outcomes			
1	2	Knowing diagnosis and pathogenesis of the diseases	Introduction to pathology Clinical pathology Molecular pathology Cell damage reversible cell injury	Lectures	Exam+Seminar
2	4	Knowing diagnosis and pathogenesis of the diseases	Irreversible cell injury Deposits and pigmentation External and internal pigmentation	Lectures	Exam + Seminar
3	4	Knowing diagnosis and pathogenesis of the diseases	Inflammation Acute inflammation Chronic pathology Chemical mediators	Lectures	Exam + Seminar
4	4	Knowing diagnosis and pathogenesis of the diseases	Healing and repair Healing of skin wound Healing of bone	Lectures	Exam + Seminar
5	4	Knowing diagnosis and pathogenesis of the diseases	Hemodynamic Disorders, Thromboembolic Disease, and Shock	Lectures	Exam + Seminar
6	4	Knowing diagnosis and pathogenesis of the diseases	Genetic	Lectures	Exam + Seminar
7	4	Knowing diagnosis and pathogenesis of the diseases	Diseases of the Immune System Hypersensitivity Autoimmune diseases Transplantation	Lectures	Exam + Seminar
8	6	Knowing diagnosis and pathogenesis of the diseases	Neoplasia bengin and malignant tumors molecular basis of tumors	Lectures	Exam + Seminar
9	2	Knowing diagnosis and pathogenesis of the diseases	Infections Bacterial and viral infection	Lectures	Exam + Seminar
10	2	Knowing diagnosis and pathogenesis of the diseases	Environmental and Nutritional Diseases	Lectures	Exam + Seminar
11	2	Knowing diagnosis and pathogenesis of the diseases	Blood Vessels	Lectures	Exam + Seminar
12	2	Knowing diagnosis and pathogenesis of the diseases	The Heart diseases	Lectures	Exam + Seminar
13	2	Knowing diagnosis and pathogenesis of the diseases	Red Blood Cell and Bleeding Disorders	Lectures	Exam + Seminar
14	2	Knowing diagnosis and pathogenesis of the diseases	Diseases of White Blood Cells	Lectures	Exam + Seminar

15	4	Knowing diagnosis and pathogenesis of the diseases	Diseases of G.I.T	Lectures	Exam + Seminar
16	2	Knowing diagnosis and pathogenesis of the diseases	Diseases of liver, pancreas and gall bladder	Lectures	Exam + Seminar
17	2	Knowing diagnosis and pathogenesis of the diseases	Diseases of endocrine systems	Lectures	Exam + Seminar
18	2	Knowing diagnosis and pathogenesis of the diseases	Diseases of respiratory system	Lectures	Exam + Seminar
19	2	Knowing diagnosis and pathogenesis of the diseases	Bone diseases	Lectures	Exam + Seminar
20	2	Knowing diagnosis and pathogenesis of the diseases	Kidney Diseases	Lectures	Exam + Seminar
21	2	Knowing diagnosis and pathogenesis of the diseases	Urinary system	Lectures	Exam + Seminar

11. Course Evaluation

Distributing the score out if 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports,...etc.

12. Learning and Teaching Resources					
Required textbooks (curricular books, if any)	Robin`s Basic Pathology				
Main references (source)	Harsh General Pathology				
Recommended books and references (scientific					
journals, reports)					
Electronic references, websites.					



1.	Wee k	Hour s	ILOs	Unit/ Module or Topic Title	Teachin g Metho d	Assessme nt Method
0	ral Surg	ery	Understanding	Endodontic	Lecture delivery	
2.	Course	Code:	concepts,	surgery	using the Power Point system	Written exam and
D	NT501		basics and application	<u> </u>	1 ome system	<u>-clinical</u>
3.		ar/Vear	Understanding		Lecture delivery	Written exam and
	nually/Fift		concepts,	Orofacial pain	using the Power	clinical
4.	Descrip	ion Pron	basics and aration Date:		Point system	
	/4/2024	LIOII FIEP	- ' '			
		o Attonda	Understanding	Benign cystic	Lecture delivery	Written exam and
5.		10	nce Formests,	lesion of the oral cavity	using the Power Point system	clinical
			Pracetics and	•	•	
6.	Number	r of Credi	application t Hours (Total) / Understanding	Number of Units	(Total) Lecture delivery	Written exam and
8/	240	10	concents		using the Power	clinical
7.	Course	admi̇̀nistr	ator's	ntion all if more	thanionseiseme)	
Pr	ofessor [r. Kamal	Turki Alication	DISEASES OF THE	Lecture delivery	Written exam and
As	sist. Prof	. Dr, Moh	Understanding ammed Khidher concepts,	TEMPORAL-	using the Power	clinical
As	sist prof.	Dr. S aba	h Abdulkasandi	MANDIBULAR	Point system	
			Nazaalpholekiaftion	JOINT		
Le	cturer Dr	. Ahmed	Jassander Nordina	med _{DENTAL}	Lecture delivery	Written exam and
8.		Objecti	concontc	IMPLANTS	using the Power Point system	clinical
Co	urse Obj		Dasies allu	bility to learn abo	ut surgery in gene	ral
					skildetarredevlaidayble	
	7	10	1 1		ne odsiang noloes Psowofersyn	က ှာiroica s and diseases in the
	,		molettiçfate an	_	Point system	
						s with health disorders.
	_		5. Study of gen	eral diseases relat SURGICAL AIDS vho is a student	ed to dentistry and using the Power	ı, Writtertexamra Bolal surgery İklinical
	8	10	6. A mother v	vho is a student TO ORTODENTICS. atment methods.	Point system	that may result from ora
			i application			
9.	Toachin	a and Los	Understanding	FIBRO-OSSEOUS	hods for gral and i	
	rategy	9 and Lea	rning Streptegie:	I FSIONS OF THE	using the Power Point system	clinical
عد	acegy		2. Papyöliöagisonude	Ι ΙΔ\Λ/	FOILL SYSTEIL	
			3. Understandifigm		Lecture delivery	Written exam and
	10	10	4. Powacepists.	Diseases of	using the Power	clinical
	10		6. Applied clinical	nal models salivary glands applications	Point system	
			Understanding		Lecture delivery	Written exam and
			concepts,	ODONTOGENIC	using the Power	clinical
	11	10	basics and	TUMORS OF THE	Point system	
			application	JAW		
			Understanding	BENIGN TUMORS	Lecture delivery	Written exam and
	12	10	concepts, basics and	OF THE ORAL	using the Power	clinical
			application	SOFT TISSUES	Point system	
			аррисасіон	Principles of	Lecture delivery	Written exam and
			Understanding	differential	using the Power	clinical
	13	10	concepts,	diagnosis and	Point system	1
			basics and	biopsy in oral and		
			application	maxillofacial		
				surgery		

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UU		-v	<i></i>			u	

Quizzes and short exams, questions and discussions in the lecture, absences, the final exam. Practical: class exam, activity, practical exams, clinical training exams.

11.Learning and Teaching Resources

	1. Oral & maxilla facial surgery
Required textbooks (curricular books, if any)	2. AN OUTLINE OF ORAL SURGERYPART
Main references (source)	1. Oral & maxilla facial surgery
Wall Felerences (Source)	2. AN OUTLINE OF ORAL SURGERYPART
Recommended books and references (scientific	1. Oral & maxilla facial surgery
journals, reports)	2. AN OUTLINE OF ORAL SURGERYPART
Electronic references, websites.	1. Oral & maxilla facial surgery
Electronic references, websites.	2. AN OUTLINE OF ORAL SURGERYPART

1. Course Name:

Pedodontic

2. Course Code:

DNT504

3. Semester / Year:

2023-2024

4. Description Preparation Date:

26/4/2024

5. Available Attendance Forms:

Attendance and clinical practice

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

30h: Theory -75h clinical

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

Assisit.prof.lamia Ebrahem den.lamia.ibrahem@uoanbar.edu.iq

8. Course Objectives

Course Objectives

- - Teaching and training students on how to deal with children
- Complete diagnostic work plan using modern methods
- Health survey, current visits and educational lectures
 - 9. Teaching and Learning Strategies

Strategy

- Weekly lectures to teach students how to deal with healthy children and disable child, where students are taught and taught ways to confront and solve problems in educational clinics designated for that, with illustrative methods.
- . self education
- Educational clinics
- Electronic classes

1. Course

Assessment Method

Teaching Method

Unit/Module or Topic Title

ILOs

hour

week

Daily, semester, and final exams = weekly evaluation in the clinic

Lectures + clinic

Advantages of treatment planning, The diagnostic methods, Components of oral examination and diagnosis Diagnosis and treatment planning

1

1

Daily, semester, and final exams = weekly evaluation in the clinic

Lectures + clinic

Clinical examination, Radio graphic examination

Preliminary medical and dental history

1

2

Daily, semester, and final exams = weekly evaluation in the clinic

Lectures + clinic

Child development, Major area of development, Variables influencing children's dental behaviors ,classification of children's behavior

Art and science of behavior management

1

3

Daily, semester, and final exams = weekly evaluation in the clinic

Lectures + clinic

, Purpose, Classifying children, s cooperative behavior

Non pharmacologic management of patient behavior

4

Daily, semester, and final exams = weekly evaluation in the clinic

Lectures + clinic

Degree of sedation, Indications for pharmacological behavior management technique, Pre- treatment documentation and assessment,

Pharmacologic management of patient behavior

1

5

Daily, semester, and final exams = weekly evaluation in the clinic

Lectures + clinic

Conscious sedation, Routes of drug administration, Enteral sedation ,Rectal route, Intra muscular route, Intravenous route, Inhalation, Drugs and agents used for sedation, General anesthesia

Sedation in pediatric dentistry

6

Daily, semester, and final exams = weekly evaluation in the clinic Lectures + clinic

management of traumatic injuries to the teeth and supporting tissues of children,

7

Daily, semester, and final exams = weekly evaluation in the clinic Lectures + clinic

classification of injuries to the anterior teeth of children classification methods of clinical examination

1

8

Daily, semester, and final exams = weekly evaluation in the clinic Lectures + clinic

Traumatic injuries of the primary teeth and its effect on permanent teeth

1

9

Daily, semester, and final exams = weekly evaluation in the clinic Lectures + clinic

Treatment of injury of permanent teeth, emergency treatment, temporary restoration 1 152 of fractured teeth

1

10

Daily, semester, and final exams = weekly evaluation in the clinic Lectures + clinic

Advances in Pediatric Dentistry: Advances in diagnostic aids, Advances in cavity preparation methods

1

11

Daily, semester, and final exams = weekly evaluation in the clinic Lectures + clinic

Advances in endodontics, Advances in local anesthesia

1

12

Daily, semester, and final exams = weekly evaluation in the clinic Lectures + clinic

Advances in restorative materials, Advances in surgical procedures, miscellaneous

1

13

Daily, semester, and final exams = weekly evaluation in the clinic Lectures + clinic

Acquired disturbances of oral structures

1

14

Daily, semester, and final exams = weekly evaluation in the clinic Lectures + clinic

Developmental disturbances of oral structures

1

Daily, semester, and final exams = weekly evaluation in the clinic Lectures + clinic

Gingivitis and periodontal disease in children

1

16

Daily, semester, and final exams = weekly evaluation in the clinic Lectures + clinic

Acute candidacies (thrush), acute bacterial infection, chronic nonspecific gingivitis, gingival diseases modified by systemic factors.

1

17

Daily, semester, and final exams = weekly evaluation in the clinic Lectures + clinic

Gingival lesions of genetic origin, ascorbic acid deficiency gingivitis.

1

18

Daily, semester, and final exams = weekly evaluation in the clinic Lectures + clinic

Periodontal diseases in children, early onset periodontitis, prepubertal periodontitis, localized juvenile periodontitis.

1

19

Daily, semester, and final exams = weekly evaluation in the clinic Lectures + clinic

Papillon - Lefevere syndrome, gingival recession, extrinsic stains and deposits on teeth

1

20

Daily, semester, and final exams = weekly evaluation in the clinic Lectures + clinic

Management of space problems, planning for space maintenance, loss of primary incisors

1

21

Daily, semester, and final exams = weekly evaluation in the clinic Lectures + clinic

Space Maintenance for the First and Second Primary Molar and the Primary Canine Area, premature loss of second primary molar

1

22

Daily, semester, and final exams = weekly evaluation in the clinic Lectures + clinic

Loss of the Second Primary Molar Before Eruption of the First Permanent Molar, Areas of Multiple Primary Molar Loss

23

Daily, semester, and final exams = weekly evaluation in the clinic

Lectures + clinic

deciduous phase, mixed dentition

Development of dental arch occlusion;

1

24

Daily, semester, and final exams = weekly evaluation in the clinic

Lectures + clinic

Nance analysis, Moyers mixed dentition analysis, Tanaka and Johnston analysis, Bolton analysis.

Arch length analysis;

1

25

Daily, semester, and final exams = weekly evaluation in the clinic

Lectures + clinic

first dental visit, Radiographic examination, Preventive dentistry, Management of a child with special care needs during dental treatment, immobilization,

Dental problems of the disabled child

1

26

Daily, semester, and final exams = weekly evaluation in the clinic Lectures + clinic

Mental disability, Down syndrome, Intellectual disability, Learning disability

1

27

Daily, semester, and final exams = weekly evaluation in the clinic Lectures + clinic

Fragile X syndrome, cerebral palsy, autism,

1

28

Daily, semester, and final exams = weekly evaluation in the clinic Lectures + clinic

Respiratory diseases, hearing loss, visual impairment,

1

29

Daily, semester, and final exams = weekly evaluation in the clinic Lectures + clinic

, epilepsy. Heart disease, hemophilia, ,sickle cell anemia, viral hepatitis, AIDS, children with systemic diseases

1

				طرق التقييم
				Learning and Teaching Resources 12
	1	The first theoretical exam	12	
1.	+-	ald and Avery's Dentistry for th	e Child and	Required textbooks (curricular books,
	3Adolesc	ente second theoretical exam	12	
	4	The second practical exam	8	if any)
	5Textbo	Fionfal P poliacitica Darmotisting o 3 edicaditi o am	60	Main references (source)
				Main references (source)
			Recommended books and references	
			(scientific journals, reports)	
	Using the Internet to learn everything new in the field of			.Electronic references, websites
	behavio	or management and		

1. Course Name:

Conservative

2. Course Code:

DNT405

3. Semester / Year:

2023-2024

4. Description Preparation Date:

28/4/2024

5. Available Attendance Forms:

Attendance and clinical practice

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

8:Units

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

Hanaa AbdulJabar Saleh

Othman Husham Abdul Hameed

8. Course Objectives

Course Objectives	Teach students the diagnosis and treatment planning for patient
	Give complete information about dental materials used in conservative dentistry.
	Give a n information about endodontic treatment.

9. Teaching and Learning Strategies

Strategy

Theoretical lectures inside the classroom.

- Student groups
- Clinic activities
- use of the Internet

Wee k	Hour s	ILOs	Unit/Module or Topic Title	Teachin g Metho d	Assessme nt Method
1	2	*Enamel Structure *Properties of Enamel 1. Hardness 2.Brittleness 3.Solubility to acids 4.Color 5.Permeability Clinical appearance and defects 1.Color changes associated with demineralization 2.Cavitation 3.Wear 4.Faults and fissures	Biological consideration of enamel structure and its clinical significance in practice of operative dentistry	Lectures	Daily, semester, and final exams = weekly evaluation in the clinic

		5.Cracks			
2	2	*Functions Dentin can be distinguished from enamel (during tooth preparation), by: 1.Color: 2.Reflectance: 3.Hardness: 4.Sound: There are two main types of dentin which are: 1.Intertubular dentin: 2.Peritubular dentin: Permeability of Dentin Sensitivity of Dentin Dentinoenamel junction: Theories of thermal sensitivity 1.Theory of thermal shock: 2.A hydrodynamic theory: Physiologic and Tertiary Dentin Physiologic dentin Carious dentin Sclerotic dentin Reparative dentin (tertiary dentin)	Biological consideration of dentine structure and its clinical significance in practice of operative dentistry	Lectures	Daily, semester, and final exams = weekly evaluation in the clinic
3	2	Infection Control Patient Assessment Medical History Chief Complaint Dental History Clinical Examination 1.EVALUATION OF THE DENTITION A.Assessment of caries risk and plaque: B.Detection of caries lesions: C.Assessment of the pulp: 1. The application of cold and hot 2. Electric pulp tester 3. A test cavity: Percussion test: Palpation:	Patient evaluation,diagnosi s and treatment planning	Lectures	Daily, semester, and final exams = weekly evaluation in the clinic

		D.Evaluation of existing restorations 1.Structural integrity:			
		2.Marginal opening: 3.Caries: 4.Restoration-related periodontal health: 5.Occlusal and			
		interproximal contacts: 6.Esthetics: E.Evaluation of Occlusion and Occlusal Wear			
		Attrition: Evaluation of tooth integrity and fractures			
		F.Esthetic Evaluation 1.EVALUATION OF THE PERIODONTIUM			
		2.EVALUATION OF RADIOGRAPH			
		3.EVALUATION OF DIAGNOSTIC CASTS Treatment Plan Treatment Sequence			
4	2	1-Host Factors A-Teeth Morphology of teeth: Composition of teeth: B-Saliva: C-Subject: D-Social & demographic factors: F-Fluoride: 2-Dental plaque: 3- Diet:	Caries management (diagnosis and treatment strategies)	Lectures	Daily, semester, and final exams = weekly evaluation in the clinic
		CLASSIFICATION OF DENTAL CARIES In addition, caries could be classified according to the type and severity of the lesion into: 1 PROGRESSION OF CARIES CLINICAL CHARACTERISTIC			

		OF ENAMEL CARIES			
		CLINICAL CHARACTERISTIC			
		OF DENTINAL CARIES			
		CARIES DETECTION AND			
		DIAGNOSIS Visual examination			
		Visual examination *			
		New Caries Detection			
		Devices			
		50			
		1.Electronic caries monitors			
		2.Direct digital radiographs			
		3.Intra-Oral camera for			
		caries detection and for			
		patient motivation.			
		4.Magnification using			
		Loupes, and Dental			
		Microscope.			
		5.Infrared Laser			
		Fluorescence			
		(DIAGNOdent)			
		6.Fiber-optic			
		transillumination			
		7.Caries detector dyes			
		Caries Prevention and			
		Carles Prevention and Treatment			
		Heaunem			
		New Technologies for			
		Caries Removal and Cavity			
		Preparation			
		(Minimal Invasive			
		Dentistry)			
		1. Air abrasion:			
		2. Chemo mechanical			
		method:			
		3. Laser devices:			
		4. Smart bur (Smartprep)			
		(Sinarcprep)			
		5. Ozone treatment			
5	2	*Caries Lesions	Cervical lesions	Lectures	Daily, semester, and
		* Diagnosis	(carious and		final exams = weekly
		* Restorative Treatment	noncarious)		evaluation in the
		* Noncarious Cervical			clinic
		Lesions NCCL(s)			
		Etiology * Toothbrush abrasion			
		יי וטטנווטו עטון מטו מטוטוו			

		* Erosion			
6	2	A-Effect of Local Anesthetic on the Pulp B-Effect during cavity and crown preparation (cutting procedures) 1-Thermal injury (frictional heat) Basic factors in rotary instrumentation that cause temperature rise in the pulp: 2-Transection of the odontoblastic processes 3-Dehydration 4-Remaining dentin thickness (RDT) 5-Pulpal exposure 6-Pin insertion C-Effect of lining materials and procedure D-Effect of filling materials and procedure Composite resins: Acid etching: Dental amalgam:	Restorative dentistry and pulpal health	Lectures	Daily, semester, and final exams = weekly evaluation in the clinic
7	2	E-Accumulative effect: Heat of polishing: I-Protective Base:	Management of	Lacturas	Daily semester and
,	2	I-Protective Base: II- Indirect Pulp Capping Material used for IPC Procedure (1PC): III- Direct Pulp Capping Indications Requirements for a successful vital pulp therapy A major disadvantage of calcium hydroxide materials Technique Recall Prognosis IV- Partial pulpotomy Indications	Management of deep seated caries	Lectures	Daily, semester, and final exams = weekly evaluation in the clinic

		Technique Recall Prognosis V- Full pulpotomy Indications Technique			
8	2	*Dead Tracts *Sclerotic Dentin *Reparative Dentin (Tertiary *Reactionary D.) *Infected Dentin *Affected Dentin *Affected Dentin *Inflammation of the pulp. Reversible Pulpitis 1-Healthy Pulp 2- Hyperemia 3- Acute Pulpitis (without Necrosis) 5- Chronic Partial Pulpitis (with Partial Necrosis 6- Chronic Total Pulpitis with Partial Necrosis 7- Total Necrosis of the Pulp 8- Acute Pulpitis Superimposed on Chronic Pulpitis	Inflammatory conditions of pulp	Lectures	Daily, semester, and final exams = weekly evaluation in the clinic
9	2	CARIOUS DENTIN DIFFERENTIATION EXCAVATION LEVEL ONE- OR TWO-STEP PROCESS INDICATIONS FOR A LINER	Treatment of deep seated caries simplified anatomical modeling	Lectures	Daily, semester, and final exams = weekly evaluation in the clinic
10	2	*Flouride Varnishes *Glass Ionomors	Fluoride releasing materials	Lectures	Daily, semester, and final exams = weekly

		*Advantages *Disadvantages *Resin-modified glass- ionomer cement *Resin composites *Compomers (Polyacid- modified resin composites) *Giomers			evaluation in the clinic
11	2	COMPOSITION OF DENTAL COMPOSITES 1. Organic Matrix 2. Fillers 3. Coupling Agents: 4. Initiator Agents: 5. Inhibitors: 6. Coloring Agents: 7. Ultraviolet Absorbers: TYPES OF COMPOSITES 1. Macrofilled Composites Resins 3. Hybrid Composite Resins 4. Microhybrid, Nanohybrid, and Nanofill Microhybrid composites have evolved from traditional hybrid composites. Filler Flowable Composite Resin Condensable (Packable) Composites PROPERTIES OF COMPOSITE Coefficient of Thermal Expansion Wear resistance Polymerization Shrinkage Configuration or C-factor Microleakage TOOTH PREPARATION GENERAL CONCEPTS FOR TOOTH PREPARATION FOR COMPOSITE RESTORATIONS: Designs of Tooth Preparation for Composites 1. Conventional	Direct tooth coloured restorations(compo site)	Lectures	Daily, semester, and final exams = weekly evaluation in the clinic

		preparation 2. Beveled conventional tooth preparation 3. Modified (conservative tooth preparation) COMPOSITE PLACEMENT Incremental Layering Technique Bulk Technique Final Contouring, Finishing and Polishing of Composite Restorations			
12	2	Definition Carbon dioxide Laser Neodymium Yttrium Aluminum Garnet Laser Erbium Laser Diode Laser Excimer lasers Mechanism of Laser Action Applications of laser in conservative dentistry 1. Aesthetic gingival recontouring and crown lengthening 2. Photochemical effects 3.Cavity preparation, caries, and restorative removal 4.Etching 5.Treatment of dentinal hypersensitivity 6.Diagostic application 7.Dental Infections 8.Analgesia 9.Nausea and Gagging	Dental laser and its applications in conservative dentistry	Lectures	Daily, semester, and final exams = weekly evaluation in the clinic

		10.Endodontics			
		Laser safety			
13	2	*Components of CAD/CAM dental technology * Advantages of CAD/CAM *Disadvantages of CAD/CAM *Setps of CAD/CAM 1.Computer surface digitization 2. Computer-aided designing (CAD) 3.Computer-aided manufacturing (CAM) a. Subtractive technique from a Solid Block: b. Additive technique (by applying Material on Die)	CAD/CAM techniques	Lectures	Daily, semester, and final exams = weekly evaluation in the clinic
14	2	-Introduction and Scope of Endodontics. - OBJECTIVE OF ENDODONTIC TREATMENT - INDICATIONS FOR ROOT CANAL TREATMENT - CONTRAINDICATIONS FOR ROOT CANAL TREATMENT - ANATOMY OF DENTAL PULP - ROOT CANAL CONFIGURATION - BASIC PHASES OF TREATMENT	-Introduction and Scope of Endodontics -PULP AND PERI- RADICULAR PATHOLOGY	Lectures	Daily, semester, and final exams = weekly evaluation in the clinic
15	2	-Objectives of Access Opening - Shape of access openings for each anterior tooth	-Access Opening preparation Rubber Dam-	Lectures	Daily, semester, and final exams = weekly evaluation in the clinic
		- Access opening of each			

		posterior tooth			
		- Minimal invasive endodontics			
		- Guidelines for access cavity preparation			
		- Procedure of Access opening for Anterior and posterior Teeth			
		- Errors in Access Opening			
		- Rubber Dam Materials			
		- Rubber Dam Frame			
		- Rubber Dam Clamps			
		- Rubber Dam Puncture			
		- Clamp Holder			
		- Methods of Applying the Rubber Dam			
		- General Instruments			
		- Intracanal Instruments			Daily, semester, and
16	2	- Standardization of Intracanal Instruments	Endodontic Instruments	Lectures	final exams = weekly evaluation in the clinic
		- Modes of action of Intracanal Instruments			
17	2	- Advantages	Nickel – Titanium	Lectures	Daily, semester, and
		- Disadvantages	endodontic Instrument		final exams = weekly evaluation in the clinic
		- Rotary instruments			
		- Engine – driven files			
		- ProTapers			
		- Path Files			
		- Pathfinde			

		-Ultrasonic Handpieces - Sonic handpieces			
18	2	- Applications of radiographs - Working Length determination of teeth - Objective of the working length - Consequences of overextended working length - Consequences of working short of actual working - RADIOGRAPHIC METHOD OF WORKING LENGTH DETERMINATION - ELECTRONIC APEX LOCATORS	Radiography in Endodontics	Lectures	Daily, semester, and final exams = weekly evaluation in the clinic
19	2	- The Mechanical objectives - The Biological objectives - Aids in Preparation of Root Canal - Manual or Hand Instrumentation Techniques 1-Standardized Technique 2-Step-Back Technique 3-Step-Down Technique 4-Balanced Force Technique 5-Crown-Down (Pressure-	Shaping and Cleaning of Root Canal	Lectures	Daily, semester, and final exams = weekly evaluation in the clinic

		Less) Technique			
20	2	-Requirements of ideal irrigant solution - Functions of Irrigants Irrigant solutions - Normal saline - Sodium hypochlorite - Chelating agent - Chlorhexidine - Methods of irrigation -irrigants interaction	Root Canal Irrigation	Lectures	Daily, semester, and final exams = weekly evaluation in the clinic
21	2	- Aims of root canal obturation - Timing of obturation - Features of an ideal root canal obturation - Characteristics of an ideal root filling material - Materials used for obturation 1. Gutta percha Forms of Gutta percha Properties of gutta percha: 2. Silver points 3. Root canal sealers	part I-Obturation of root canal system	Lectures	Daily, semester, and final exams = weekly evaluation in the clinic
22	2	- Armamentarium for	part I I-Obturation of root canal	Lectures	Daily, semester, and final exams = weekly

		obturation			
		-obturation techniques			
		- Lateral compaction technique			
		- Warm Lateral Compaction			
		- Vertical compaction technique	system		evaluation in the clinic
		- Continuous Wave Compaction Technique			Cirric
		- Thermoplastic Injection Techniques			
		- Single Match Gutta- Percha Cone Method			
		- indications of dental veneers			
		- Unfavourable conditions of dental veneers			
		- General Concepts			
		- Preparation Designs			
23	2	-posterior indirect restorations	Indirect restoration, types and	Lectures	Daily, semester, and final exams = weekly evaluation in the
		- Evaluation of Remaining Thickness and Adhesive Build-Up	preparation		clinic
		- Occlusal tissue reduction depends on four points			
		- Preparation Principles for Indirect Restoration			
24	2	- Introduction CAD/CAM Ceramics	Indirect restoration, materials and techniques	Lectures	Daily, semester, and final exams = weekly evaluation in the
		Classifications	teciniques		clinic

	1. Glass-Ceramic system		
	A-Feldspathic porcelain		
	B-Leucite-reinforced		
	2. Alumina-Based System		
	3. Zirconia-Based System		

11.Course Evaluation

1	The first theoretical exam	12
2	The first practical exam	8
3	The second theoretical exam	12
4	The second practical exam	
5	Final practical and theoretical exam	60

12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Summitts fundamentals of operative
	dentistry: a contemporary approach.4 th
	edition.
	Path way of the pulp
Main references (source)	Dental composite materials for direct
	restorations. Vesna Miletic Springer,ebook,2018
Recommended books and references (scientific	Sturdivant's Art and Science of operative
journals, reports)	dentistry 7th edition 2018
Electronic references, websites.	Using the Internet for the purpose of learning
	everything new in the field of dental materials.

1. Course Name:

General physiology

2. Course Code:

DNT207

3. Semester / Year:

2023-2024

4. Description Preparation Date:

19/4/2024

5. Available Attendance Forms:

Attendance and clinical practice

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

60/30/5

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

8. Course Objectives

Course Objectives

9. Teaching and Learning Strategies

Strategy

Week	Hour s	ILOs	Unit/Module or Topic Title	Teachin g Method	Assessme nt Method
1	2	physiology	Cell physiology	Theoretical lecture using the program power point	Short, quarterly, half- year and final exams
2	2	physiology	Nerve and muscle Microanatomy of nerves	Theoretical lecture using the program power point	Short, quarterly, half- year and final exams
3	2	physiology	Nerves(types of nerves)	Theoretical lecture using the program power point	Short, quarterly, half- year and final exams
4	2	physiology	Nerve (Types of muscles)	Theoretical lecture using the program power point	Short, quarterly, half- year and final exams
5	2	physiology	Nervous System	Theoretical lecture using the program power point	Short, quarterly, half- year and final exams
6	2	physiology	Nervous System	Theoretical lecture using the program power point	Short, quarterly, half- year and final exams
7		physiology	Nervous System	Theoretical lecture using the program power point	Short, quarterly, half- year and final exams

		5 111 1 11		
8	physiology	Red blood cells	Theoretical lecture using the program power point	Short, quarterly, half- year and final exams
9	physiology	Blood groups	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
10	physiology	Blood coagulation	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
11	physiology	Cardiovascular system	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
12	physiology	Cardiovascular system	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
13	physiology	Cardiovascular system	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
14	physiology	Cardiovascular system	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
15	physiology	RESPIRATIORY SYSTEM	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
16	physiology	RESPIRATIORY SYSTEM	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
17	physiology	RESPIRATIORY SYSTEM	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
18	physiology	RESPIRATIORY SYSTEM	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
19	physiology	RENAL SYSTEM AND BODY FLUIDS	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
20	physiology	RENAL SYSTEM AND BODY FLUIDS	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
21	physiology	RENAL SYSTEM AND BODY FLUIDS	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
22	physiology	ENDOCRINE SYSTEM	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
23	physiology	ENDOCRINE SYSTEM	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
24	physiology	ENDOCRINE SYSTEM	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
25	physiology	SPECIAL SENSATION: Vision &Hearing	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
26	physiology	SPECIAL SENSATION: Vision &Hearing	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
27	physiology	ORAL CAVITY	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams

28	physiology	GASTROINTESTION A L TRACT	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
29	physiology	GASTROINTESTION A L TRACT	Theoretical lecture using the program power point	Short, quarterly, half-year and final exams
30	physiology		Theoretical lecture using the program power point	Short, quarterly, half-year and final exams

11.Course Evaluation

12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Medical Physiology 4 th edition Essentials of physiology for dental student
Main references (source)	
Recommended books and references (scientific journa reports)	ls,
Electronic references, websites.	internet site

- 1. Course Name: oral medicine.
- 2. Course Code: DNT502
- 3. Semester / Year: 2 semesters/fifth stage.

2023-2024

4. Description Preparation Date:

25/4/2024

5. Available Attendance Forms:

weekly

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

30 hr theory/120 hr practical.

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

.Assist.lec.Raida.N.Hamid email: den.rnh.tiba@uoanbar.edu.iq

:<u>Den.shima.h@uoanbar.edu.iq</u> assist.lec.Shasima.H.Mudher. email

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<u>den.widad.jabber@uoanbar.edu.iq</u>. Email: assist.lec.Widad Hamid

Shakir.M.Ali. email: den.shakir.mahmod@uoanbar.edu.iq

8. Course Objectives

Course Objectives

-Graduating dentists capable of examining and diagnosing patients,

especially with regard to non-dental diseases.

- Study of ulcers, pigmentation, and diseases that affect inside and around the mouth.
- Study modern examination and diagnosis methods.

9. Teaching and Learning Strategies

Strategy

-Knowledge and understanding.

-How to use modern methods of diagnosis.

Week	Hour s	ILOs	Unit/Mod ule or Topic Title	Teachin g Method	Assessme nt Method
1	1	Examination and diagnosis	The principles of oral diagnosis Clinical examinations 2 2	Lecture{power (point	Exam & seminar
2	1	Examination and diagnosis	The principles of oral diagnosis Clinical examinations 2 2	Lecture{power (point	Exam & seminar
3	1	Examination and diagnosis	Laboratory investigations in dentistry	Lecture{power (point	Exam & seminar
4	1	Examination and diagnosis	Laboratory investigations in dentistry	Lecture{power (point	Exam & seminar
5	1	Examination and diagnosis	orofacial pain	Lecture{power (point	Exam & seminar
6	1	1 Examination and diagnosis orofacial pain		Lecture{power (point	Exam & seminar
7	1 Examination and diagnosis		T.M.J	Lecture{power (point	Exam & seminar
8	1	Examination and diagnosis	T.M.J	Lecture{power (point	Exam & seminar
9	1	Examination and diagnosis	Oral ulceration and Vesiculo-bullus lesions	Lecture{power (point	Exam & seminar
10	1	Examination and diagnosis	Oral ulceration and Vesiculo-bullus lesions	Lecture{power (point	Exam & seminar
11	1	Examination and diagnosis	Oral ulceration and Vesiculo-bullus lesions	Lecture{power (point	Exam & seminar
12	1	Examination and diagnosis	White & red lesions	Lecture{power (point	Exam & seminar
13	1	Examination and diagnosis	White & red lesions	Lecture{power (point	Exam & seminar
14	1	Examination and diagnosis	Early detection of oral cancer	Lecture{power (point	Exam & seminar
15	1	Examination and diagnosis	Early detection of oral cancer	Lecture{power (point	Exam & seminar
16	1	Examination and diagnosis	Pigmented oral lesions	Lecture{power (point	Exam & seminar
17	1	Examination and diagnosis	Pigmented oral lesions	Lecture{power (point	Exam & seminar

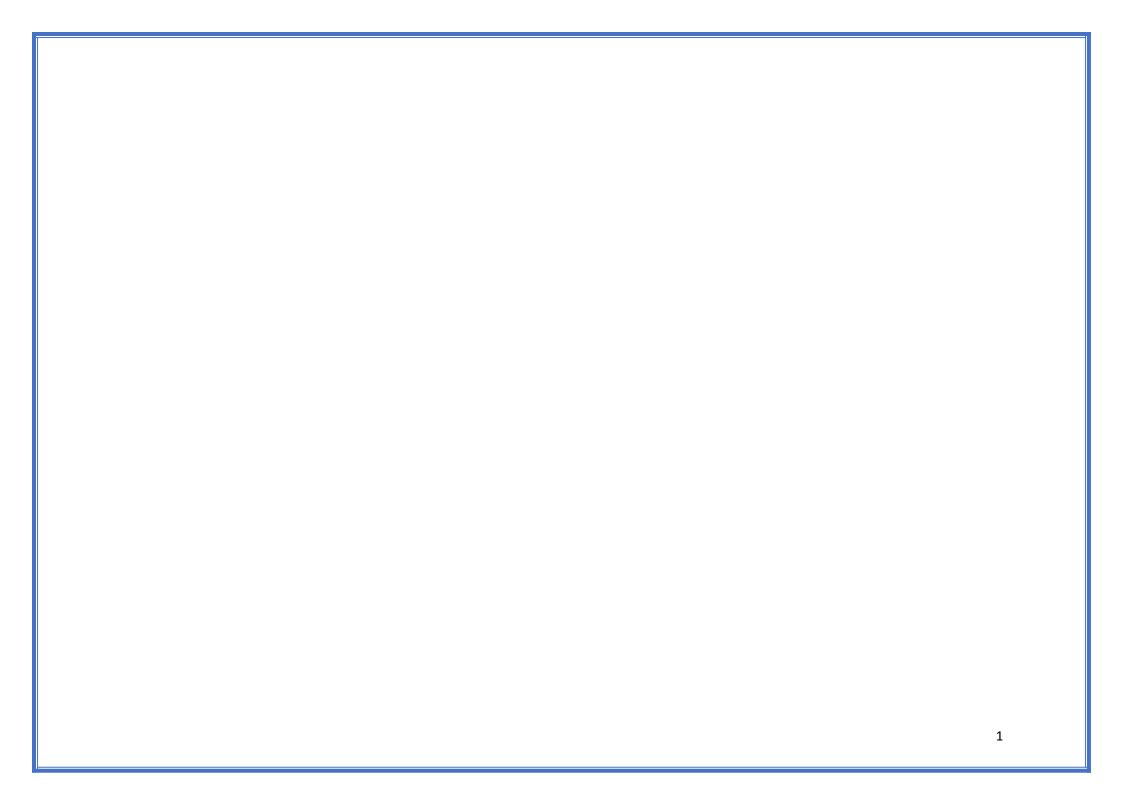
18	1	Examination and diagnosis	Benign, Premalignant and malignant lesions of the oral cavity	Lecture{power (point	Exam & seminar
19	1	Examination and diagnosis	Benign, Premalignant and malignant lesions of the oral cavity	Lecture{power (point	Exam & seminar
20	1	Examination and diagnosis	Benign, Premalignant and malignant lesions of the oral cavity	Lecture{power (point	Exam & seminar
21	1	Examination and diagnosis	Neuromuscular disorder	Lecture{power (point	Exam & seminar
22	1	Examination and diagnosis	Neuromuscular disorder	Lecture{power (point	Exam & seminar
23	1	Examination and diagnosis	Salivary gland diseases	Lecture{power (point	Exam & seminar
24	1	Examination and diagnosis	Salivary gland diseases	Lecture{power (point	Exam & seminar
25	1	Examination and diagnosis	Autoimmune diseases	Lecture{power (point	Exam & seminar
26	1	Examination and diagnosis	Autoimmune diseases	Lecture{power (point	Exam & seminar
27	1	Examination and diagnosis	Autoimmune diseases	Lecture{power (point	Exam & seminar
28	1	Examination and diagnosis	Oral manifestation of allergic reaction	Lecture{power (point	Exam & seminar
29	1	Examination and diagnosis	Oral manifestation of allergic reaction	Lecture{power (point	Exam & seminar
30			.Exam		Exam & seminar
31					

11. Course Evaluation

Distributing the score out if 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports,...etc.

12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Burket's Oral Medicine 13th Edition 2021
Main references (source)	- TEXTBOOK OF ORAL MEDICINE, 2nd edition, 2010

Recommended books and reference reports)	s (scientific jour	nals,		
Electronic references, websites.				



وصف المقرر

					مقرر	1. اسم ال
					ż	امراض اللثة
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				الخامسة	سيين/ المرحلة	فصلین درا
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		رفة امراض اللثة وطرق معالجتها	ھ •		دة الدراسية	اهداف الما
				والتعلم	جيات التعليم	9. استراتب
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		خل الجراحي لعلاج امراض اللثة.				
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					المقرر	1. بنية
طريقة التقييم	طريقة التعلم	اسم الوحدة او الموضوع	جات التعلم مطلوبة		الساعات	الاسبوع
امتحان+سمنار	محاضرة بور	مكونات انسجة اللثة وما	يص والعلاج يص والعلاج		1	1

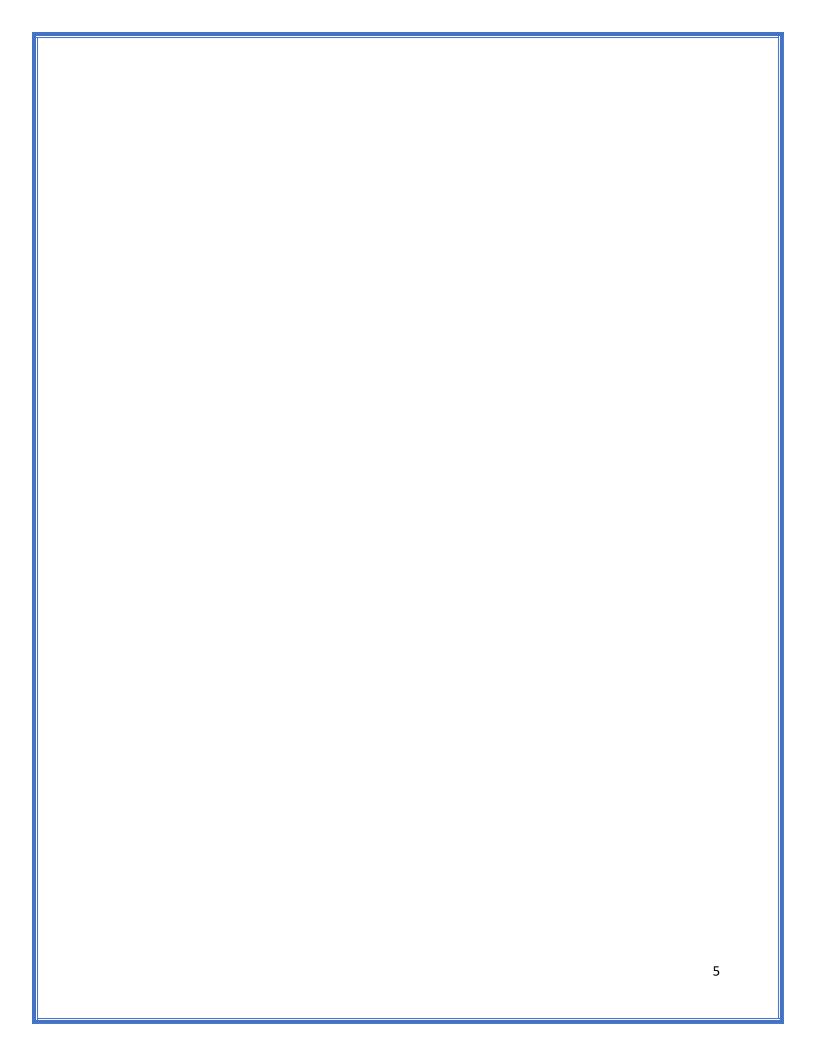
	بوينت	حولها			
امتحان+سمنار	محاضرة بور بوينت	مقدمة الى امراض اللثة وما حول الاسنان	التشخيص والعلاج	1	2
امتحان+سمنار	محاضرة بور بوينت	السيطرة على نمو الجراثيم	التشخيص والعلاج	1	3
امتحان+سمنار	محاضرة بور بوينت	علاجات اللثة المتقدمة	التشخيص والعلاج	1	4
امتحان+سمنار	محاضرة بور بوينت	جيوب اللثة ومالتهابات ماحول الاسنان	التشخيص والعلاج	1	5
امتحان+سمنار	محاضرة بور بوينت	التطور المرضي لالتهابات ماحول الاسنان	التشخيص والعلاج	1	6
امتحان+سمنار	محاضرة بور بوينت	حركة الاسنان	التشخيص والعلاج	1	7
امتحان+سمنار	محاضرة بور بوينت	اصابات مكانات التمفصل في الاسنان الخلفية	التشخيص والعلاج	1	8
امتحان+سمنار	محاضرة بور بوينت	معلجة اصابات التمفصل	التشخيص والعلاج	1	9
امتحان+سمنار	محاضرة بور بوينت	علم الاوبئة امراض اللثة	التشخيص والعلاج	1	10
امتحان+سمنار	محاضرة بور بوينت	سمنارات	التشخيص والعلاج	1	11
امتحان+سمنار	محاضرة بور بوينت	سمنارات	التشخيص والعلاج	1	12
امتحان+سمنار	محاضرة بور بوينت	سمنارات	التشخيص والعلاج	1	13
امتحان+سمنار	محاضرة بور بوينت	سمنارات	التشخيص والعلاج	1	14
امتحان+سمنار	محاضرة بور بوينت	امتحان +سمنار	التشخيص والعلاج	1	15
امتحان+سمنار	محاضرة بور بوينت	العلاقة بين التهابات اللثة مع باقي تخصصات الفم	التشخيص والعلاج	1	16
امتحان+سمنار	محاضرة بور بوينت	جراحة اللثة	التشخيص والعلاج	1	17
امتحان+سمنار	محاضرة بور بوينت	طريقة العالم ودمان الاصلية في الجراحة	التشخيص والعلاج	1	18
امتحان+سمنار	محاضرة بور بوينت	الالتصاق النسيجي ودليل اعادة التكون في الانسجة	التشخيص والعلاج	1	19
امتحان+سمنار	محاضرة بور بوينت	مراحل التأم الجروح	التشخيص والعلاج	1	20

امتحان+سمنار	محاضرة بور بوينت	زراعة الاسنان	التشخيص والعلاج	1	21
امتحان+سمنار	محاضرة بور بوينت	السائل اللثوي	التشخيص والعلاج	1	22
امتحان+سمنار	محاضرة بور بوينت	تحسس انسجة العاج	التشخيص والعلاج	1	23
امتحان+سمنار	محاضرة بور بوينت	الاطباق	التشخيص والعلاج	1	24
امتحان+سمنار	محاضرة بور بوينت	استخدام الليزر في علاجات اللثة	التشخيص والعلاج	1	25
امتحان+سمنار	محاضرة بور بوينت	سمنارات	التشخيص والعلاج	1	26
امتحان+سمنار	محاضرة بور بوينت	سمنارات	التشخيص والعلاج	1	27
امتحان+سمنار	محاضرة بور بوينت	سمنارات	التشخيص والعلاج	1	28
امتحان+سمنار	محاضرة بور بوينت	سمنارات	التشخيص والعلاج	1	29
امتحان+سمنار	محاضرة بور بوينت	امتحان +سمنار	التشخيص والعلاج	1	30

11. تقييم المقرر

توزيع الدرجة من 100 على وفق المهام المكلف بها الطالب مثل التحضير اليومي والامتحانات اليومية والشفوية والشهرية والتحريرية والتقارير... الخ

أ. مصادر التعلم والتدريس الكتب المقررة المطلوبة (المنهجية ان وجدت) المراجع الرئيسية (المصادر) الكتب والمراجع الساندة التي يوصى بها (المجلات العلمية، التقارير...) المراجع الالكترونية، مواقع الانترنت



1. Course Name:

Conservative dentistry

2. Course Code:

DNT305

3. Semester / Year:

2023-2024

4. Description Preparation Date:

26/4/2024

5. Available Attendance Forms:

Attendance lecture weekly and preclinical laboratory practice

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

180 hours total 60h: Theory -120h preclinical laboratory practice 8:Units

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

Assist. lect. Yahya Adel Abd

den.yahya.dental @uoanbar.edu.iq

8. Course Objectives

Course Objectives

Enabling students to obtain knowledge and understanding of the work of fillings and fixed prosthodontics. The student learns the basics of this work. Enabling students to obtain knowledge and how to deal with the patient without causing any harm to the patient. Enabling students to obtain knowledge and understanding of each subject and what is the best method of work through comprehensive knowledge that help place amalgam and esthetic composite filling and crown and fixed bridges without fracture or dislodge outside mouth

9. Teaching and Learning Strategies

Strategy

Theoretical lectures inside the classroom.

- Student groups
- preclinical phantom lab activities
- E-learning on campus (use of the Internet)

1. Course structure

	week	hours ⁽	Theoretical contents	Module or Topic	Teaching Method	Assessmen t Method
	1	1	Definitions: -Introduction to Fixed ProsthodonticsTypes of crownsPurposes of crown constructionSteps in crown constructionComponents of bridge.	Conservative dentistry operative and fixed) (prosthodontics	Theory lecture using power point	Weekly , semester, and final exams = weekly evaluation in the lab preclinical
		1	Definition of operative : dentistry a-Aim of operative dentistry b- General terminology			work on manikin teeth
		1	Definitions (continued):	Conservative dentistry operative and fixed) (prosthodontics	Theory lecture using power point	Weekly , semester, and final exams =
	2	-	Principles of cavity :preparations a- Steps of cavity preparation b- Types of caries	(prostrioudifics		weekly evaluation in the lab preclinical work on manikin teeth
		1	Definitions (continued):	Conservative dentistry operative and fixed)	Theory lecture using power point	Weekly , semester, and final
	3	1	Hand and rotary instruments and general instrumentation of cavity preparation	(prosthodontics		exams = weekly evaluation in the lab preclinical work on manikin teeth
	4	1	Biomechanical principles of tooth preparation:*Preser vation of sound tooth *Retention and *resistance form.	Conservative dentistry operative and fixed) (prosthodontics	Theory lecture using power point	Weekly , semester, and final exams = weekly evaluation in the lab
		1	*Structural durability.	2 ————		preclinical work on manikin
		1	Sterilization of operative			teeth

operative

. Learning and Teaching Resources			
	Fundamental Consideration in Fixed		
Required textbooks (curricular books, if any)	Prosthodontics Restorative Dentistry,		
	Fundamental in Operative Dentistry.		
Main references (source)	Contemporary fixed prosthodontics, Art &		
Main references (source)	Science of operative dentistry,		
Recommended books and references (scientific	Monthly scientific journals, in addition to reports		
journals, reports)	that work periodically to improve the properties		
Journals, reports)	of materials		
Electronic references, websites.	Using the Internet for the purpose of learning		
	everything new in the field of dental materials.		

1. Course Name:

Dental anatomy

2. Course Code:

DN105

3. Semester / Year:

2023-2024

4. Description Preparation Date:

26/4/2024

5. Available Attendance Forms:

Attendance and laboratory practice

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

60h theory -30 practical

Units: 6

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

Assistant lectuerer Sohaib Fadhil Mohammed sohaibfadhil85@uoanbar.edu.iq Assistant lectuerer Sura Yaseen Khudhur sura.yaseen@uoanbar.edu.iq

8. Course Objectives

Course Objectives

- -Give a full information for students about dental anatomy of each tooth (permanent and deciduous) from its developments to its emergence and description of it anatomical landmarks with simple information about surrounding tissues.
- make the students imagine the proper tooth form when dealing with a patient s in the future.
- give the students a proper hand skills through laboratory work.

9. Teaching and Learning Strategies

Strategy

- -Theoretical lectures inside class room.
- data show
- -lectures with question and answers
- -using keynote program from presention.
- -quizz
- working in laboratory
- agitation of students minds though their thought about special dental works related to dental anatomy.

Week	Hours	Required Learning	Unit or subject name	Learning method	Evaluation method
		Outcomes			
1	4	-Crown and roots - surfaces and ridg - division of the crown into thirds		Lectures +laboratory	Daily, semester, and final exams = weekly evaluation in the laboratory
2	4	-Universal notation system - Palmer notation system - FDI notation sys	n Numbering Systems tem	Lectures +laboratory	Daily, semester, and final exams = weekly evaluation in the laboratory
3	4		Anatomical Landmarks	Lectures +laboratory	Daily, semester, and final exams = weekly evaluation in the laboratory
4	4	- Characteristic features of incisors crown -Principles identifying features of permanent maxillary central incisor -labial aspect -lingual aspect -mesial aspect -distal aspect -incisal aspect -incisal aspect	Permanent Maxillary Central Incisor	Lectures +laboratory	Daily, semester, and final exams = weekly evaluation in the laboratory
5	4	-Principles identifying features of permanent maxillary lateral incisor -labial aspect -lingual aspect -mesial aspect -distal aspect -incisal aspect - Variations from the typical form (Anomalies)	Permanent Maxillary Lat Incisor	eral Lectures +laboratory	Daily, semester, and final exams = weekly evaluation in the laboratory

6	4	-Characteristic features of perman mandibular incisors -Principles identifying features of permanent mandibular central incisors -labial aspect -lingual aspect -mesial aspect -distal aspect -incisal aspect -incisal aspect		Lectures +laboratory	Daily, semester, and final exams = weekly evaluation in the laboratory
7	4	-Principles identifying features of permanent mandibular lateral incisors -labial aspect -lingual aspect -mesial aspect -distal aspect -incisal aspect	Permanent Mandibular Incisors	Lectures +laboratory	Daily, semester, and final exams = weekly evaluation in the laboratory
8	4	-Principle identify features of the permanent maxillar canine -labial aspect -lingual aspect -mesial aspect -distal aspect -incisal aspect	ngermanent Canines	Lectures +laboratory	Daily, semester, and final exams = weekly evaluation in the laboratory
9	4	-Principle identify features of the permanent mandibular canine: labial aspect -lingual aspect -mesial aspect -distal aspect -incisal aspect	ngermanent Canines	Lectures +laboratory	Daily, semester, and final exams = weekly evaluation in the laboratory
10	4	- Some characterifeatures of posterior teeth -Principle identify features of maxillar 1st premolar -buccal aspect -lingual aspect -mesial aspect -distal aspect -occlusal aspect		Lectures +laboratory	Daily, semester, and final exams = weekly evaluation in the laboratory

11	4	-Principle identifyil features of maxillary 2 nd premolar -buccal aspect -lingual aspect -mesial aspect -distal aspect -occlusal aspect	Rg rmanent Maxillary Premolars	Lectures +laboratory	Daily, semester, and final exams = weekly evaluation in the laboratory
12	4	features of permaned mandibular fir premolar the resemble those of the mandibular canine -Characteristic features of permanent mandibular first premolar that resemble those of the mandibular second premolar -Principle identifying features	rst hat the	rst Lectures +laboratory	Daily, semester, and final exams = weekly evaluation in the laboratory
13	4	features	Rgrmanent Mandibular Sæfcond Premolar 2	Lectures +laboratory	Daily, semester, and final exams = weekly evaluation in the laboratory
14	4	-Principle identifyil features of maxillary 1st molar -buccal aspect -lingual aspect -mesial aspect -distal aspect -occlusal aspect	Rgrmanent Maxillary First Molar	Lectures +laboratory	Daily, semester, and final exams = weekly evaluation in the laboratory
15	4		Rgrmanent maxillary seconand third molars	ond Lectures +laboratory	Daily, semester, and final exams = weekly evaluation in the

	-mesial aspect		laboratory
	-distal aspect -occlusal aspect		
	-Principle identifying		
	features of maxillary		
	3 rd molar		
16 4	-Principle identifyiRgrmanent Mandibular First	Lectures	Daily, semester
	features Molar mandibular 1st molar	+laboratory	and final exams
	-buccal aspect		= weekly
	-lingual aspect		evaluation in th
	-mesial aspect		laboratory
	-distal aspect -occlusal aspect		
	declasar aspect		
17 4	-Principle identifyingrmanent Mandibular	Lectures	Daily, semester
	features Second and third Molars mandibular 2 nd molar	+laboratory	and final exams
	-buccal aspect		= weekly
	-lingual aspect		evaluation in the
	-mesial aspect		laboratory
	-distal aspect		
	-occlusal aspect -Principle identifying		
	features of		
	mandibular 3 rd molar		
18 4	- Sequential order of Tooth Development deciduous teeth	Lectures	Daily, semester
	according to eruption	+laboratory	and final exam
	times		= weekly
	-Deciduous teeth		evaluation in the
	-The importance of		laboratory
	the deciduous teeth -Maxillary deciduous		
	teeth		
	-Mandibular		
	deciduous teeth		
	-Principal differences between deciduous		
	and permanent teeth		
19 4	-Pulp cavities of the Pulp Cavities	Lectures	Daily, semester
	maxillary teeth	+laboratory	and final exam
	-Pulp cavities of the mandibular teeth	•	= weekly
	mandibular teeth		evaluation in the
			laboratory
20 4	-Occlusion in Occlusion and	Lectures	Daily, semester
	deciduous dentition physiologic form of -Occlusion in teeth and periodontium	+laboratory	and final exam
	permanent teeth and periodontrain		= weekly
	dentition		evaluation in the
			laboratory
11 (
11. Course Eva	aluation		

2	The first practical exam	8
3	The second theoretical exam	12
4	The second practical exam	8
5	Final practical and theoretical exam	60

12. Learning and Teaching Resources		
Required textbooks (curricular books, any)	if Wheeler's (dental anatomy, physiology, and occlusion)	
Main references (source)	dental anatomy and occlusion	
Recommended books and references (scientific journals, reports)	Monthly scientific journals, in addition to reports that work periodically to impro the properties of materials	
Electronic references, websites.	The Internet is great world for the purpo of learning everything new in the field dental anatomy.	