Ministry of Higher Education and Scientific Research
Supervision and Scientific Evaluation Authority
Department of Quality Assurance and Academic Accreditation
Accreditation Division

Academic Program and Course Description Guide

2024 - 2025

Academic Program Description Template

University Name: Ibn Sina University of Medical and Pharmaceutical Sciences
College/Institute: College of Dentistry
Scientific Department: College of Dentistry
Academic or Professional Program Name: Bachelor of Oral and Dental Surgery
Final Degree Name: Bachelor's Degree in Oral and Dental Surgery
Study System: Annual
Date of Description Preparation: 10/9/2024
Date of File Completion: 30/12/2024

:Signature
Head of Department: Prof. Dr. Baydaa Ali Othman
Date: 30/12/2024

Signature:
Assistant Dean for Scientific Affairs: Prof. Imad Hamoudi Abdullah
Date: 30/12/2024

Reviewed by:
Quality Assurance and University Performance Division
Head of Division: Lecturer Dr. Nabras Ridha Mohammed Hassan

Dean's Approval:
Prof. Dr. Baydaa Ali Othman
Date: 30/12/2024

1. Program Vision

A specialized medical university that produces scientific and knowledge outputs, .striving to compete locally, regionally, and internationally

2. Program Mission

We, at Ibn Sina University for Medical and Pharmaceutical Sciences, aim to prepare graduates characterized by broad theoretical knowledge, scientific skills, and competencies. They should possess analytical and developmental abilities within a promising and stimulating educational and research environment, fulfilling the labor market requirements.

3. Program Objectives

- **Established in 2016, the College of Dentistry aims to prepare a generation of competent and trained dentists according to the latest developments in global dentistry.**
- **Supply the healthcare sector with skilled dentists, especially given the significant need in Iraq due to the shortage in the total number of dentists across the country.**
- **Qualify dental cadres to enter academic positions in dental colleges and research centers after proper undergraduate training and acquiring higher specialized certificates.**
- **Position the College of Dentistry as a model among its counterparts by adopting modern and advanced curricula and continuously updating all fields of dentistry in line with global advanced colleges.**
- **Qualify graduates to conduct applied scientific research effectively.**

4. Program Accreditation

None

5. Other External Influences

None

1. Program Structure

Program Structure	Number of Courses	Credit Units	Percentage	Notes*
Institution Requirements	4	12	%5.6	Core Course

College Requirements	40	213	%94.4	
Department Requirements	Non			
Summer Training	Non			
Others				

The description may include notes on whether the course is core (mandatory) or elective (optional)

7. Program Description				
Credit Hours		**Course Title**	**Course Code**	**Level/Year**
Practical	**Theoretical**			
60	60	Dental Anatomy	ISU1101DA	First
60	30	Human Anatomy	ISU1102HA	
60	60	Medical Biology	ISU1103MB	
60	60	Medical Chemistry	ISU1104MC	
60	60	Medical Physics	ISU1105MP	
0	30	Computer	ISU1106CO	
0	30	Human Rights	ISU1107HR	
1	15	Medical Terminology	ISU1108MT	
60	30	Dental Material	ISU1201DM	Second
60	30	Human Anatomy	ISU1202HA	
60	60	General Histology	ISU1203GH	
60	60	Biochemistry	ISU1204BC	
60	60	General Physics	ISU1205GP	
60	60	Oral Histology and Embryology	ISU1206OH	
120	30	Prosthodontics	ISU1207PD	
0	30	Baath Party Crimes in Iraq	ISU1208BC	
60	30	Community Dentistry	ISU1301CD	Third

60	30	Dental Radiology	ISU1302DR	
60	60	General Pathology	ISU1303GP	
60	30	Prosthodontics	ISU1304PD	
60	30	Oral Surgery	ISU1305OS	
60	60	Pharmacology	ISU1306PH	
60	60	Microbiology	ISU1307MB	
60	30	Preclinical Operative Dentistry	ISU1308OD	
60	30	Preclinical Fixed Prosthodontics	ISU1309FP	
0	30	Dental Ethics	ISU13010DE	
60	30	General Medicine	ISU1401GM	Fourth
60	30	General Surgery	ISU1402GS	
60	60	Oral Pathology	ISU1403OP	
120	30	Oral Surgery	ISU1404OS	
120	30	Orthodontics	ISU1405OD	
60	30	Pediatric Dentistry	ISU1406PD	
90	30	Periodontics	ISU1407PD	
90	30	Prosthodontics	ISU1408PD	
180	30	Conservative Dentistry	ISU1409CD	
180	30	Prosthodontics	ISU1501PD	Fifth
120	60	Oral Medicine	ISU1502OM	
180	30	Oral Surgery	ISU1503OS	
120	30	Orthodontics	ISU1504OD	
90	30	Pediatric Dentistry	ISU1505PD	
90	30	Periodontics	ISU1506PD	
180	30	Conservative Dentistry	ISU1507CD	
90	30	Preventive Dentistry	ISU1508PD	
0	30	Research	ISU1509RS	

8. Expected Program Learning Outcomes
Knowledge
.1Recognize modern methods in dentistry and their role in developing students' scientific expertise, while linking them to other medical sciences .

.2Mastery of core dental skills, along with patient communication techniques .

3. Understand the legal and ethical foundations of patient care in dentistry.

Skills

1. Instill a commitment to continuous patient care, fostering humanitarian and ethical values in dental graduates to 1 . .advance the profession
2. Ensure graduates achieve high competency in analyzing medical cases and making appropriate clinical decisions for oral healthcare.

Value

.1Train students to balance professional responsibilities with personal integrity .
2. Equip graduates with the ability to make sound, logical decisions that prioritize patient welfare.

9.Teaching and Learning Strategies

1. Deliver scientific content by presenting modern advancements in dentistry and its foundational supporting sciences, in alignment with the standardized curriculum of dental colleges. This will be applied practically in clinical settings and training laboratories.

10. Assessment Methods

1. Daily, weekly, and monthly exams

2. Midterm and final exams

11. Faculty

Faculty Members

Faculty Members		Skills/ Requirements		Specialization		Academic Ranks
Tenured staff	**Permanent Staff**			**Specific Specialization**	**General Specialization**	
	Permanent Staff			Pediatric Dentistry	Bachelor of Oral and Dental Surgery	Prof. Bidaa Ali Othman Faraj
	Permanent Staff			Oral and Maxillofacial	Bachelor of Oral and Dental Surgery	Prof. Emad Hammoudi Abdullah Saleh

				Surgery		
	Permanent Staff			Preventive Dentistry	Bachelor of Oral and Dental Surgery	Assoc. Prof. Riya Rashid Abd Ali
	Permanent Staff			Histology	Biological Sciences	Assoc. Prof. Riyadh Salem Mohammed Hamad
	Permanent Staff			Oral and Maxillofacial Surgery	Bachelor of Oral and Dental Surgery	Prof. Faez Yaqub Kadhim Jassim
	Permanent Staff			Oral Medicine	Bachelor of Oral and Dental Surgery	Assoc. Prof. Wajnaa Fareed Qasim Mohammed Ali
	Permanent Staff			Preventive Dentistry	Bachelor of Oral and Dental Surgery	Asst. Prof. Yamama Adnan Abdullah Amin
	Permanent Staff			Biochemistry	Chemistry Sciences	Prof. Manal Ezzat Aziz Faraj
	Permanent Staff			Genetic Engineering and Biotechnology	General Veterinary Medicine and Surgery	Assoc. Prof. Mithal Abdul Kareem Abd Awn Jabr
	Permanent Staff			Poetry	English Literature	Assoc. Prof. Widad Allawi Saddam Maslukh
	Permanent Staff			Applied Embryology	General Veterinary Medicine and Surgery	Asst. Prof. Sawsan Saheb Hamza Hayir
	Permanent Staff			Grammar	Arabic Language	Assoc. Prof. Ziyad Qadouri Hameed Lateef
	Permanent			Clinical	Microbiology	Dr. Sanan Thaer Abdul Wahab Shihab

	Staff			Immunology		
	Permanent Staff			Philosophy in Physical Education and Sports Science	Physical Education	Dr. Mazen Mahmoud Shateeb Ibrahim
	Permanent Staff			Microbiology	Biological Sciences	Dr. Hossam Hussein Lazim Ramadan
	Permanent Staff			Microbiology and Immunology	Biotechnology	Dr. Rushd Ayad Abdul Hamid Abdul Majeed
	Permanent Staff			Medical Chemistry	Biochemistry	Dr. Baraa Ahmed Said Saalou
	Permanent Staff			Molecular and Medical Biotechnology	Biotechnology	Dr. Nebras Rida Mohammed Hassan
	Permanent Staff			Microbiology	Medical Microbiology	Dr. Zainab Bassim Mohammed Jirjees
	Permanent Staff			Grammar	Arabic Language	Asst. Prof. Nebras Hameed Ibrahim Hormuz
	Permanent Staff			Biomedical Engineering	Biomedical Engineering	Lect. Khawla Hameed Rashid Hassan
	Permanent Staff			Philosophy of Life Sciences and	Biological Sciences	Dr. Amir Mohammed Jafar Ali Hussein

				Zoology		
	Permanent Staff			Clinical Biochemistry	Chemistry Sciences	Dr. Nadia Nouri Hassan Ayed
	Permanent Staff			Laser Sciences and Veterinary Medicine	General Veterinary Medicine and Surgery	Lect. Raja Sayhoud Abbas Saleh
	Permanent Staff			Microbiology	Biological Sciences	Dr. Iver Ashraf Khorsheed Qader
	Permanent Staff			Medical Microbiology	General Veterinary Medicine and Surgery	Dr. Alaa Hussein Hassan Hamdi
	Permanent Staff			Clinical Biochemistry	Chemistry Sciences	Dr. Ahmed Abdul Rahim Ibrahim Dahi
	Permanent Staff			Clinical Biochemistry	Chemistry Sciences	Dr. Anas Hashem Sadiq Abd Taha
	Permanent Staff			Clinical Biochemistry	Biotechnology	Dr. Taiba Ghazwan Mohammed Abdul Latif
	Permanent Staff			Microbiology	Biotechnology	Dr. Ihab Qais Ali Hussein
	Permanent Staff			Molecular Immunology and Histology	Bachelor of Oral and Dental Surgery	Dr. Samer Salem Othman Ayyub
	Permanent Staff			Orthodontics	Bachelor of Oral and Dental Surgery	Lect. Haider Jassim Attar Aref

	Permanent Staff			Orthodontics	Bachelor of Oral and Dental Surgery	Lect. Zahraa Saad Abd Aboud Kirkush
	Permanent Staff			Dental Prosthetics	Bachelor of Oral and Dental Surgery	Lect. Noor Hashem Mohammed Mahmoud
	Permanent Staff			Zoology	Biological Sciences	Asst. Lect. Raghad Hassan Nafal Ali
	Permanent Staff			Zoology	Biological Sciences	Asst. Lect. Tabarak Ali Hassan Ali
	Permanent Staff			Medical Microbiology	Biological Sciences	Asst. Lect. Marwa Bassim Sabri Mahdi
	ملاك			Medical Chemistry	Chemistry Sciences	Asst. Lect. Rusul Riyadh Abbas Abdul Jabbar
	ملاك			Biotechnology Sciences	Biotechnology	Asst. Lect. Warood Alaa Hassan Ahmed
	Permanent Staff			Oral Surgery	Bachelor of Oral and Dental Surgery	Asst. Lect. Zahraa Ahmed Abdul Wahid Binyan
	Permanent Staff			Biochemistry	Chemistry Sciences	Asst. Lect. Iman Shaker Ali Hussein
	Permanent Staff			Applied Physics	Applied Physics	Asst. Lect. Abdullah Mohammed Reda Said
	Permanent Staff			Biotechnology Sciences	Biotechnology	Asst. Lect. Mays Hussein Ali Fadhl
	Permanent Staff			Microbiology	Biological Sciences	Asst. Lect. Ammar Jawad Kadhim Wahb
	Permanent Staff			Genetic Engineering and	Biotechnology	Asst. Lect. Yusra Najm Abd Jassim

				Biotechnology		
	Permanent Staff			Biochemical Sciences	Chemistry Sciences	Asst. Lect. Qabas Abdul Samad Dhanoun Ahmed
	Permanent Staff			Biochemical Organic Chemistry	General Chemistry	Asst. Prof. Abbas Abdul Amir Salman Dawood
	Permanent Staff			Organic Chemistry	Chemistry Sciences	Asst. Lect. Ahmed Rahman Saleh Salman
	Permanent Staff			Biotechnology Sciences	Biotechnology Sciences	Asst. Lect. Atyaf Adnan Nayef Rashid
	Permanent Staff			Physics	Physics	Asst. Lect. Nada Adnan Sabri Saleh
	Permanent Staff			Pharmacognosy and Medicinal Plants	Pharmaceutical Sciences	Asst. Lect. Dania Fuad Abdul Amir Hameed
	Permanent Staff			Microbial Toxins	Food Sciences and Biotechnology	Asst. Lect. Amal Hassan Faleh Mohsen
	Permanent Staff			Pharmacology and Toxicology	General Veterinary Medicine and Surgery	Asst. Lect. Ban Abbas Nasser Hussein
	Permanent Staff			Chemistry	Chemistry	Asst. Lect. Israa Kareem Abd Awn Yassin
	Permanent Staff			Physical Chemistry	Chemistry Sciences	Asst. Lect. Rayam Lateef Khalf Khudair
	Permanent Staff			Thin Film Physics	Physics Sciences	Asst. Lect. Abeer Mohammed Muslim Mansour

	Permanent Staff			Laser and Electro Optics Physics	Physics Sciences	Asst. Lect. Ola Abdul Kareem Nouri Saleh
	Permanent Staff			Clinical Biochemistry	Chemistry Sciences	Asst. Lect. Ayat Jawad Ali Falah
	Permanent Staff			Clinical Pharmacy	Pharmacy	Asst. Lect. Muhannad Luay Jawhar Hassan
	Permanent Staff			Thin Film Physics	Physics Sciences	Asst. Lect. Ali Amer Qasim Abd
	Permanent Staff			Biochemical Sciences	Chemistry Sciences	Asst. Lect. Istabraq Fares Fadhel Kadhim
	Permanent Staff			Zoology	Biological Sciences	Asst. Lect. Ahmed Talal Anad Abd
	Permanent Staff			Highway and Transportation Engineering	Civil Engineering	Asst. Lect. Mariam Mohammed Salman Hammoudi
	Permanent Staff			Information Technology	Computer Sciences	Asst. Lect. Doaa Juloud Nayef Shalash
	Permanent Staff			Biotechnology	Biotechnology	Asst. Lect. Meena Mohammed Kadhim Faleh
	Permanent Staff			Pharmaceutical Sciences	Pharmacy	Asst. Lect. Tabarak Hassan Mahmoud Hassan
	Permanent Staff			Inorganic Chemistry Sciences	Chemistry Sciences	Lect. Farah Saadoon Jafar Hassan

	Permanent Staff			Systems Software	Computer Sciences	Asst. Lect. Hajar Najah Abdul Saheb Tarrad
	Permanent Staff			Pharmaceutics	Pharmacy	Asst. Lect. Saif Ali Muslim Abd
	Permanent Staff			Medical Physics	Physics Sciences	Asst. Lect. Hassan Ali Hassan Thamer
	Permanent Staff			Optics and Laser Physics	Physics Sciences	Asst. Lect. Lubaba Abdul Kareem Abd Awn Jabr
	Permanent Staff			Biotechnology and Microbiology	Biotechnology	Asst. Lect. Elaf Ismail Mahdi Mohammed
	Permanent Staff			Molecular Biology	Biotechnology	Asst. Lect. Media Faiq Ali Jan Hussein
	Permanent Staff			Microbiology	Biological Sciences	Asst. Lect. Dania Baha Al Deen Ibrahim Abdul Aziz
	Permanent Staff			Zoology and Physiology	Biological Sciences	Asst. Lect. Noor Ali Zayed Dagher
	Permanent Staff			Medical Techniques	Pathological Analysis	Asst. Lect. Ruqaya Qahtan Abbas Numan
	Permanent Staff			Dental Restoration	Bachelor of Oral and Dental Surgery	Asst. Lect. Sara Abdul Amir Rashid Ahmed
	Permanent Staff			Preventive Dentistry	Bachelor of Oral and Dental Surgery	Asst. Lect. Iman Alaa Jafar Saleh
	Permanent Staff			Oral and Maxillofacial	Bachelor of Oral and Dental Surgery	Asst. Lect. Shahd Abbas Aziz Abdul Amir Waheed

				Diseases		
	Permanent Staff			Pediatric Dentistry	Bachelor of Oral and Dental Surgery	Asst. Lect. Mays Mahdi Kadhim Zaher
	Permanent Staff			Dental Prosthetics	Bachelor of Oral and Dental Surgery	Asst. Lect. Safa Ghalib Dekan Hussein
	Permanent Staff			Pediatric Dentistry	Bachelor of Oral and Dental Surgery	Asst. Lect. Shahd Zahid Abdul Abbas Ali
	Permanent Staff			Cosmetic Dentistry	Bachelor of Oral and Dental Surgery	Asst. Lect. Mohammed Qasim Mohammed Juma
	Permanent Staff			Pediatric Dentistry	Bachelor of Oral and Dental Surgery	Asst. Lect. Abeer Ahmed Yahya Hussein
	Permanent Staff			Orthodontics	Bachelor of Oral and Dental Surgery	Asst. Lect. Ali Rahman Isa Hassan
	Permanent Staff			Oral and Maxillofacial Surgery	Bachelor of Oral and Dental Surgery	Asst. Lect. Nagham Hussein Ali Mahmoud Al-Falahi
	Permanent Staff			Genetic Engineering and Biotechnology	Biological Sciences	Asst. Lect. Taghreed Abdul Rahman Kareem Khusraw
	Permanent Staff			Preventive Dentistry	Bachelor of Oral and Dental Surgery	Asst. Lect. Marwa Jamal Ibrahim Abdul Hussein
	Permanent Staff			Laser Sciences	Bachelor of Oral and Dental Surgery	Asst. Lect. Maha Waleed Ali Reda Ayyub

	Permanent Staff			Oral Histology	Bachelor of Oral and Dental Surgery	Dr. Noor Abdul Kareem Rizouqi Jawad
	Permanent Staff			Medical Biochemistry	Chemistry Sciences	Dr. Ammar Yasser Abdul Rahman Mahmoud
	Permanent Staff			Applied Physics	Physics Sciences	Dr. Huda Najm Abd Jassim Rasn
	Permanent Staff			Electronic Engineering	Communications Engineering	Asst. Lect. Jumana Suhail Khairallah Salman
	Permanent Staff			Physiology	Physical Education	Asst. Lect. Dina Jamal Abd Ameen
	Permanent Staff			Construction	Civil Engineering	Asst. Lect. Raghdah Hashem Abd Husoon
	Permanent Staff			Mechanics	Mechanical Engineering	Asst. Lect. Mariya Thaer Abdul Hadi Abdul Jabbar
	Permanent Staff			Dental Prosthetics	Bachelor of Oral and Dental Surgery	Dr. Yas Mohammed Musadaq Jafar
	Permanent Staff			Dentistry	Bachelor of Oral and Dental Surgery	Dr. Safa Salam Abdul Amir Hammoudi
	Permanent Staff			Oral and Dental Surgery	Bachelor of Oral and Dental Surgery	Asst. Lect. Maymouna Fadhl Jassim Hussein
	Permanent Staff			Dental Prosthetics	Bachelor of Oral and Dental Surgery	Asst. Lect. Madiha Fuad Jameel Ibrahim
	Permanent Staff			Chemistry Sciences	Chemistry Sciences	Asst. Lect. Rana Khudair Jassim Sabeeh
	Permanent			Internatio	Law	Asst. Lect. Ayat Risan Aziz Abd

	Staff			nal Law		
	Permanent Staff			Microbiology	Bachelor of Oral and Dental Surgery	Asst. Lect. Jihan Yavuzmaki Zainal
	Permanent Staff			Oral Medicine	Bachelor of Oral and Dental Surgery	Asst. Lect. Omar Mahmoud Hassan Shahadha
	Permanent Staff			Inorganic Chemistry	Chemistry	Asst. Lect. Yamama Atallah Suleiman Rahi
	Permanent Staff			Biochemistry	Chemistry	Asst. Lect. Hala Baher Hammadi Jumaa
	Permanent Staff			Public Administration	Business Administration and Economics	Asst. Lect. Noor Karim Hassan
	Permanent Staff			Microbiology	Biological Sciences	Asst. Lect. Noor Ibrahim Dhaidan Nazal
	Permanent Staff			Zoology	Biological Sciences	Asst. Lect. Qatr Al-Nada Jassim Mohammed Al-Jawad
	Permanent Staff			Pharmacy	Pharmacy	Asst. Lect. Ali Hani Abbas Issa
	Permanent Staff			Medical Physics	Physics Sciences	Asst. Lect. Shaimaa Ahmed Abdullah Hussein
	Permanent Staff			Optical Electronics and Laser Engineering	Engineering	Asst. Lect. Reem Mohammed Ibrahim Mohammed
	Permanent Staff			Arabic Language	Arabic Language	Asst. Lect. Raghda Mohammed Daoud Salem
	Permanent Staff			Microbiology	Biological Sciences	Asst. Lect. Haider Ahmed Kazem Hadi

	Permanent Staff			Chemistry	Chemistry	Asst. Lect. Hanin Hamza Ali Mahmoud
	Permanent Staff			Microbiology	Biological Sciences	Asst. Lect. Inas Ammar Tawfiq Abdul Latif
	Permanent Staff			Anthropology	Arts	Asst. Lect. Arwa Subhi Khazal Ali
	Permanent Staff			Microbiology	Bachelor of Oral and Dental Surgery	Asst. Lect. Khulood Waleed Abdul Rahman Ismail
	Permanent Staff			Cosmetic Dentistry	Bachelor of Oral and Dental Surgery	Asst. Lect. Shamaa Anis Saheb Abdullah
	Permanent Staff			Mechanical Engineering	Engineering	Asst. Lect. Muhannad Muwaffaq Nasir Dawood
	Permanent Staff			Finance and Banking	Finance and Banking	Asst. Lect. Yousif Fawzi Dhari
	Permanent Staff			Financial and Accounting Techniques	Finance	Asst. Lect. Sara Sabah Hussein Abbas
	Permanent Staff			Dental Prosthetics	Bachelor of Oral and Dental Surgery	Dr. Ahmed Ghaith Ahmed Khalaf
	Permanent Staff			Dental Prosthetics	Bachelor of Oral and Dental Surgery	Dr. Rihab Amir Karim Kazzar
	Permanent Staff			Dental Restoration	Bachelor of Oral and Dental Surgery	Asst. Lect. Hussein Adil Thabit Kazem

	Permanent Staff			Arabic Language	Arabic Language	Asst. Lect. Faten Jalal Abdul Karim Mahmoud
	Permanent Staff			Orthodontics	Bachelor of Oral and Dental Surgery	Asst. Lect. Muntadhar Shafiq Hadi Hamza
	Permanent Staff			Dental Prosthetics	Bachelor of Oral and Dental Surgery	Dr. Yas Mohammed Musadaq Jafar
	Permanent Staff			Dental Restoration	Bachelor of Oral and Dental Surgery	Asst. Lect. Afnan Thamer Hassan Saleh
	Permanent Staff			Oral Microbiology	Biological Sciences	Asst. Lect. Al-Zahra Jabbar Jassim Karim
	Permanent Staff			Psychology and Sociology	Arts	Asst. Lect. Mays Issa Shaaban Khalaf
	Permanent Staff			Administration	Law	Asst. Lect. Ola Muhannad Saadoun Nouri
	Permanent Staff			Microbiology	Biological Sciences	Asst. Lect. Ru'a Khalil Ismail Matar
	Permanent Staff			Biotechnology	Sciences	Asst. Lect. Noor Ali Salman Musleh
	Permanent Staff			Microbiology	Biological Sciences	Dr. Shaimaa Mahmoud Ali Mahmoud

Professional Development
Orientation of New Faculty Members
Briefly describe the process used to orient new, visiting, full-time, and part-time faculty members at the institutional and departmental levels.
Professional Development for Faculty Members
Negotiation and Persuasion: The student should be able to influence, persuade, discuss with

.others, and reach agreements

.Leadership: The student should be capable of leading, motivating, and directing others

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

12. Admission Criteria

Admission criteria include students who have a certain cumulative GPA according to the central admission system, where students are selected based on their physical, mental, and social abilities to manage any medical case or practice required by the study.

13. Main Sources of Information about the Program

1. The official website of the college and the university
2. The official documents of the college

14. Program Development Plan

Program skills chart															
Required learning outcomes of the program															
values				Skills				knowledge				Essential or optional	Course name	Course code	Year/Level
C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1				
	—					—				*	*	Essential	Dental Anatomy	ISU1101DA	2025 -2024 First
*	*	*	*	*	*	*	*			*	*	Essential	Human Anatomy	ISU1102HA	
*	*	*	*	*	*	*	*			*	*	Essential	Medical Biology	ISU1103MB	
		*	*			*	*			*	*	Essential	Medical Chemistry	ISU1104MC	
		*	*			*	*			*	*	Essential	Medical Physics	ISU1105MP	
		*	*			*	*			*	*	Essential	Computer	ISU1106CO	
		*	*			*	*			*	*	Essential	Human Rights	ISU1107HR	
		*	*			*	*			*	*	Essential	Medical Terminology	ISU1108MT	
*	*	*	*	*	*	*	*			*	*	Essential	Dental Material	ISU1201DM	2025 -2024 Second
*	*	*	*	*	*	*	*			*	*	Essential	Human Anatomy	ISU1202HA	
		*	*			*	*			*	*	Essential	General Histology	ISU1203GH	
		*	*			*	*			*	*	Essential	Biochemistry	ISU1204BC	

		*	*			*	*			*	*	Essential	General Physics	ISU1205GP	
		*	*			*	*			*	*	Essential	Oral Histology and Embryology	ISU1206OH	
		*	*			*	*			*	*	Essential	Prosthodontics	ISU1207PD	
	*	*	*	*	*	*	*			*	*	Essential	Baath Party Crimes in Iraq	ISU1208BC	
		*	*			*	*			*	*	Essential	Community Dentistry	ISU1301CD	2025 -2024 Third
		*	*			*	*			*	*	Essential	Dental Radiology	ISU1302DR	
		*	*			*	*			*	*	Essential	General Pathology	ISU1303GP	
		*	*			*	*			*	*	Essential	Prosthodontics	ISU1304PD	
		*	*			*	*			*	*	Essential	Oral Surgery	ISU1305OS	
		*	*			*	*			*	*	Essential	Pharmacology	ISU1306PH	
		*	*			*	*			*	*	Essential	Microbiology	ISU1307MB	
		*	*			*	*			*	*	Essential	Preclinical Operative Dentistry	ISU1308OD	
		*	*			*	*			*	*	Essential	Preclinical Fixed Prosthodontics	ISU1309FP	
		*	*			*	*			*	*	Essential	Dental Ethics	ISU13010DE	
		*	*			*	*			*	*	Essential	General Medicine	ISU1401GM	2025 -2024

		*	*			*	*			*	*	Essential	General Surgery	ISU1402GS	Fourth
		*	*			*	*			*	*	Essential	Oral Pathology	ISU1403OP	
		*	*			*	*			*	*	Essential	Oral Surgery	ISU1404OS	
		*	*			*	*			*	*	Essential	Orthodontics	ISU1405OD	
		*	*			*	*			*	*	Essential	Pediatric Dentistry	ISU1406PD	
		*	*			*	*			*	*	Essential	Periodontics	ISU1407PD	
		*	*			*	*			*	*	Essential	Prosthodontics	ISU1408PD	
		*	*			*	*			*	*	Essential	Conservative Dentistry	ISU1409CD	
		*	*			*	*			*	*	Essential	Prosthodontics	ISU1501PD	2025 -2024 Fifth
		*	*			*	*			*	*	Essential	Oral Medicine	ISU1502OM	
		*	*			*	*			*	*	Essential	Oral Surgery	ISU1503OS	
		*	*			*	*			*	*	Essential	Orthodontics	ISU1504OD	
		*	*			*	*			*	*	Essential	Pediatric Dentistry	ISU1505PD	
		*	*			*	*			*	*	Essential	Periodontics	ISU1506PD	
		*	*			*	*			*	*	Essential	Conservative Dentistry	ISU1507CD	
		*	*			*	*			*	*	Essential	Preventive Dentistry	ISU1508PD	
		*	*			*	*			*	*	Essential	Research	ISU1509RS	

Check the boxes corresponding to the individual learning outcomes from the program subject to evaluation

Course Description Form

1. Course Name:
Dental anatomy \1st stage
2. Course Code:
ISU1101DA
3. Semester / Year:
Year
4. Description Preparation Date:
20/11/2024
5. Available Attendance Forms:
6. Number of Credit Hours (Total) / Number of Units (Total)
120 h/6 credits
7. Course administrator's name (mention all, if more than one name)
Name: Name: Shammaa Anees Sahib Email: shammaa.alansary@ibnsina.edu.iq
8. Course Objectives

Course Objectives	• In lab the student will practice to perform drawing the diagrams of different anterior and posterior teeth with their shapes ,geometry a and then sculpture them into realistic forms • Theoretically the students will take lectures about the morphology and anatomy of the teeth with their specific types according to position and stages related to their structural supporting tissues • Students will have scores evaluation on their sculpture work in the lab together with written evaluation.....

9. Teaching and Learning Strategies

Strategy	• PowerPoint descriptive lectures

	• Discussion method • Laboratory workshop method • Continuous evaluation for hand skill • Videos monitoring in the lab

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2 Theory 2 Laboratory	Introduction	Dental anatomy	eoretical lecture using wer point, discussion, deos , workshop in lab with practice	Short ,semester , mid-term and final exams
2	2 theory 2 laboratory	Numbering Systems	Dental anatomy	Theoretical lecture using power point, discussion, videos , workshop in lab with practice	Short ,semester , mid-term and final exams
3	2 theory 2 laboratory	Anatomical Landmarks	Dental anatomy	Theoretical lecture using power point, discussion, videos , workshop in lab with practice	Short ,semester , mid-term and final exams
4	2 theory 2 laboratory	Permanent Incisors	Dental anatomy		Short ,semester , mid-term and final exams
5	2 theory 2 laboratory	***Maxillary Lateral Incisor***	Dental anatomy	Theoretical lecture using power point, discussion, videos , workshop in lab with practice	Short ,semester , mid-term and final exams
6	2 theory 2 laboratory	Permanent Mandibular Incisors	Dental anatomy	Theoretical lecture using power point, discussion, videos , workshop in lab with practice	Short ,semester , mid-term and final exams
7	2 theory 2 laboratory	Permanent Canines	Dental anatomy Dental anatomy	Theoretical lecture using power point, discussion, videos , workshop in lab with practice	Short ,semester , mid-term and final exams
8	2 theory 2 laboratory	Permanent Maxillary Premolars	Dental anatomy	Theoretical lecture using power point, discussion, videos , workshop in lab with practice	Short ,semester , mid-term and final exams
9	2 theory 2 laboratory	Permanent Mandibular Premolars	Dental anatomy	Theoretical lecture using power point, discussion,	Short ,semester , mid-term and final exams
10	2 theory		Dental anatomy		Short ,semester

11 12 13 14 15 16	2 laboratory 2 theory 2 laboratory 2theory 2laboratory 2theory 2 laboratory 2 theory 2 laboratory 2 theory 2 laboratory 2 theory 2 laboratory	Permanent Mandibular Second Premolar Permanent Maxillary Molars Permanent Maxillary Second Molar Permanent Mandibular Molars Mandibular Second Molar Tooth Development Pulp Cavities	Dental anatomy Dental anatomy Dental anatomy Dental anatomy Dental anatomy	videos , workshop in lab with practice Theoretical lecture using power point, discussion, videos , workshop in lab with practice Theoretical lecture using power point, discussion, videos , workshop in lab with practice Theoretical lecture using power point, discussion, videos , workshop in lab with practice Theoretical lecture using power point, discussion, videos , workshop in lab with practice Theoretical lecture using power point, discussion, videos , workshop in lab with practice Theoretical lecture using power point, discussion, videos , workshop in lab with practice	, mid-term and final exams Short ,semester , mid-term and final exams Short ,semester , mid-term and final exams Short ,semester , mid-term and final exams Short ,semester , mid-term and final exams Short ,semester , mid-term and final exams Short ,semester , mid-term and final exams

11. Course Evaluation

Distribution as follows:٢٠ marks for daily and monthly quizzes and exams with evaluation of practical requirements for first and second semesters.٢٠ marks for mid exams. 60 marks for the final exams = 100 marks

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	1. Woelfels Dental Anatomy /Rickne C

	Scsheid and Gabriela Weiss. 8th edition, 2010 Elseveir Inc. 2. Wheelers dental anatomy, physiology, and occlusion /Stanely J,Nelson and Major M. Ash . 9th edition, 2010 Elseveir Inc.
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

1. Course Name:
General Anatomy/ 1st Year
2. Course Code:
ISU1102GA
3. Semester / Year:
Year
4. Description Preparation Date:
2024-2025
5. Available Attendance Forms:
6. Number of Credit Hours (Total) / Number of Units (Total)
90Hr. in the year/(one theory + 2 lab) weekly / 4 credits
7. Course administrator's name (mention all, if more than one name)
Name: **1-Prof. Emad.Hammody.Abdulla.** Email: **emad.g@ibnsina.edu.iq** **2-.TeachearDR.Sura Badie Sharafaldeen** Email: **emad.g@ibnsina.edu.iq**
8. Course Objectives

Course Objectives	• ..... **The student's scientific preparation regarding human anatomy, especially the anatomy of the head and neck and its relation to his specific specialty as a dentist.** • ..... • .....
9. Teaching and Learning Strategies	
Strategy	**1.Microsoft power point lecture** **2. Discussion method.** **3.Report method.** **4.Practical training**

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	One Theory 2 Lab.	Introduction to Human Anatomy Descriptive Anatomic Terms	General Anatomy	1.Microsoft power point lecture 2. Discussion method. 3.Report method. 4.Practical training	1- Weekly Quizzes 2-Term exam 3-Mid year exam 4-Final year exam
2	One Theory 2 Lab.	Basic Structures: Skin, Fasciae, Muscle, Joints, Ligament, Bursae			
3	One Theory 2 Lab.	Basic Structures: Bone, Cartilage, Blood Vessels, Lymphatic System			
4	One Theory 2 Lab.	Basic Structures: Bone, Cartilage, Blood Vessels, Lymphatic System			
5	One Theory 2 Lab.	Basic Structures: Nervous System, Mucous Membranes, Serous Membranes			
6	One Theory 2 Lab.	Skeletal system of the body: Skull :Cranial Bones			
7	One Theory 2 Lab.	Skeletal system of the body: Skull :Cranial Bones			
8	One Theory 2 Lab.	Skeletal system of the body : skull: facial bone.			
9	One Theory 2 Lab.	Skeletal system of the body : skull: facial bone.			
10	One Theory 2 Lab.	External View of the skull			
11	One Theory 2 Lab.	External View of the skull			
12	One Theory 2 Lab.	The Cranial Cavity Major Foramina and structures pass through. Neonatal Skull.			
13	One Theory	The Cranial Cavity Major Foramina and			

	2 Lab.	**structures pass through. Neonatal Skull.**
14	**One Theory 2 Lab.**	**Skeletal of the Orbital Region, Openings into the Orbital Cavity skeleton of the External Nose ,nasal cavity .Para nasal Sinuses, Auditory ossicles, Hyoid bone.**
15	**One Theory 2 Lab.**	**Skeletal of the Orbital Region, Openings into the Orbital Cavity skeleton of the External Nose ,nasal cavity .Para nasal Sinuses, Auditory ossicles, Hyoid bone.**
16	**One Theory 2 Lab.**	**The Vertebral Column.**
17	**One Theory 2 Lab.**	**The Vertebral Column.**
18	**One Theory 2 Lab.**	**Structure of the Thoracic Wall Joints of the Chest Wall Joints of the Chest Wall Suprapleural Membrane Diaphragm Surface Anatomy.**
19	**One Theory 2 Lab.**	**Structure of the Thoracic Wall Joints of the Chest Wall Joints of the Chest Wall Suprapleural Membrane Diaphragm Surface Anatomy.**
20	**One Theory 2 Lab.**	**Thoracic cavity : Mediastinum, Pleurae, Trachea, Bronchi, Lungs**
21	**One Theory 2 Lab.**	**Thoracic cavity : Mediastinum, Pleurae, Trachea, Bronchi, Lungs**
22	**One Theory 2 Lab.**	**Pericardium, Heart, Large arteries ,veins and nerves of the thorax**
23	**One Theory 2 Lab.**	**Pericardium, Heart, Large arteries ,veins and nerves of the thorax**
24	**One Theory 2 Lab.**	**Pericardium, Heart, Large arteries ,veins and nerves of the thorax**
25	**One Theory 2 Lab.**	**Bones of the Shoulder (Pectoral girdle) girdles Bones of the Upper extremities**
26	**One Theory 2 Lab.**	**Bones of the Shoulder (Pectoral girdle) girdles Bones of the Upper extremities**
27	**One Theory 2 Lab.**	**Bones of the Pelvic girdle Bones of the Lower extremities**

28	**One Theory 2 Lab.**	**Bones of the Pelvic girdle Bones of the Lower extremities**	
29	**One Theory 2 Lab.**	**Abdominal cavity and organs**	
30	**One Theory 2 Lab.**	**Abdominal cavity and organs**	

11. Course Evaluation

Distributing the score out of 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)	**1.Snell's Clinical anatomy 7th edition.**
Main references (sources)	**2. Netter's head and neck anatomy for dentist nd edition 2012**
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

1. Course Name:
Medical Biology/ 1st Year
2. Course Code:
ISU1103MB
3. Semester / Year:
Year
4. Description Preparation Date:
17 / 11 / 2024
5. Available Attendance Forms:
6. Number of Credit Hours (Total) / Number of Units (Total)
120 Hr./ 6 credits
7. Course administrator's name (mention all, if more than one name)
Name: Dr. Alaa Hussien Hassan **Dr. Ameer Mohammed Jafar Ali**
8. Course Objectives

Course Objectives	**1. The student should be able to identify the different types a diseases caused by parasites.** **2. Learn about the life cycles of these parasites to learn how control them and reduce their impact.** **3. Knowing its possible presence and the environments in which spreads.** **4_ Conducting all possible laboratory tests to benefit from them diagnosing dangerous parasites.** **5. The student should be able to identify molecular diagnos methods and molecular detection of various infections of t mouth.** **6. The student should be able to identifying the types of tissu distinguishing between them, and being able to diagnose the correctly in the laboratory.** **7- The student should be able to determine blood types.** **8- The student will know the different types of viruses, fungi, a bacteria that cause oral diseases.**
9. Teaching and Learning Strategies	
Strategy	**1. Microsoft power point lecture** **2. Discussion method.** **3. Report method.** **4. Practical training.**

	5. Daily tests. **6. Mid-course grade.** **7. Student interaction in in-person lectures.** **8. Degree of various duties.**

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2 Theory 2 Lab.	Introduction to medical and oral biology	Medical Biology	1.Microsoft power point lecture 2. Discussion method. 3.Report method. 4.Practical training	Weekly Quizzes, Monthly exam, Midyear exam Final exam
2		Prokaryotes and Eukaryotes			
3		General and oral immunity			
4		Bacteria and oral disease			
5		Genetics and its role in oral disease			
6		Simple epithelial tissue (Tounge)			
7		Stratified epithelia tissue			
8		Glandular epithelial tissue (Salivary glan			
9		General connective tissue (Blood)			
10		Muscular tissue			
11		Nerve tissue			
12		Cell structure (Oral mucus membrane)			
13		Plasma membrane structure			
14		Passage of materials across cell membran			
15		Cell cycle			
16		(Second semester of the annual system)			
17		Name of the unit/topic			
18		Mitosis and Meiosis			
19		Cell Energy			
20		Nucleic acid DNA and RNA			
21		Introduction to Parasitology			
22		Types of parasites and host			
23		General and oral protozoa			
24		Human amoebas,E. histolytica, E.coli, E.gingivalis			
25		Flagellates, Giardia lamblia, Trichomona tenax, T.hominas, T.vaginalis			
26		Leishmania , cutaneous and vesiral			
27		Sporozoa, Plasmodium spp.			
28		Toxoplasma gondii			
29		Nemathelminthes, Ascaris lumbricoides،			
30		Ancylostoma duodenale, Entrobius vermicularis			

11. Course Evaluation

100 Score distributing as a following:

- **1st and 2nd semesters (20 degree)**
- **Midyear Exam (20 degree)**
- **Final Exam (60 degree)**

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	**Human biology,8 edition / Author: Inderbir Singh.**
Main references (sources)	**Cell Biology,3 edition.2017 / Author: Thomas,D; William,C; Jennefer, L and Graham, T.**
Recommended books and references (scientific journals, reports…)	**Human biology,15th edition / Author: Sylvia S. Mader and Michael Windelspecht.**
Electronic References, Websites	**NCBI / Pubmed / Wiley online library / ResearchGate.**

Course Description Form

1. Course Name:
Medical Chemistry
2. Course Code:
ISU1104MC
3. Semester / Year:
Year
4. Description Preparation Date:
20.11.2024
5. Available Attendance Forms:
6. Number of Credit Hours (Total) / Number of Units (Total)
120 hrs. 60hrs theory, 60 hrs lab. Training/ 6 Credits
7. Course administrator's name (mention all, if more than one name)
Name: Prof. Dr. Manal Azat Aziz Email: manal.aziz@ibnsina.edu.iq
8. Course Objectives

Course Objectives	To be familiar with employing his knowledge of the basics of reactions and chemical composition of compounds and methods of preparing them in his field of specialization by preparing materials and compounds used in preparing various dental fillings.

9. Teaching and Learning Strategies	
Strategy	Urge the student to think about the importance of identifying th types of compounds used in preparing dental fillings and the importance of the biochemical components in the mouth for oral and dental health.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1st semester .1					

Evaluation method	Learning methods	Practical	Theoretical	hours
Daily exams + self-assessment during the lecture + monthly exams	power point	Safety of chemicals part 1	Chemical safety	2
Daily exams + self-assessment during the lecture + monthly exams	power point	Safety of chemicals part 2	Acid, Base, Salt and salt preparation	2
امتحانات يومية +تقييم ذاتي خلال المحاضرة +امتحانات شهري	power point	Action of strong base and acid	concentration, preparation of solutions	2
امتحانات يومية +تقييم ذاتي خلال المحاضرة +امتحانات شهري	power point	Solubility rules and applications (solubility rules of salts)	Fluid and electrolyte	2
امتحانات يومية +تقييم ذاتي خلال المحاضرة +امتحانات شهري	power point	Test for negative inos(anions) part1	Buffer-pH and Acid-Base Balance	2
امتحانات يومية +تقييم ذاتي خلال المحاضرة +امتحانات شهري	power point	Test for negative inos(anions) part2	acid-base balance and blood pH	2
امتحانات يومية +تقييم ذاتي خلال المحاضرة +امتحانات شهري	power point	pH-meter	Colloids and colloidal dispersions	2
امتحانات يومية +تقييم ذاتي خلال المحاضرة +امتحانات شهري	power point	Test for positive inos(cations) part1	Chirality in Biological Systems	2
Daily exams + self-assessment during the lecture +	power point	Test for positive inos(cations) part2	Pollution	2

monthly exams				
امتحانات يومية +تقييم ذاتي خلال المحاضرة +امتحانات شهري	power point	titration	Radiochemistry	2
امتحانات يومية +تقييم ذاتي خلال المحاضرة +امتحانات شهري	power point	Aliphatic hydrocarbons	Alkanes, alkenes, alkynes	2
امتحانات يومية +تقييم ذاتي خلال المحاضرة +امتحانات شهري	power point	Aromatic hydrocarbons part 1	Aromatic compounds and Cycloalkanes	2
امتحانات يومية +تقييم ذاتي خلال المحاضرة +امتحانات شهري	power point	Aromatic hydrocarbons part 2	Stereoisomers of Carbon	2
امتحانات يومية +تقييم ذاتي خلال المحاضرة +امتحانات شهري	power point	Alcohols	Alcohols, Phenols, Ethers and Thiols (preparation, reactions)	2

2nd semster

طريقة التقييم	طريقة التعليم	Practical	Theoretical	hours	1
Daily exams + self-assessment during the lecture	power point	Carboxylic acid reactions part 1	Carboxylic Acids And Their Derivatives , part 1 and 2	2	**2**
Daily exams + self-assessment during the lecture	power point	Carboxylic acid reactions part 2	Aldehydes and ketones	2	**3**
Daily exams + self-assessment during the lecture	power point	Preparation of aspirin	Inorganic chemistry in dentistry	2	**4**

Daily exams + self-assessment during the lecture	power point	Phenols reactions	The importance of living ions in dentistry		2	**5**
Daily exams + self-assessment during the lecture	power point	Carbohydrates reactions	Carbohydrates		2	**6**
Daily exams + self-assessment during the lecture	power point	Monosaccharides reactions	Monosaccharide's		2	**7**
Daily exams + self-assessment during the lecture	power point	Disaccharides reactions	Disaccharides Carbohydrates and oral health		2	**8**
Daily exams + self-assessment during the lecture	power point	Lipids reactions part 1	Lipids		2	**9**
Daily exams + self-assessment during the lecture	power point	Lipids reactions part 2	Derived lipids The role of lipids in teeth diseases		2	**10**
Daily exams + self-assessment during the lecture	power point	Protein reactions	Proteins		2	**11**
Daily exams + self-assessment during the lecture	power point	Aminoacids reactions part 1	Amino acids Effects of protein on oral health		2	**12**
Daily exams + self-assessment during the lecture	power point	Aminoacids reactions part 2	Nucleic Acids		2	**13**
Daily exams + self-	power point	Chromatography part 1	Nucleosides, Nucleotides		2	**14**

assessmen t during the lecture						
Daily exams + self-assessmen t during the lecture	power point	Chromatography part 2	Dioxy and ribo Nucliec acids		2	**15**
			Exam			

11. Course Evaluation	
60 degrees for the final exam. 10 degrees for the 1st semester exam. 20 degrees on the mid exam. 10 degrees for the 2nd semester exam.	
12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	The Chemical Basis of Life/ George Schmid
Main references (sources)	The Chemical Basis of Life/ George Schmid
google scholar, google advanced search, free full pdf	
Electronic References, Websites	

Course Description Form

1. Course Name:
Medical Physics / 1th class
2. Course Code:
ISU1105MP
3. Semester / Year:
Year
4. Description Preparation Date:
22/11/2024
5. Available Attendance Forms:
6. Number of Credit Hours (Total) / Number of Units (Total)
180 hours / 6 credits
7. Course administrator's name (mention all, if more than one name)
Theoretical Name: Lect. Dr.Huda Najm Abed Email: Huda.najm@ibnsina.edu.iq Name: Ass.Lec. Abeer mohammed Email: Abeer.mohammed@ibnsina.edu.iq Name: Ass.Lec. Lubaba Abdulkareem Email: lubaba.abdulkareem.g@ibnsina.edu.iq **Practical** Name: Ass.Lec. Abdullah Mohammed Redha Email: abdullahalhusseiny@inbsina.edu.iq Name: Ass.Lec. Ola abd ulkareem nori Email: ola.abdulkareem@ibnsina.edu.iq Name: Ass.Lec. Ali Amir Qasim Email: ali.abdan@ibnsina.edu.iq Name: Ass.Lec. Nada Adnan Sabri Email: nada.adnan.sa@ibnsina.edu.iq Name: Thekra Ridha Hassien Email: thikraridhah@gmail.com
8. Course Objectives

1. Fundamental Concepts: To understand the core physical concepts and principles applied in the field of dentistry.
2. Practical Applications: To apply basic physical principles for an in-depth understanding of fundamental sciences through laboratory experiments.
3. Safety and Security: To learn radiation safety guidelines and adhere to safe practices when using radiological techniques in dentistry.
4. Practical Utilization: To apply acquired knowledge and skills in the field of dentistry, enhancing oral healthcare services.
5. Updates and Development: To stay updated with recent advancements in medical physics and its applications, aiming for continuous improvement in knowledge and performance.

These primary objectives comprehensively contribute to achieving the course goals, developing students' abilities to understand and effectively apply physical concepts related to dentistry in practical settings.

9. Teaching and Learning Strategies

Strategy	1. Microsoft power point lecture method 2. Discussion method. 3. Report method. 4. The hip shop method. 5. Practical training in educational clinics located in the college.

10. Course Structure

Week	Hours	Required Learning Outcomes		Unit or subject name	Learning method	Evaluation method
		Theory	Laboratory			
1	2 Theory 2 Lab.	lect.1 introduction to medical physics	The Graph	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam

2	2 Theory 2 Lab.	lect.2 Forces on and in the Body	Simple Pendulum	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam
3	2 Theory 2 Lab.	lect.3 Mechanics of bones materials	Hook's law	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam
4	2 Theory 2 Lab.	lect.4 Physics of the skeleton	The Stefan-Poltzman law	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam
5	2 Theory 2 Lab.	lect.5 Heat and cold in medicine	Viscosity of Liquid	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam
6	2 Theory 2 Lab.	lect.6 Heat and cold in medicine part 2	Ohm's law	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam

7	2 Theory 2 Lab.	lect.7 Electricity with in the human body part1	Seminars	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam
8	2 Theory 2 Lab.	lect.8 Electricity within the human body part 2	Seminars	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam
9	2 Theory 2 Lab.	lect.9 Energy work and power of the body	Seminars	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam
10	2 Theory 2 Lab.	lect.10 sound in medicine	Seminars	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam
11	2 Theory 2 Lab.	lect.11 Ultrasound in medicine	Seminars	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam

12	2 Theory 2 Lab.	lect.12 Physics of hearing	Seminars	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam
13	2 Theory 2 Lab.	lect.12 Physics of hearing	Seminars	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam
14	2 Theory 2 Lab.	lect.13 Laser in medicine	Seminars	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam
15	2 Theory 2 Lab.	lect.14Physics of eye and vision	Refractive index of glass	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam
16	2 Theory 2 Lab.	lect.15 pressure in medicine	The focal length of the convex lens	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam

17	2 Theory 2 Lab.	lect.16 physics of cardiovascular system	Diffraction laser light	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam
18	2 Theory 2 Lab.	lect.17 Physics of lung and breathing part 1	Focal length of concave mirror	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam
19	2 Theory 2 Lab.	lect.18 Physics of Diagnostic X- ray	The diffraction grating spectrometer	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam
20	2 Theory 2 Lab.	Physics of Diagnostic X-ray -Part 2	Seminars	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam
21	2 Theory 2 Lab.	X-Ray Part 3	Seminars	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam

22	2 Theory 2 Lab.	Physics of Nuclear Medicine-Part 1	Seminars	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam
23	2 Theory 2 Lab.	Physics of Nuclear Medicine-Part 2	Seminars	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam
24	2 Theory 2 Lab.	Radioactivity	Seminars	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam
25	2 Theory 2 Lab.	Radioactivity-Part 2	Seminars	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam
26	2 Theory 2 Lab.	Radioactivity-Part 3	Seminars	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam

27	2 Theory 2 Lab.	Radioactivity-Part 4	Seminars	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam
28	2 Theory 2 Lab.	Physics of Radiation Therapy	Seminars	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam
29	2 Theory 2 Lab.	Radiation Protection in Medicine	Review	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam
30	2 Theory 2 Lab.	Computers in Medicine	Review	Medical Physics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, midyear and final exam

11. Course Evaluation	
Distributing the score out of 100 according to the followings: 20% first and second semesters. 20% mid year exam, 60% final exam (35% theory + 25% Laboratory)	
12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Medical physics (John R. Cameron ,James G. Skofronick)
Main references (sources)	Medical physics (John R. Cameron ,James G. Skofronick)
Recommended books and references (scientific journals, reports...)	1- Introduction to Radiological Physics and Radiation Dosimetry" by Frank H. Attix and Gene W. Almond. 2- "The Essential Physics of Medical Imaging" by Jerrold T. Bushberg, John M. Boone, Edwin M. Leidholdt Jr., and Michael J. Leidholdt. 3- "Radiation Detection and Measurement" by Glenn F. Knoll.
Electronic References, Websites	1. RadiologyInfo.org 2. AAPM (American Association of Physicists in Medicine 3. IAEA (International Atomic Energy Agency 4. Radiopaedia.org 5. MedicalPhysicsWeb 6. eMedicine 7. Khan Academy 8. Physics in Medicine & Biology Journal

Course Description Form

1. Course Name:
computer
2. Course Code:
ISU1106CO
3. Semester / Year:
yearly
4. Description Preparation Date:
20/ 11/ 2024
5. Available Attendance Forms:
by presence
6. Number of Credit Hours (Total) / Number of Units (Total)
30 hour yearly, 1 hour a week/ 2 credit
7. Course administrator's name (mention all, if more than one name)
Name: Hajir Najah Email: hajernajah@ibnsina.edu.iq Doaa Jalood\ Tuqa abdulmohsen\ Safa Riyadh\ Jomanaa Suhail
8. Course Objectives

Course Objectives	• **Preparing qualified graduates to deal with applied software and information technology efficiently to develop students' abilities to invest in the developments in information technology and meet their needs.**

9. Teaching and Learning Strategies

Strategy	

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
30	1 hour		-Computer components HW and		Daily, monthly

			SW -basic Microprocessor &mair memory -I\O data File -Storage Devices -Computer peripherals & extensions -Operating System part 1 -Operating System part 2) -exam -introduction to office -Word 2016 -Spread sheet. -Making PowerPoint Slide show 2016. - students presentation 1 - students presentation 2 -students presentation 3 - computer networks 1 -computer network 2 -The internet 1 - searching the internet -Browsing some useful websites (google) -Cloud Storage -E-mai accounts and communication -Data security part 1 -Data security part 2 -Viruses -Computer errors and troubleshooting		mid and final examination

			exam - - introduction to AI -AI Apps -Ethics AI		

11. Course Evaluation

Distributing the score out of 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 (sources)	Graham Brown, David Watson, "Cambridge IGCSE information and communication technology", 3rd Edition(2020).
Recommended books and references (scientific journals, reports…)	1- Graham Brown, David Watson, "Cambridge IGCSE information and communication technology", 3rd Edition(2020). 2-Alan Evans, Kendall Martin, Mary Ann Poatsy, "Technology in Action Complete", 16th edition 2020. 3- Ahmed Banafa, "introduction to ArtificialIntelligence (AI), 1st edition 2024. 4- الخضر علي الخضر بحاث," اساسيات الحاسوب", 2016 5- "2005,الدكتور عادل عبدالنور، "مدخل الى عالم الذكاء الاصطناعي
Electronic References, Websites	1. Stanford Engineering Everywhere 2. MIT OpenCourseWare · 3. GitHub ·

	4. W3Schools · Codecademy.

Course Description Form

1. Course Name:
Human rights
2. Course Code:
ISU1107HR
3. Semester / Year:
Year
4. Description Preparation Date:
2025/1/19
5. Available Attendance Forms:
My presence only
6. Number of Credit Hours (Total) / Number of Units (Total)
30 hours, one hour per week/ 2 credits
7. Course administrator's name (mention all, if more than one name)
M, Dr. Zahraa Qadri Munhi
8. Course Objectives

Course Objectives	**1- Ensure to focus on national identity, respect it, and work to consolidate principles** **2 - The necessity of loving the country and the people of the country and planting seeds of peaceful coexistence and living in dignity for all components** **3 - Consolidating the principles of human rights, respecting them, and working mature them** **4 - Spreading the culture of accepting others and respecting their religious, politi cultural and social privacy** **5 - The necessity of cooperation with state institutions in order to extend security safety throughout the dear country**

9. Teaching and Learning Strategies

Strategy	**1. Assigning the student to work on submitting the tasks assigned to him** **2. Teamwork, supervising student groups, and communicating with them**

10. Course Structure

Week	Hours	Unit or subject name	Learning method	Evaluation method
1	oneHour	Introduction	Through inside Lesson	Participate in a discussion

	2	oneHour	Chapter One: Human Rights	Explanation and discussion in class	Participate in a discussion
	3	OneHour	Chapter One: Human rights in ancient civilizations	Explanation and description Scientific material	Participate in a discussion
	4	OneHour	The first section: Human rights in Greek and Egyptian civilizations	Explanation and description of the material	Participate in a discussion
	5	OneHour	The first demand is human rights in Greek civilization	Explanation with examples	Participate in a discussion
	6	OneHour	The second requirement is human rights in ancient Egyptian civilization	Explanation with examples	Participate in a discussion
	7	OneHour	The second section: Human rights in Iraq's ancient civilizations	Explanation with examples	Participate in a discussion
	8	OneHour	Chapter Two: Human Rights in Divine Laws and Religions	Explanation with examples	Participate in a discussion
	9	OneHour	The first topic is human rights in the Christian and Jewish religions	Explanation with examples	Participate in a discussion
	10	OneHour	The second section: Human rights	Explanation with examples	Participate in a discussion

			in Islam		
	11	oneHour	Chapter Three: Sources of Human Rights	Explanation with examples	Participate in a discussion
	12	oneHour	The first section: international sources	Explanation with examples	Participate in a discussion
	13	oneHour	The first requirement is the Universal Declaration of Human Rights	Explanation with examples	Participate in a discussion
	14	oneHour	The second requirement is the international covenants on human rights	Explanation with examples	Participate in a discussion
	15	oneHour	The second section: National sources	Explanation with examples	Participate in a discussion
	16	oneHour	The first demand is the French Declaration of the Rights of Man and the Citizen on August 26, 1789	Explanation with examples	Participate in a discussion
	17	oneHour	The second requirement is the French constitutions and declarations that followed the Declaration of Rights of 1789	Explanation with examples	Participate in a discussion

	18	oneHour	The third requirement is the Constitution of the Republic of Iraq of 2005	Explanation with examples	Participate in a discussion
	19	oneHour	Chapter Four: Human Rights Guarantees	Explanation with examples	Participate in a discussion
	20	oneHour	The first section: Human rights guarantees at the internal level	Explanation with examples	Participate in a discussion
	21	oneHour	The first requirement is constitutional guarantees	Explanation with examples	Participate in a discussion
	22	oneHour	The second requirement is judicial guarantees	Explanation with examples	Participate in a discussion
	23	oneHour	The second section: Human rights guarantees in Islam	Explanation with examples	Participate in a discussion
	24	oneHour	The first requirement is to acknowledge the principle of dual responsibility in Islamic society	Explanation with examples	Participate in a discussion
	25	oneHour	The second requirement is the religious character of Islamic law	Explanation with examples	Participate in a discussion

26	oneHour	The third requirement: some Islamic systems that are beneficial to the individual, the group, and the ruling authorities	Explanation with examples	Participate in a discussion
27	oneHour	The third section: Human rights guarantees at the international level	Explanation with examples	Participate in a discussion
28	oneHour	The first requirement is the United Nations Charter	Explanation with examples	Participate in a discussion
29	oneHour	The second demand is the United Nations General Assembly	Explanation with examples	Participate in a discussion
30	oneHour	The third requirement is the Economic and Social Council and the Human Rights Council	Explanation with examples	Participate in a discussion

1. Course Evaluation

1 - Class participation through discussions, interventions, and expressing opinions
2 - By giving them surprise exams and brainstorming to find out the extent of their acceptance of the scientific material
3 - They stand in front of the class and test them with questions from the core of the scientific material and have them explain it
4 - Monthly exams with a focus on giving grades for attendance and absence

2. Learning and Teaching Resources

Course Description Form

1. Course Name:
Medical Terminolgy
2. Course Code:
ISU1108MT
3. Semester / Year:
Year
4. Description Preparation Date:
21 Jan. 2025
5. Available Attendance Forms:
6. Number of Credit Hours (Total) / Number of Units (Total)
15 Hr./ 1 Credit
7. Course administrator's name (mention all, if more than one name)
Name: Asst Prof. Dr.Widad Allawi Saddam **Email: dr.wedad.allawi@ibnsina.edu.iq**
8. Course Objectives

Course Objectives	- Introduce students to the fundamentals of English and Medical Terminology, including their origins. Understand the key components of speech and medical terms, as well as the rules of composition. Explore prefixes, suffixes, and roots of medical terms to enhance vocabulary knowledge. Learn and comprehend common medical abbreviations used in the field. Acquire knowledge of medical terminology related to the human body and its roots. Engage in various activities, including presentations, to enhance English communication skills. Develop skills that foster the student's scientific persona.

	Promote a collaborative and teamwork-oriented attitude among students. Course structure :

9. Teaching and Learning Strategies

Strategy	**1.Microsoft power point lecture** **2. Discussion method.** **3.Report method.** **4.Practical training**

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2 Theory 2 Lab.	Medical Terminology	Medial terminlogy	1.Microsoft power point lecture 2. Discussion method. 3.Report method. 4.Practical training	Weekly Quizzes, Monthly exam, Midyear exam Final exam
2		General terminolgy			
3		Forming Medical Terms			
4		Body Structure			
5		Body Organs			
6		Systems			
7		Systems of the body			
8		Respiratory System			
9		External and Internal Respiration			
10		The lungs			
11		Digestive Systems			
12		Accessory Organs the Glands			
13		Dental Terminology			
14		Common Conditions			
15		Common Conditions			
16		Main Branches of Dentistry			
17		Tooth Surfaces			
18		Dental Term 1			
19		Dental terms 2			
20		Dental trems 3			
21					

11. Course Evaluation

100 Score distributing as a following:

- **1st and 2nd semesters (10 degree)**
- **Midyear Exam (20 degree)**
- **Final Exam (70 degree)**

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	• **"Medical Terminology: A Short Course"** by Davi-Ellen Chabner • **"Exploring Medical Language"** by Myrna LaFleur Brooks • **"Taber's Cyclopedic Medical Dictionary"** • **"Stedman's Medical Dictionary for the Health Professions and Nursing"** •
Main references (sources)	**"The Language of Medicine"** by Davi-Ellen Chabner
Recommended books and references (scientific journals, reports…)	**"Mosby's Medical Terminology Flash Cards"** by Mosby
Electronic References, Websites	

Course Description Form

1. Course Name:
Dental material
2. Course Code:
ISU1201DM
3. Semester / Year:
Year
4. Description Preparation Date:
14\10\2024
5. Available Attendance Forms:
6. Number of Credit Hours (Total) / Number of Units (Total)
90 hours\4credits
7. Course administrator's name (mention all, if more than one name)
Name: Safa Salam Abdulameer Email: Dr.safaalobaidy@gmail.com
8. Course Objectives

Course Objectives	**Theoretically the students will take lectures about the dental material and how can deals w these material and study of the composition and properties of materials and the way in which they interact with the environment** **In lab the students will have introduction to material and their sculpture work in the together with written evaluation.**

9. Teaching and Learning Strategies

Strategy	1- PowerPoint lectures 2- Discussion method 3- Report method 4- Workshop method 5- Practical training in educational clinics in the college

10- Course Structure

weeks	Hours	Required learning outcomes	Unite or subject name	Learning method	Evaluation method
1	1 theory 3 clinical	Introduction to dental material	Dental material	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
2	1 theory 3 clinical	Physical and Mechanical Properties of Dental Materials	Dental material	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
3	1 theory 3 clinical	Stress- strain curve	Dental material	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
4	1 theory 3 clinical	Terminology	Dental material	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
5	1 theory 3 clinical	Impression Materials	Dental material	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
6	1 theory 3 clinical	Impression Materials	Dental material	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams

7	1 theory 3 clinical	Elastic impression material	Dental material	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
8	1 theory 3 clinical	Elastic impression material	Dental material	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
9	1 theory 3 clinical	Waxes and Investments	Dental material	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
10	1 theory 3 clinical	Polymers	Dental material	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
11	1 theory 3 clinical	Investment Materials	Dental material	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
12	1 theory 3 clinical	Relining materials	Dental material	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
13	1 theory 3 clinical	Preventive materials	Dental material	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
14	1 theory 3 clinical	Filling Materials	Dental material	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
15	1 theory 3 clinical	Maxillofacial Prosthesis Materials	Dental material	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
16	1 theory 3 clinical	Dental implant	Dental material	Theoretical lecture using Power Point,	Short, semester,

				discussion, workshop and practical training in educational clinics	mid-term and final exams

11- Course Evaluation
Distribution as follows: 25 marks for daily and monthly exams and practical requirements for the first and second semesters. 15 marks for mid-year exams. 60 marks for final exams = 100 marks

12- Learning and Teaching Resources	
Required textbooks (curricular books, if any)	1-Basic dental material 2-Biocompatibility of dental material
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:
General Anatomy
2. Course Code:
ISU1202GA
3. Semester / Year:
Year
4. Description Preparation Date:
11/11/2024
6. Number of Credit Hours (Total) / Number of Units (Total)
90 hours / 4 credits
7. Course administrator's name (mention all, if more than one name)
Name: Assistant Prof. Sawsan Sahib Hamzah Email: sawsan.sahib@ibnsina.edu.iq
8. Course Objectives
- The student's scientific knowledge regarding human anatomy, especially the anatomy of the head and neck, and completing his specialization in cleaning as a dentist.
9. Teaching and Learning Strategies

Strategy	1. Microsoft power point lecture method 2. Discussion method. 3. Report method.

10. Course Structure					
Week	**Hours**	**Required Learning Outcomes**	**Unit or subject name**	**Learning method**	**Evaluation method**
1	1 theory 2 practices	Scalp	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
2	1 theory	Face	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
3	1 theory	Parotid gland	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
4	1 theory	Facial artery	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
5	1 theory	Temporal fossa and infra temporal fossa	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam

6	1 theory	Temporal fossa and infra temporal fossa	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
7	1 theory	Orbit	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
8	1 theory	Orbit	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
9	1 theory	Nasal cavity	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
10	1 theory	Nasal cavity	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
11	1 theory	Pterygopalatine fossa	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam

12	1 theory	Pterygopalatine fossa	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
13	1 theory	Cranial nerves	General Anatomy	Microsoft power point lecture method, Discussion	Daily, weekly, monthly exam, mid-
14	1 theory	Cranial nerves	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
15	1 theory	Central nervous system	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
16	1 theory	Neck	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
17	1 theory	Neck	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam

18	1 theory	Neck	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
19	1 theory	Pharynx	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
20	1 theory	Alimentary tract	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
21	1 theory	Alimentary tract	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
22	1 theory	Major body vessels	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
23	1 theory	Major body vessels	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam

24	1 theory	Major body vessels	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
25	1 theory	Anatomy of nerve block	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
26	1 theory	Anatomy of nerve block	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
27	1 theory	Anatomy of nerve block	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
28	1 theory	Lymph drainage of head and neck	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
29	1 theory	Lymph drainage of head and neck	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam

30	1 theory	Spaces of head and neck	General Anatomy	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam

11. Course Evaluation

Distributing the score out of 100 according to the followings: 25% first and second semesters. 15% mid year exam, 60% final exam

12. Learning and Teaching Resources

1.Snell's Clinical anatomy 7th edition.

2. Netter's head and neck anatomy for dentistry 2nd edition 2012.

Laboratory sessions

No.	Title of the sessions	Hours
1	Scalp	**2**
2	Face	**2**
3	Parotid gland	**2**
4	Facial artery	**2**
5	Temporal fossa and infra temporal fossa	**2**
6	Temporal fossa and infra temporal fossa	**2**
7	Temporal fossa and infra temporal fossa	**2**
8	Temporal fossa and infra temporal fossa	**2**
9	Orbit	**2**
10	Orbit	**2**
11	Nasal cavity	**2**
12	Nasal cavity	**2**
13	Cranial nerves	**2**
14	Cranial nerves	**2**
15	Central nervous system	**2**
16	Neck	**2**
17	Neck	**2**
18	Neck	**2**
19	Pharynx	**2**
20	Alimentary tract & associated glands	**2**
21	Alimentary tract & associated glands	**2**
22	Alimentary tract & associated glands	**2**
23	Alimentary tract & associated glands	**2**
24	Alimentary tract & associated glands	**2**
25	Main body vessels	**2**
26	Main body vessels	**2**
27	Anatomy of nerve block	**2**
28	Anatomy of nerve block	**2**
29	Lymph drainage of head and neck	**2**
30	Spaces of head and neck	**2**
Total		**60**

Course Description Form

1. Course Name:
General Histology
2. Course Code:
ISU1203GH
3. Semester / Year:
Year
4. Description Preparation Date:
21 Nov. 2024
5. Available Attendance Forms:
6. Number of Credit Hours (Total) / Number of Units (Total)
120 Hr./ 6 credits
7. Course administrator's name (mention all, if more than one name)
Name: Assist Prof. Dr. Reyadh Salim Mohammed Email: reyadhsalim@ibnsina.edu.iq Dr. Ehab Qais Ali Lecturer:- Rajaa Sayhood Assistant lecturer Tagreed Abdulrahmaan Kareem
8. Course Objectives

Course Objectives	**-Teaching student the type of basic or primary tissue in human body.** **-Teaching the systematic histology (histological structure of system)** **- How diagnosis the H and E slides under the light microscope** **- Correlation of Histology with other topics (Physiology, Anatomy, histopathology and immunohistochemistry)**
9. Teaching and Learning Strategies	
Strategy	**1.Microsoft power point lecture** **2. Discussion method.** **3.Report method.** **4.Practical training**

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2 Theory 2 Lab.	Cells, Basic Tissue	General Histology	1.Microsoft power point lecture 2. Discussion method. 3.Report method. 4.Practical training	Weekly Quizzes, Monthly exam, Midyear exam Final exam
2		Epithelial Tissue			
3		Connective Tissue			
4		Respiratory System: conducting portion			
5		Respiratory System: respiratory portion			
6		Urinary System: kidney nephrons, collecting tubules and ducts			
7		Urinary System: ureter, urinary bladder, and male and female urethra			
8		Integumentary System: Skin: epidermis, dermis			
9		Integumentary System: skin glands, hair, and nails			
10		Hemopoiesis: bone marrow			
11		Hemopoiesis: blood cell			
12		Circulatory System			
13		Circulatory System			
14		Lymphoid System			
15		Lymphoid System			
16		Nervous System			
17		Nervous System			
18		Endocrine System			
19		Endocrine System			
20		Endocrine System			
21		Digestive System			
22		Digestive System			
23		Digestive System			
24		Digestive System			
25		Male Reproductive System			
26		Male Reproductive System			
27		Female Reproductive System			
28		Female Reproductive System			
29		Special Sense Organs: eye			
30		Special Sense Organs: ear			

11. Course Evaluation

100 Score distributing as a following:

- **1st and 2nd semesters (20 degree)**
- **Midyear Exam (20 degree)**
- **Final Exam (60 degree)**

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	**Junqueira's Basic Histology Text and Atlas 15th Ed. 2018**
Main references (sources)	**1. Netter's Essential Histology with Correlated Histopathology 3rd ed. 2022** **2. Color Atlas and Text of HISTOLOGY (2018)**
Recommended books and references (scientific journals, reports…)	**1-Wheater's Functional Histology A Text and Colour Atlas 6th Ed. 2014** **2-Histology A Text and Atlas with Correlated Cell and Molecular Biology 7th ed. 2016**
Electronic References, Websites	

نموذج وصف المقرر

1. اسم المقرر:	
الكيمياء الحياتية	
2. رمز المقرر:	
ISU1204BC	
3. الفصل / السنة:	
سنوي	
4. تاريخ إعداد هذا الوصف	
21 كانون الثاني 2025	
5. أشكال الحضور المتاحة :	
حضوري فقط	
6. عدد الساعات الدراسية (الكلي)/ عدد الوحدات (الكلي):	
120 ساعة سنوياً. 4 ساعة اسبوعياً (2 ن + 2 ع)/ 6 وحدات	
7. اسم مسؤول المقرر الدراسي (اذا اكثر من اسم يذكر)	
الاسم: م. د. نادية نوري حسن nadianoori114@gmail.com م.د.براء احمد سعيد م.د.احمد عبدالرحيم ابراهيم	
8. اهداف المقرر	
مدخل الى الكيمياء الحياتية وفهم المسارات الحيوية داخل الجسم الحي والعمليات الايضية التي تجري داخل الجسم الحي والاضرار الناجمة عن الخلل بها – اكتساب الطالب معرفة تقارب التامة في ماهية المواد الكيميائية ودورها في وظائف الجسم وفوائدها ومضّارها – الاستفادة من توظيف هذه المعرفة في مجال اختصاصه – تطوير مهاراته وتجنب الأخطاء في مجال اختصاصه من خلال المامه بالمسارات الحيوية داخل الجسم	
9. استراتيجيات التعليم والتعلم	
الاستراتيجية	-1استراتيجية التعليم تخطيط المفهوم التعاوني. -2استراتيجية التعليم العصف الذهني. -3استراتيجية التعليم سلسلة الملاحظات

10. بنية المقرر

الأسبوع	الساعات	مخرجات التعلم المطلوبة	اسم الوحدة او الموضوع	طريقة التعلم	طريقة التقييم
		بنية المقرر (الفصل الدراسي الاول للنظام السنوي)):-			
1	2 نظري 2 عملي	Enzymes: Definition ,Terminology , and Classification 2	الكيمياء الحياتية	محاضرة PPT مختبر عملي كتابة تقرير مناقشات يومية	امتحانات أسبوعية امتحان شهري امتحان نصف السنة امتحان نهاية السنة
2		2 Mechanism of enzyme action 2			
3		3 Clinical significance of enzyme assays 2			
4		4 Vitamins, definition, classification 2			
5		5 Digestion and absorption of carbohydrates, lipids, and proteins 2			
6		6 Chemistry of carbohydrates 2			
7		7 Metabolism of Carbohydrates: part 1 2			
8		8 Metabolism of Carbohydrates :part 2 2			
9		9 Carbohydrates metabolism regulation 2			
10		10 Chemistry of Proteins and amino acids 2			
11		11 Metabolism of Proteins and amino acids 2			
12		12 Metabolism of Protein and amino acid regulation 2			
13		13 Metabolism of Protein and amino acid inherited disorder 2			
14		14 electrolytes 2			
15		15Exam			
16		**2 - بنية المقرر (الفصل الدراسي الثاني للنظام**			

			السنوي) :-		
17			Lipid: definition, classification 2		
18			16 Metabolism of Lipid:		
19			17 oxidation of Fatty Acids 2		
20			18 Biosynthesis of Fatty Acids 2		
21			Integration of metabolism of carbohydrates, lipid, and Proteins		
22			20 Integration of metabolism of carbohydrates, lipid ,and Proteins 2		
23			21 Metabolism of Purines and pyrimidines		
24			22 Metabolism of Purines and pyrimidines disorder 2		
25			23 Nucleic Acids Definition and Protein synthesis 2		
26			Hormone definition, classification		
27			Hormone disorder 2		
28			Acid-base balance 2		
29			25 Trace elements disorder 2		
30			26 Salivary secretion(saliva), Pancreatic juice 2		
			Exam		

تقييم المقرر

100 درجة موزعة كالاتي

ف1 + ف2 (20 درجة)/ نصف السنة 20 درجة / نهاية السنة 60 درجة

11. مصادر التعلم والتدريس

الكتب المقررة المطلوبة (المنهجية أن وجدت)	Lippincott's Illustrated Biochemistry, Reviews/ Richared Harvey and Denise Ferrier
المراجع الرئيسة (المصادر)	Lippincott's Illustrated Biochemistry, Reviews/ Richared Harvey and Denise

	Ferrier
الكتب والمراجع الساندة التي يوصى بها (المجلات العلمية، التقارير....)	"Leninger's Principles of Biochemistry
المراجع الإلكترونية ، مو اقع الانترنيت	

Course Description Form

1. Course Name:
General Physiology
2. Course Code:
ISU1205GP
3. Semester / Year:
Year
4. Description Preparation Date:
21 Nov. 2024
5. Available Attendance Forms:
6. Number of Credit Hours (Total) / Number of Units (Total)
120 Hr./ 6 credits
7. Course administrator's name (mention all, if more than one name)
Name:lecturer Dr. Ahmed Tallal Enad Email: ahmed.talal.g@ibnsina.edu.iq Assistant lecturer Noor Ali ZAYED Assistant lecturer Noor Ali SAMLAN Assistant lecturer TABARK ALI HASAN Assistant lecturer MAYS HUSSIEN Assistant lecturer ATYAF ADNAN Assistant lecturer RAGAHAD HASAN NAFAL
8. Course Objectives

Course Objectives	**-Teaching student the physiology of basic or primary tissue in human body.** **-Teaching the systematic mechanism of organs** **- How diagnosis the physiological changes** **- Correlation of physiology with other topics (histology, Anatomy, histopathology and histochemistry)**
9. Teaching and Learning Strategies	
Strategy	**1.Microsoft power point lecture** **2. Discussion method.** **3.Report method.** **4.Practical training**

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2 Theory 2 Lab.	Introduction (Function organization of the human (body,	General physiology	1.Microsoft power point lecture 2. Discussion method. 3.Report method. 4.Practical training	Weekly Quizzes, Monthly exam, Midyear exam Final exam
2		Body fluid			
3		Blood			
4		Blood cells			
5		Coagulation system			
6		Cardiology 1			
7		Cardiology 2			
8		Cardiology 3			
9		Integumentary System: skin glands, hair, and nails			
10		Hemopoiesis: bone marrow			
11		Hemopoiesis: blood cell			
12		Circulatory System			
13		Circulatory System			
14		Lymphoid System			
15		Lymphoid System			
16		Nervous System			
17		Nervous System			
18		Endocrine System			
19		Endocrine System			
20		Endocrine System			
21		Digestive System			
22		Digestive System			
23		Digestive System			
24		Digestive System			
25		Male Reproductive System			
26		Male Reproductive System			
27		Female Reproductive System			
28		Female Reproductive System			
29		Special Sense Organs: eye			
30		Special Sense Organs: ear			

11. Course Evaluation

100 Score distributing as a following:

- **1st and 2nd semesters (20 degree)**
- **Midyear Exam (20 degree)**

▪ **Final Exam (60 degree)**

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	**Guyton and Hall medical physiology 12th edition**
Main references (sources)	**Essential of physiology for dental students**
Recommended books and references (scientific journals, reports…)	**Wheater's Functional physiology A Text and Colour Atlas 6th Ed. 2014**
Electronic References, Websites	HARVARD UNIVERSITY OP SOURCES

Course Description Form

1. Course Name:
Oral histology and Embryology
2. Course Code:
ISU1206OH
3. Semester / Year:
YEAR
4. Description Preparation Date:
25\11\2024
5. Available Attendance Forms:
ATTEND
6. Number of Credit Hours (Total) / Number of Units (Total)
120 hours/ 6 Credits
7. Course administrator's name (mention all, if more than one name)
Name: NOOR ABDULKAREEM Email: noor.abd@ibnsina.edu.iq
8. Course Objectives

Course Objectives	• **EDUCATION OF HISTOLOGIC SECTIONS…..** • **LEARNTOOTH DEVELOPMENT..** • **MAXILLOFACIAL EMBYROLOGY**
9. Teaching and Learning Strategies	
Strategy	Enabling the students to balance between relevant theoretical and diagnostic knowledge and their practical skills, and ensure having problem solving abilities for dental conditions

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Embyroinic development	Embryogenesis: firs week, ovulation, fertilization and implantation	PowerPoint presentation an discussion	Written oral exa with rep
2	2	Embyroinic development	2nd week,Bilamina germ layer	PowerPoint presentation an discussion	Written oral exa with rep
3	2	Embyroinic development	3rd week trilaminar germ layer: gastrulation and neurulation	PowerPoint presentation an discussion	Written oral exa with rep
4	2	Embyroinic development	(Development of he and neck(pharynge arch,pouch & cleft	PowerPoint presentation an discussion	Written oral exa with rep
5	2	Embyroinic development	Development of fac and anomalies	PowerPoint presentation an discussion	Written oral exa with rep
6	2	Embyroinic development	Development of tongue and anomali	PowerPoint presentation an discussion	Written oral exa with rep
7	2	Embyroinic development	Development of pa and anomalies	PowerPoint presentation an discussion	Written oral exa with rep
8	2	Histological education	Slide preparation	PowerPoint presentation an discussion	Written oral exa with rep
9	2	Tooth developments	Tooth development and developmental disturbances of teet	PowerPoint presentation an discussion	Written oral exa with rep
10	2		Dentinogenesis and dentin structure 2	PowerPoint presentation an discussion	Written oral exa with rep
11	2		Amelogenesis, Ena structures 2	PowerPoint presentation an discussion	Written oral exa with rep
12	2		Clinical considerati for dentin and enam 2	PowerPoint presentation an discussion	Written oral exa with rep
13	2		Dental Pulp 2	PowerPoint presentation an discussion	Written oral exa with rep
14	2		Cementum and clin consideration	PowerPoint presentation an discussion	Written oral exa with rep
15	2		Root formation& Cementogenesis 2	PowerPoint presentation an discussion	Written oral exa with rep
16	2		Periodontal ligamer	PowerPoint presentation an discussion	Written oral exa with rep
17	2		Principles fiber of and gingival fibers	PowerPoint presentation an discussion	Written oral exa with rep
18	2		Alveolar bone	PowerPoint presentation an discussion	Written oral exa with rep
19	2		Bone formation and resorption	PowerPoint presentation an	Written oral exa

				discussion	with rep
20	2		Proteins involve in mineralization of b and dentin	PowerPoint presentation an discussion	Written oral exa with rep
21	2		Oral mucosa and th types	PowerPoint presentation an discussion	Written oral exa with rep
22	2		Gingiva and dentogingival junct	PowerPoint presentation an discussion	Written oral exa with rep
23	2		Eruption of teeth	PowerPoint presentation an discussion	Written oral exa with rep
24	2		Salivary gland 2	PowerPoint presentation an discussion	Written oral exa with rep
25	2		Shedding of teeth	PowerPoint presentation an discussion	Written oral exa with rep
26 27	2		Maxillary sinus	PowerPoint presentation an discussion	Written oral exa with rep
28	2		Salivary gland	PowerPoint presentation an discussion	Written oral exa with rep
29	2		Salivary proteins 2	PowerPoint presentation an discussion	Written oral exa with rep
30	2		TMJ	PowerPoint presentation an discussion	

11. Course Evaluation

Distributing the score out of 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 (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course description form

١. Course Name :	
prosthodontics	
٢. Course Code	
ISU1207PD	
٣. Semester/ year	
Year	
٤. Date this description was prepared	
2024-2025	
٥. A. Available attendance forms	
weekly	
٦. Number of study hours (total)/number of units (total)	
30 Theoretical + 120 Laboratory= (150 hours) / 6 Credits	
٧. Name of the course administrator	
Name: -:Assist. Lect. Yas mohammed	
٨. Course objectives	
Objectives of the study subject	**1- Enable the learner to acquire skills and knowledge in diagnosis, treatment planning and management of edentulous patients.** **2- At the end of the course, the learner will be able to diagnose and manage edentulous patients.** **3- Perform laboratory procedures relevant to complete denture prosthetics.**
٩. Teaching and learning strategies	
The strategy	1. Lectures one lecture per week (1 hour duration) 2. Lab one lab per week (4 hours duration)

Course structure ١٠					
the week	**hours**	**Required learning outcomes**	**Name of the unit or topic**	**Learning method**	**Evaluation method**
First	1	Complete denture Objective of complete denture General consideration in complete denture construction Complete denture component parts	Introduction	Lectures using data show	quizzes, semester exams and final exams
second	1	Anatomical landmarks Maxillary arch anatomical landmarks Supporting structures Limiting structures Relief areas	Anatomical landmarks	Lectures using data show	quizzes, semester exams and final exams
third	1	Anatomical landmarks Mandibular arch anatomical landmarks Supporting structures Limiting structures Relief areas	Anatomical landmarks	Lectures using data show	quizzes, semester exams and final exams
fourth	1	• Impression tray - Definition • Parts of the impression tray • Types of tray • Stock tray – Definition • Types of stock trays • Factors effect in selection of stock	Complete Denture Impression	Lectures using data show	quizzes, semester exams and final exams

		tray			
Fifth	1	Special tray Advantages of special tray Materials used for construction of special tray Types of special tray Techniques or methods for construction of special tray Criteria for special tray construction	Complete Denture Impression	Lectures using data show	quizzes, semester exams and final exams
sixth	1	• Dental impression - Definition • Complete denture impression - Definition • Objective of impression making • Primary impression - Definition • Materials used for making primary impression • Primary cast - Definition • Production of study cast • Secondary impression - Definition • Master cast- Definition • Materials used for final impression • Technique used for making final impression • Boxing an impression and making the casts • Advantages of boxing • Common fault in impression making	Complete Denture Impression	Lectures using data show	quizzes, semester exams and final exams
Seventh	1	• Record base - Definition • Requirements of record base • Types of materials used in construction of record base	Record Base	Lectures using data show	quizzes, semester exams and final exams
Eight	1	• Occlusion rims -	Occlusion Rims	Lectures	quizzes,

		Definition • Requirements of occlusion rim • Materials used in construction of occlusion rim • Measurements of maxillary occlusion rim • Measurements of mandibular occlusion rim • Uses of occlusion rim • Occlusal plane • Fox – bite		using data show	semester exams and final exams
Ninth	1	• Temporomandibular joint (TMJ) – Definition • Ligaments • Muscles	Anatomy And Physiology Of Temporomandibular Joint	Lectures using data show	quizzes, semester exams and final exams
Tenth	1	• Mandibular axes and mandibular movements • Knowledge of mandibular movements • Mandibular movements	Anatomy And Physiology Of Temporomandibular Joint	Lectures using data show	quizzes, semester exams and final exams
eleventh	1	Types of jaw relation Vertical jaw relation Rest position Inter – occlusal distance Importance of vertical dimension Increased vertical dimension Decreased vertical dimension	Maxillomandibular relation	Lectures using data show	quizzes, semester exams and final exams
twelfth	1	• Method of recording rest vertical	Methods Of Recording Vertical	Lectures using data	quizzes, semester

		dimension • Method of recording occlusal vertical dimension • Pre – extraction records • Methods without pre – extraction record	Relation	show	exams and final exams
Thirteenth	1	• Centric jaw relation Importance of centric jaw relation Methods of recording jaw relation Factors that complicates centric jaw relation Methods of recording eccentric jaw relation	Horizontal Jaw Relation	Lectures using data show	quizzes, semester exams and final exams
fourteenth	1	Dental articulator Definition Functions of articulator Requirements of articulator Types of articulator	Dental Articulators (Classification & Digital computerized articulator programming)	Lectures using data show	quizzes, semester exams and final exams
Fifteenth	1	Face- bow Definition Parts of face – bow Types of face – bow Important of the face – bow	Face – Bow	Lectures using data show	quizzes, semester exams and final exams
sixteen	1	Mounting Definition Preparation of articulator Preparation of the casts and mounting the upper cast on CL II articulator Mounting the lower cast Errors occurred	Mounting	Lectures using data show	quizzes, semester exams and final exams

		during mounting			
seventeenth	1	Selection of anterior teeth The factors of shade selection Size selection a. b. Width Length Form selection Materials of anterior teeth Difference between acrylic and porcelain teeth	Selection Of Artificial Teeth	Lectures using data show	quizzes, semester exams and final exams
eighteen	1	Shade Bucco-lingual width Mesio-distal length Occluso-gingival height Occlusal form Advantages of casp form teeth Advantages of non- cusp form teeth	Selection Of Artificial Teeth	Lectures using data show	quizzes, semester exams and final exams
nineteenth	1	Guideline of artificial teeth arrangement Arrangement of anterior teeth Arrangement of upper anterior teeth	Arrangement Of Artificial Teeth	Lectures using data show	quizzes, semester exams and final exams
twentieth	1	• Curve of Spee • Compensatory curves • Arrangement of lower posterior teeth • Arrangement of upper posterior teeth • Common errors in arrangement of teeth	Arrangement Of Artificial Teeth	Lectures using data show	quizzes, semester exams and final exams
Twenty –first	1	Waxing Definition Requirements of waxing the polish surfaces The procedure of waxing Establishing the posterior palatal seal area Procedure for carving of posterior palatal seal area	Waxing And Carving	Lectures using data show	quizzes, semester exams and final exams

		Advantages of posterior palatal seal • Esthetic consideration in complete denture			
Twenty - second	1	Occlusion Occlusion of complete denture Centric occlusion Centric relation	Complete Denture Occlusion	Lectures using data show	quizzes, semester exams and final exams
Twenty - third	1	Eccentric occlusion Concepts of complete denture occlusion Try-in appointment	Complete Denture Occlusion	Lectures using data show	quizzes, semester exams and final exams
Twenty - fourth	1	Flasking of the denture Flasking techniques	Processing Of The Denture (Flasking)	Lectures using data show	quizzes, semester exams and final exams
Twenty –fifth	1	Causes of errors in occlusion • Selective grinding • Correction of occlusal errors • Disadvantages of intra – oral correction • Advantages of extra – oral correction • Rules for selective grinding	Occlusal Correction	Lectures using data show	quizzes, semester exams and final exams
twenty-sixth	1	Procedure of finishing Grinding and cutting instruments Polishing of complete denture Principles of polishing Procedures of polishing	Finishing And Polishing Of Complete Denture	Lectures using data show	quizzes, semester exams and final exams
twenty-seventh	1	Types of material used in repair Causes of denture fracture Types of repair Laboratory procedure for repairing fractured denture base	Repair Of Complete Denture	Lectures using data show	quizzes, semester exams and final exams
twenty-eight	1	Replacement of broken or missing tooth Replacement of missing or lost part Requirement of repair	Repair Of Complete Denture	Lectures using data show	quizzes, semester exams and final exams
twenty-nine	1	Indication for relining or rebasing Relining	Relining And Rebasing	Lectures using data show	quizzes, semester exams

		Contraindications of relining and rebasing The impression techniques for relining and rebasing			and final exams
thirty	1	Laboratory procedures for relining Rebasing The chair – side reline technique	Relining And Rebasing	Lectures using data show	quizzes, semester exams and final exams

١١. Course evaluation

Quizzes & Attendance	2 marks per term / total 4/40
1st semester	12.5 marks
Med exams	15 marks
2nd semester	12.5 marks
Final exam written	40 marks
Final exam practical	20 marks

١٢. Learning and teaching resources

Textbook of complete denture 6^{th} edition updated 2009	
Dental laboratory technology for removable prosthodontics	

Laboratory sessions

No.	Title of the sessions	Hours
1	Clinical and laboratory steps of complete denture construction	4
2	Taking primary impression on metal mold by impression compound and beading and boxing and pouring by dental plaster	4
3	Pouring on rubber mold (upper and lower primary cast)	4
4	Description of anatomical landmarks (maxillary and mandibular arch)	4
5	Demonstration of making upper and lower special tray by cold cure Acrylic	4
	Finishing and polishing of special tray and evaluation	4
6	Demonstration of taking final impression and construction of master cast	4
7	Evaluation of record base construction, finishing and polishing	4
8	Bite rims construction (upper and lower arch)	4
9	Pouring on rubber mold (upper and lower primary cast)	4
10	Demonstration of face bow and fox bite and description of types of jaw Relation	4
11	Description about the methods of recording vertical jaw relation	4

12	Description about the methods of recording horizontal jaw relation	4
13	Demonstration about the types of articulators, parts, its uses and action	4
14	Mounting of upper and lower casts on articulators	4
15	Mounting of upper and lower casts on articulators (continue) and evaluation of the student work	4
16	Description the methods of selection of anterior and posterior teeth for complete denture	4
17	Demonstration about arrangement of upper and lower anterior teeth	4
18	Arrangement of upper and lower anterior teeth (continue) and evaluation of the student work	4
19	Demonstration about arrangement of upper and lower posterior teeth	4
20	Arrangement of upper and lower posterior teeth(continue).	4
21	Arrangement of posterior teeth and carving of posterior palatal seal and evaluation of the student work	4
22	Demonstration about carving and waxing of upper complete denture.	4
23	Carving and waxing of lower complete denture (continue) and evaluation of the student work	4
24	Flasking and investment of the denture	4
25	Wax elimination, packing and curing of heat cure acrylic	4
26	Deflasking ,finishing and polishing of upper complete denture	4
27	Deflasking ,finishing and polishing of lower complete denture (continue)	4
28	Demonstration of selective grinding	4
29	Repair of fracture denture	4
30	Repair of missing tooth	4
Total		120

Course Description Form

1. Course Name:
The crimes of the Baath regime
2. Course Code:
ISU1208BC
3. Semester / Year:
Quarterly
4. Description Preparation Date:
2025/1/19
5. Available Attendance Forms:
My presence only
6. Number of Credit Hours (Total) / Number of Units (Total)
30 hours, one hour per week/ 2 Credits
7. Course administrator's name (mention all, if more than one name)
Lec., Dr. Zahraa Qadri Munhi
8. Course Objectives

Course Objectives	**To identify and learn about a group of crimes committed by the defunct and dissol Baath Party against the Iraqi people and from various components of its spectr and to establish awareness among students to reject all forms of injustice and tyra of these regimes and to demand all civil and political rights.**

9. Teaching and Learning Strategies

Strategy	**Giving lectures and using the method of discussion and dialogue**

10. Course Structure

Week	Hours	Required learning outcomes	Unit or subject name	Learning method	Ev m
1	oneHour	The student learned about the Baath crimes according to the Iraqi Criminal Court law	Baath crimes according to the Iraqi Criminal Court law	Giving the lecture	

2	oneHour	To distinguish between the concept of crimes and their categories	To distinguish between the concept of crimes	Giving the lectur	
3	OneHour	To clarify the term and language to the student	To clarify the term and language to the student	Giving the lecture	
4	OneHour	Taha Clarif th Term at Langj Taha th Studna	th Term at Langj Taha th Studna	Giving the lecture	
5	OneHour	To learn about the types of international crimes	To learn about the types of international crimes	Giving the lecture	
6	OneHour	To learn about the decisions issued by the Criminal Court	To learn about the decisions issued by the Criminal Court	Giving the lecture	
7	OneHour	To learn about psychological and social crimes and the most prominent violations of the Baath Party	To learn about psychological and social crimes and the most prominent violations of the Baath Party	Giving the lecture	
8	OneHour	To identify of psychological crimes	To identify of psychological crimes	Giving the lecture	
9	OneHour	To identify the effects of psychological crimes	To identify the effects of psychological crimes	Giving the lecture	
10	OneHour	To identify the effects of psychological crimes	To identify the effects of psychological crimes	Giving the lecture	

11	oneHour	To learn about social crimes	To learn about social crimes	Giving the lecture	
12	oneHour	To clarify the concept of militarization of society	To clarify the concept of militarization of society	Giving the lecture	
13	oneHour	To learn about the Baath position on religion	To learn about the Baath position on religion	Giving the lecture	
14	oneHour	To identify violations of Iraqi laws	To identify violations of Iraqi laws	Giving the lecture	
15	oneHour	To learn about pictures of human rights violations	To learn about pictures of human rights violations	Giving the lecture	
16	oneHour	To learn about some decisions of political violations	To learn about some decisions of political violations	Giving the lecture	
17	oneHour	To learn about prison and detention locations	To learn about prison and detention locations	Giving the lecture	
18	oneHour	To learn about the environmental crimes of the Baath regime	To learn about the environmental crimes of the Baath regime	Giving the lecture	
19	oneHour	To learn about military pollution	To learn about military pollution	Giving the lecture	
20	oneHour	To learn about the destruction of cities and villages	To learn about the destruction of cities and villages	Giving the lecture	
21	oneHour	To learn about drying marshes	To learn about drying marshes	Giving the lecture	
22	oneHour	To learn about razing	To learn about razing	Giving the lecture	

		orchards	orchards		
23	oneHour	To learn about cemeteries	To learn about cemeteries	Giving the lecture	
24	oneHour	To learn about the events of extermination cemeteries	To learn about the events of extermination cemeteries	Giving the lecture	
25	oneHour	To learn about the events of extermination cemeteries	To learn about the events of	Giving the lecture	
26	oneHour	Show photographic documents of crimes	Show photographic documents of crimes	Giving the lecture	
27	oneHour	To learn about the presentation of criminal court decisions	View criminal court decisions	Giving the lecture	
28	oneHour	To learn about the accusations leveled against Saddam and his aides	The accusations leveled against Saddam and his aides	Giving the lecture	
29	oneHour	Show photographic documents of crimes	Show photographic documents of crimes	Giving the lecture	
30	oneHour	Show photographic documents of crimes	Show photographic documents of crimes	Giving the lecture	

1.	2. Course Evaluation	
	Distribution of the grade out of 100 according to the tasks assigned to the student, such as daily preparation and daily, oral, and monthly exams	
3.Learning and Teaching Resources		
The crimes of the Baath regime in Iraq		

Course Description Form

1. Course Name:
Community dentistry
2. Course Code:
ISU1301CD
3. Semester / Year:
Year
4. Description Preparation Date:
1/11/2024
5. Available Attendance Forms:
Attending only
6. Number of Credit Hours (Total) / Number of Units (Total)
90hours/year / 4 Credits
7. Course administrator's name (mention all, if more than one name)
Name: raya rashid abid Email: raya.aldafaai.g@ibnsina.edu.iq
8. Course Objectives
Course Objectives 1. Teaching the basic principles of epidemiological research procedures 2. Teaching the basic principles of life statistics 3. Teaching the principles of clinical examination for common diseases in dentistry and practical training in educational clinics 4. Training on the standards used to evaluate common diseases in dentistry 5. Learn about preventive programs in community medicine 6. Learn about sterilization and forensic methods • …..
9. Teaching and Learning Strategies

Strategy	• Presentation of lectures • Discussion • Practical training to examine common diseases in dentist and use dental indices

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
30 week	One the and practical week	Dental public hea Dental public car Epidemiology Epidemiological studies Experimental studies Epidemiology dental caries Epidemiology Periodontal Disea Epidemiology Oral Cancer Dental indices Indices used assessment dental caries Indices used assessment periodontal disea Dental fluorosis Biostatistics Data presentatio Measures of cent tendency dispersion ---------- Fluoridation as public hea measure Fluoridation Mechanism a Effects Occupational hazards in dentis Environment a health effects of pollution on heal School De Health Program Treatment ne	Community dentistry	• Presentation lectures • Discussion • Practical training examine comm diseases in dentis and use dental indic	Weekly, mont and daily exa (written a practical), m year and fi exams.

		and demand Manpower Ethics in dentistr Oral health care special populatio forensic dentistry Dental auxili personal Primary health ca Infection control dental hea education			

11. Course Evaluation

The annual endeavor is 40 , the final practical exam is 25, and the final theoretical exam is 35

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Preventive and Community Dentistry Public He DentistryThird Edition. - A Textbook of Public He Dentistry, CM Marya, JAYPEE BROTHERS MEDIC PUBLISHERS (P) LTD,2011
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

1. Course Name:
Dental Radiology
2. Course Code:
ISU1302DR
3. Semester / Year:
Year
4. Description Preparation Date:
22/11/2024
5. Available Attendance Forms:
Attendance
6. Number of Credit Hours (Total) / Number of Units (Total)
90hours / 4 units
7. Course administrator's name (mention all, if more than one name)
Name: lecturer Noor Hashem Mohammad Email: noor.hashem.g@ibnsina.edu.iq
8. Course Objectives

Course Objectives	**- The aim is to qualify trained dentists to use various X-ray machines and systems and how to deal with radiation hazards as well as how to describe, read and diagnose various types of X-ray films and teach students how to deal with patients and prepare them for clinical work in the next stage.**
9. Teaching and Learning Strategies	
Strategy	• Theoretical lectures. • Scientific discussions and seminars. • Use of LCD screens. • Use of visual aids such as X-ray films and videos. • Working in clinics, dealing with patients, and taking X-ray films for various medical conditions.

10. Course Structure

Week	Hours	Required learning outcomes	Unit or subject name	Learning method	Evaluation method
1	1	Physics of radiation (Introduction and definitions of nature of radiation, type of radiation)	Oral &maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar
2	1	Production of radiation (x-ray machine, interaction of x-ray with matter) composition of matter	Oral &maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar
3	1	Film imaging (types of x- ray films, processing cycle, dark room, intensifying screen	Oral &maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar
4	1	Factors controlling x-ray beam, dosimetry and invers square low	Oral &maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar

5	1	Projection geometry (sharpness, distortion, image characteristic and artifacts)	Oral &maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar
6	1	Biological effects of radiation (direct & indirect effects, determistic and stochastic effect)	Oral &maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar
7	1	Safety and Protection (source of exposure, dose limits, exposure and risk and reducing dental exposure)	Oral &maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar
8	1	Intraoral projection (periapical, bitewing, and occlusal radiography)	Oral &maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar
9	1	Digital radiography (strength, limitations, comparing with conventional radiography	Oral &maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar

		and indications			
10	1	Patient's management (management of pt. Child, contrast media & localization technique	Oral &maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar
11	1	Cephalometric imaging (technique, indications, evaluation of the image	Oral &maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar
12	1	Panoramic radiography (principles, technique, position and interpretation)	Oral &maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar
13	1	Craniofacial imaging (types, indication and interpretation	Oral &maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar
14	1	CBCT (principles, components, strength and limitations).	Oral &maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and

					Final exams& seminar
15	1	CBCT (clinical applications in maxillofacial region, anatomy and interpretations).	Oral &maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar
16	1	Radiographic anatomy part1(teeth, supporting dental structures, maxilla and midfacial bones)	Oral &maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar
17	1	Radiographic anatomy part 2(mandible, TMJ, base of skull, air way, restorative materials)	Oral &maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar
18	1	Advanced imaging modalities (CT, MRI and ULTRASOUND)	Oral &maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar
19	1	Radiography &Implantology (modalities, indications)	Oral maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar

20	1	Infection control (infection control in radiography clinic, protection of pt., protection of workers)	Oral &maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar
21	1	Prescribing diagnostic imaging (radiologic examination and guide lines for ordering imaging)	Oral &maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams & seminar
22	1	Radiographical interpretations of common diseases (interpretation of dental caries, and periodontal disease	oral &maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar
23	1	Cysts of the jaw (odontogenic and non-odontogenic cysts)	Oral &maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar
24	1	Dental anomalies (acquired and developmental)	Oral &maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams&

					seminar
25	1	Inflammatory conditions of the jaws (periapical inf disease, osteomyelitis, pericoronitis)	Oral &maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar
26	1	Trauma (dento alveolar trauma, dental fractures and bone fractures	oral maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar
27	1	TMJ abnormalities (anatomy of TMJ, application)	oral maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar
28	1	Salivary gland disease (imaging modalities, interpretation)	oral maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar
29	1	Craniofacial anomalies (Cleft lip and palate)	oral maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams&

					seminar
30	1	Computed tomography (indications, strength, limitations)	oral maxillofacial radiology	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams& seminar
Total	30				

Clinical requirements

Number	Title of clinical requirements	Hours
1	Fundamentals of radiology: component of the X-ray machine and production of X-ray	**2**
2	X-ray film (types and indication)	**2**
3	Intraoral techniques (periapical, bite-wing and occlusal films)	**2**
4	Ideal radiograph	**2**
5	Land marks (maxilla, mandible)	**2**
6	Dental panoramic radiography (indication and anatomy)	**2**
7	CBCT (indication and anatomy)	**2**
8	Cephalometric (indication and anatomy)	**2**
9	Common diseases (caries, PDL)	**2**

10	Cyst (odontogenic and nonodontogenic)	**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**
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**

11. Course Evaluation

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

Annual quest: 20% are distributed as follows;
5% Clinical Requirements
5% Quizzes
5% Seminars
5% Written exam
20% written Midterm exam
60% of Final exams are distributed as follows:
10% clinical exam
15% Practical slides exam
35% Written

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	**White and Pharoah's Oral radiology principles and interpretation. Sanjay Mallya and Ernest Lam. 8th edition. 2019, Elsevier.**
Main references (sources)	**Ghom, Anil Govindrao. Textbook of oral radiology-E-Book. 2016, Elsevier Health Sciences.**

Recommended books and references (scientific journals, reports...)	1-**Fundamentals of oral radiology.** 2-**Essentials of Dental Radiography and Radiology.**
Electronic References, Websites	**College Official Website**

Course Description Form

1. Course Name:
General pathology
2. Course Code:
ISU1303GP
3. Semester / Year:
Year
4. Description Preparation Date:
21−11−2024
5. Available Attendance Forms:
Attendance
6. Number of Credit Hours (Total) / Number of Units (Total)
120 hours/ 6 Credits
7. Course administrator's name (mention all, if more than one name)
Name: Assit.Proph.Dr. Rand Mazin Anwar **Email: Rend.m79@gmail.com**
8. Course Objectives

To addresses the essential need for students to understand the concepts of the pathogenesis of major human diseases and provides students with important background knowledge to understand the principles of major organ diseases in human body.	

9. Teaching and Learning Strategies	
Strategy	**- Theoretical lectures** **- Scientific discussion and seminars** **- Lab sessions**

10.Course Structure

Week	Hours	Required learning outcomes	Unit or subject name	Learning Method	Evaluation method
1	2 hours	Introduction to general pathology and biopsy Adaptation	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar
2	2 hours	cell injury & cell death Necrosis, apoptosis	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar
3	2 hours	Intracellular accumulation Pigmentation Cell aging	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar
4	2 hours	Inflammation Acute inflammation Inflammatory mediator	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar
5	2 hours	Chronic inflammation	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar

6	2 hours	**Wound healing and repair** **Primary healing** **Bone healing** **Factors and complications**	**General pathology**	**Power Point Lectures**	**Quiz, semester, Mid-term and Final exam & seminar**
7	2 hours	**Hemodynamic pathology** **Thrombosis** **Embolism**	**General pathology**	**Power Point Lectures**	**Quiz, semester, Mid-term and Final exam & seminar**
8	2 hours	**Infarction** **Shock** **Edema**	**General pathology**	**Power Point Lectures**	**Quiz, semester, Mid-term and Final exam & seminar**
9	2 hours	**Neoplasia** **Molecular basis of cancer**	**General pathology**	**Power Point Lectures**	**Quiz, semester, Mid-term and Final exam & seminar**
10	2 hours	**Benign &malignant tumors** **Staging & grading** **Medical effects of cancer**	**General pathology**	**Power Point Lectures**	**Quiz, semester, Mid-term and Final exam & seminar**
11	2 hours	**Basis of genetic diseases**	**General pathology**	**Power Point Lectures**	**Quiz, semester, Mid-term and Final exam & seminar**
12	2 hours	**Immunopathology** **Hypersensitivity**	**General pathology**	**Power Point Lectures**	**Quiz, semester, Mid-term and Final exam &**

					seminar
13	2 hours	**Amyloidosis** **Autoimmune Diseases** **Transplantation**	**General pathology**	**Power Point Lectures**	**Quiz, semester, Mid-term and Final exam & seminar**
14	2 hours	**Infectious diseases**	**General pathology**	**Power Point Lectures**	**Quiz, semester, Mid-term and Final exam & seminar**
15	2 hours	**Environmental diseases and nutritional diseases**	**General pathology**	**Power Point Lectures**	**Quiz, semester, Mid-term and Final exam & seminar**
16	2 hours	**Cardiovascular system** **Diseases of blood vessels**	**General pathology**	**Power Point Lectures**	**Quiz, semester, Mid-term and Final exam & seminar**
17	2 hours	**Cardiac diseases** **Ischemic heart disease** **Heart failure** **Infective endocarditis** **Rhomatic heart disease**	**General pathology**	**Power Point Lectures**	**Quiz, semester, Mid-term and Final exam & seminar**
18	2 hours	**RBC and bleeding disorders**	**General pathology**	**Power Point Lectures**	**Quiz, semester, Mid-term and Final exam & seminar**

19	2 hours	**Diseases of white blood cells**	**General pathology**	**Power Point Lectures**	**Quiz, semester, Mid-term and Final exam & seminar**
20	2 hours	**Disease of gastrointestinal tract**	**General pathology**	**Power Point Lectures**	**Quiz, semester, Mid-term and Final exam & seminar**
21	2 hours	**liver diseases**	**General pathology**	**Power Point Lectures**	**Quiz, semester, Mid-term and Final exam & seminar**
22	2 hours	**Diseases of Pancreas & gallbladder**	**General pathology**	**Power Point Lectures**	**Quiz, semester, Mid-term and Final exam & seminar**
23	2 hours	**Diseases of the respiratory system**	**General pathology**	**Power Point Lectures**	**Quiz, semester, Mid-term and Final exam & seminar**
24	2 hours	**Bone diseases**	**General pathology**	**Power Point Lectures**	**Quiz, semester, Mid-term and Final exam & seminar**
25	2 hours	**Diseases of the renal system**	**General pathology**	**Power Point Lectures**	**Quiz, semester, Mid-term and Final exam & seminar**

Clinical requirements

Lab number	Study unite title	Hours
1.	Introduction and biopsy	2
	Power point slides	
2.	Cell injury: hydropic changes-kidney Fatty changes -liver	2
	Power point slides	
3.	Necrosis: coagulative necrosis- heart Caseous necrosis- lung	2
	Power point slides	
4.	Intracellular accumulation: Anthracosis- lung Hemosidrosis-liver	2
	Power point slides	
5.	Acute inflammation: Acute appendicitis Pneumonia –lung Acute osteomyelitis-bone	2
	Power point slides	
6.	Chronic inflammation: chronic cholecystitis-Gall bladder Granuloma T.B- lung	2
	Power point slides	
7.	Healing and repair: Granulation tissue Keloid -Skin	2
	Power point slides	
8.	Chronic venous congestion- liver Venous thrombosis	2
	Power point slides	
9.	Benign tumors: lipoma- skin Follicular adenoma- thyroid Osteoma- bone	2
	Power point slides	

10.	Malignant tumors: Squamous cell carcinoma- skin Colorectal carcinoma Basal cell carcinoma- lip	2
	Power point slides	
11.	Amyloidosis- kidney	2
	Power point slides	
12.	Thyrotoxicosis- thyroid Hashimoto thyroiditis	2
	Power point slides	
13.	Edema Myocardial infarction Atheroma- Aorta	2
	Power point slides	
14.	Lung- Emphysema Chronic bronchitis	2
	Power point slides	
15.	Chronic gastritis and peptic ulcer	2
	Power point slides	
16.	Liver cirrhosis Power point slides	2
Total		32

Course Evaluation:

Distributing the score out of 100 according to the followings:

20 % first and second semesters

20 % mid year exam

60 % Final exam

Learning and Teaching Resources:

1. Required textbooks:
- **Robbin's & Kumar Basic pathology (eleventh edition) Elsevier**
- **Cor Pathology (third edition) Elsevier**

2. Main references:

3. Recommended books and references: text book of general pathology for dental students (Springer) 2022

4. Electronic references, websites:
- **Web path(https://www.webpathology.com/)**
  . (/Pathology online (https://www.pathologyoutlines.com

Course Description Form

1. Course Name:
Prosthodontics
2. Course Code:
ISU1304PD
3. Semester / Year:
year
4. Description Preparation Date:
14\10\2024
5. Available Attendance Forms:
6. Number of Credit Hours (Total) / Number of Units (Total)
90 hours\5 credits
7. Course administrator's name (mention all, if more than one name)
Name: Ahmed Ghaith Ahmed Khalaf Email: ahmedghaith85@ibnsina.edu.iq
8. Course Objectives

Course Objectives	**1- 1- In the dental laboratory, complete information is given about the process of making a pa denture made of cobalt chrome and acrylic in a detailed manner, which makes the pract steps of the denture making process easy and clear for the student through its application.** **2- How to deal with the tools, devices and materials used in making the kit and teach the student how to use them and follow the work step by step.** **2 - Identifying the terms used in explaining the curriculum, which are used for four years study,starting from the second stage until the fifth stage.**

9. Teaching and Learning Strategies

Strategy	1- PowerPoint lectures 2- Discussion method 2 - Report method 4- Workshop method 5- Practical training in educational clinics in the college

10- Course Structure

weeks	hours	Required learning outcomes	Unite or subject name	Learning method	Evaluation method
1	1 theory 2 laboratory	Introduction to Removable Partial Dentures	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
2	1 theory 2 laboratory	Classification of Partially Edentulous Arches	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
2	1 theory 2 laboratory	Surveying	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
4	1 theory 2 laboratory	Surveying (continue)	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
5	1 theory 2 laboratory	Component Parts of a Removable Partial Denture	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
6	1 theory	MaxillaryMajor Connectors	prosthodontics	Theoretical lecture using Power Point,	Short, semester,

	2 laboratory			discussion, workshop and practical training in educational clinics	mid-term and final exams
7	1 theory 2 laboratory	MandibularMajor Connectors	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
8	1 theory 2 laboratory	Minor Connectors	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
9	1 theory 2 laboratory	Rests and Rest Seats	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
10	1 theory 2 laboratory	Retention and Removable Partial Denture Retainers	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
11	1 theory 2 laboratory	Extra Coronal Direct Retainers)Types of clasp assemblies	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
12	1 theory 2 laboratory	Intracoronal Direct Retainers Internal) Attachments, Precision Attachments	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
12	1 theory 2 laboratory	Stress-Breakers (Stress Equalizers)	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
14	1 theory 2 laboratory	Indirect Retainers	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
15	1 theory 2 laboratory	Indirect Retainers (continue)	prosthodontics	Theoretical lecture using Power Point, discussion, workshop	Short, semester,

				and practical training in educational clinics	mid-term and final exams
16	1 theory 2 laboratory	Laboratory procedures in RPD construction: Blockout and Relief	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
17	1 theory 2 laboratory	Laboratory procedures in RPD construction: Duplication and Refractory Cast Construction	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
18	1 theory 2 laboratory	Laboratory procedures in RPD construction: Wax Pattern	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
19	1 theory 2 laboratory	Laboratory procedures in RPD construction: Casting and Finishing	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
20	1 theory 2 laboratory	Denture Base in RPD	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
21	1 theory 2 laboratory	Record Bases, ,Occlusion Rims Mounting and Arrangement ofTeeth	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
22	1 theory 2 laboratory	Biomechanics ofRemovable Partial Dentures	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
22	1 theory 2 laboratory	Biomechanics ofRemovable Partial Dentures (continue)	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
24	1 theory 2 laboratory	Principles ofRemovable Partial Denture Design	prosthodontics	Theoretical lecture using Power Point, discussion, workshop	Short, semester, mid-term and final exams

				and practical training in educational clinics	
25	1 theory 2 laboratory	Principles ofRemovable Partial Denture Design (continue)	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
26	1 theory 2 laboratory	Clinical Phases ofRemovable Partial Denture Construction	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
27	1 theory 2 laboratory	Acrylic Removable Partial Dentures	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
28	1 theory 2 laboratory	Flexible Removable Partial Dentures	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
29	1 theory 2 laboratory	Repairs and Additions to Removable Partial Dentures	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
2 0	1 theory 2 laboratory	Digitally Designed & Fabrication Process of RPD Framework Using CAD/CAM System	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams

11−Course Evaluation

Distribution as follows: 25 marks for daily and monthly exams and practical requirements for the first and second semesters. 15 marks for mid-year exams. 60 marks for final exams = 100 marks

12−Learning and Teaching Resources

Required textbooks (curricular books, if any)	Carr, A.B. Brown, D.T. (2011) McCracken's Removab Partial Prosthodontics.12th ed. St. Louis, Missouri: Mosby, Inc., Elsevier Inc. ▪ Robert, W. L. (2018) Removable Partial Denture Manual. Dalhousie University. ▪ Phoenix, D. R. Cagna, R. D. Charles, F. D (2008) Stewart's Clinical Removable Partial

	Prosthodontics. 4th ed. Quintessence Publishing Co, Inc. ▪ GPT9 2017. The Glossary of Prosthodontic Terr J Prosth. Dent. ▪ Zoidis P, Papathanasiou I, Polyzois G. The use a modified poly-etherether- ketone (PEEK) as an alternative framework material for removable denta prostheses. A clinical report. J Prosthodont 2016;25:58(McCracken's removable partial prosthodont 12 th edition 2016 by Elsevier, Inc
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

1. Course Name:

Oral Surgery

2. Course Code:

ISU1305OS

3. Semester / Year:

year

4. Description Preparation Date:

2025-2024

5. Available Attendance Forms:

Weekly-Attendance time

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

90Hr. in the year/(one theory + 2 lab) weekly/ 4 Credits

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

Name: Name: **1-Prof. Emad.Hammody.Abdulla.**
Email: emad.g@ibnsina.edu.iq

8. Course Objectives

Course Objectives	A-1 Acquire basic knowledge about oral surgery. A-2 Identify the surgical tools used in oral surgery and surgical methods A-3 Basic knowledge about local anesthesia and its methods. B - The skills objectives of the course B1 - Knowledge of the basics of oral diagnosis and surgical instruments B2 - Methods of tooth extraction and oral surgery B3 - Learn the different methods of local anesthesia C - Emotional and value-based goals C-1 Dealing with oral surgery and local anesthesia..

9. Teaching and Learning Strategies

Strategy	1.Microsoft power point lecture 2. Discussion method. 3.Report method. 4.Practical training. 5-Daily tests 6- Reports 7- Mid-course grade 8- Student interaction in in-person lectures 9- Degree of various duties

10. Course Structure

Course Structure

Evaluation method	Learning method	Unit or subject name labretory	Unit or subject name theory	Required Learning Outcomes	Hours	Week
1- Weekly Quizzes 2-Term exam 3-Mid year exam 4-Final year exam	1.Microsoft power point lecture 2. Discussion method. 3.Report method. 4.Practical training	History taking	Diagnosis in oral surgery	1-Acquire basic knowledge about oral surgery. 2-Basic knowledge about local anesthesia and its methods.	One Theory 2 Lab.	1
		History taking	Diagnosis in oral surgery			2
		Clinical examination and diagnosis	Infection Control in Surgical Practice			3
		Clinical examination and diagnosis	Infection Control in Surgical Practice			4
		Clinical examination and diagnosis	Extraction of teeth and Contra indications of extraction			5
		Clinical examination and diagnosis	Extraction of teeth and Contra indications of extraction			6
		Basic surgical instruments	General arrangement for extraction and Dental forceps (types)			7
		Basic surgical instruments	General arrangement for extraction and Dental forceps (types)			8
		Basic surgical instruments	Techniques of forceps extraction and post-operative instructions			9
		Basic surgical instruments	Elevators			10
		Dental forceps I	Elevators			11
		Dental forceps II	Complications of dental extraction			12
		Dental elevators I	Complications of dental extraction			13
		Dental elevators II	Basic surgical instruments			14
		Local anesthetics (instruments & materials(	Introduction to local anesthesia			15
		Local anesthetics (instruments & materials)	Pharmacology of local anesthesia			16

		Local anesthetics (instruments & materials)	Pharmacology of local anesthesia			17
		Local anesthetics (instruments & materials)	Surgical anatomy in local anesthesia			18
		Local anesthetics (instruments & materials)	Surgical anatomy in local anesthesia			19
		injection techniques	Instruments of local anesthesia			20
		Maxillary injection techniques	Techniques of local anesthesia			21
		Maxillary injection techniques	Techniques of local anesthesia			22
		Mandibular injection techniques	Techniques of local anesthesia			23
		Mandibular injection techniques	Complications of local anesthesia			24
		Maxillary teeth extraction	Complications of local anesthesia			25
		Maxillary teeth extraction	Complications of local anesthesia			26
		Mandibular teeth extraction	Advances in local anesthesia			27
		Mandibular teeth extraction	Conscious sedation			28
		Basic life support and CPR	Fundamentals of general anesthesia			29
		Basic life support and CPR	Medical emergencies during dental treatment			30

11. Course Evaluation

100 degrees distributed as follows
1term + 2term (20 degrees)/half of the year 20 degrees/end of the year 60 degrees

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	1-Hand book of local anesthesia 7th edition. Stanely F. Malamed , Elsevier.2019
Main references (sources)	1. Hand book of local anesthesia 7th edition Stanely F. Malamed, Elsevier.2019. 2. Contemporary oral and maxillofacial surgery 7th edition 2019 (Elsevier).
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	Electronic references, recommended Internet sites to enhance the student's level

Course Description Form

1. Course Name:
Pharmacology
2. Course Code:
ISU1306PH
3. Semester / Year:
Year
4. Description Preparation Date:
21/ 01/ 2025
5. Available Attendance Forms:
In-person/ Online (remote)/ Practical
6. Number of Credit Hours (Total) / Number of Units (Total)
120 hour/ 4 hour per week (6 credits)
7. Course administrator's name (mention all, if more than one name)
Name: Assis. Prof. Dr. Mohammad Ayyed Najem Email: dr.mohammed.ayyed@ibnsina.edu.iq Assis. Lect. Dania Fouad Assia. Lect. Ban Abas Assia. Lect. Mohand Jawher Assis. Lect. Tabark Mahmoud Assis Lect. Saif Muslim
8. Course Objectives
• Understand the mechanism of drug action at the molecular and cellular levels, including both beneficial and harmful effects of the drug. • Understand the pharmacokinetics of drugs in the body, including absorption, distribution, metabolism, and excretion, and the ability to apply this knowledge in medical treatment. • Introduce the student to the concept that drugs can affect all body systems and enable them to classify drugs based on their effects on body systems for practical purposes. • Identify at least one drug that represents each therapeutic class, especially those of practical significance. • Develop the student's ability to describe drug classes, especially the essential ones used in medical treatment, and train them in a way that qualifies them to obtain information about any other drugs, including new ones, through self-directed learning. • Be aware of the serious side effects and contraindications of each drug representing a class. • Understand the basic principles of acute drug toxicity and other drug-related issues, such as addiction and misuse.
9. Teaching and Learning Strategies

Strategy	The lectures, both theoretical and practical, are delivered to students using: • Computers and PowerPoint slides, displayed on plasma screens • Smartboards. • Educational videos that demonstrate some of the complex pharmacokinetic mechanisms. • Training visits to hospitals or primary healthcare centers, allowing students to apply and practice the optimal professional interaction in a practical and real-world setting.

10. Course Structure

Week	Hours	Required Learning Outcomes		Unit or subject name	Learning method	Evaluation method
		Practical part	Theoretical part			
1	4	Introduction and animal (e.g. rabbits) handling	Pharmacology: General concepts	Pharmacology	1.Microsoft power point lecture 2. Discussion method. 3.Report method. 4.Practical training	Weekly Quizzes, Monthly exam, Midyear exam Final exam
2	4	Routes of drug administration (Part 1)	Pharmacokinetics and pharmacodynamics			
3	4	Routes of drug administration (Part 2)	ANS (cholinergic agonist and antagonist)			
4	4	Clinical parameters in drug pharmacokinetics (Part 1)	Adrenergic agonists			
5	4	Clinical parameters in drug pharmacokinetics (Part 2)	Adrenergic antagonists			
6	4	Demonstration of common dosage forms used in clinical practice (part1)	Antihypertensive drugs			
7	4	Continue with above (Part 2)	Management of angina and heart failure			
8	4	Cholinergic agonists and antagonists (Physostigmine Vs Curare)	Management of arrhythmia			
9	4	Effects of Drugs on Human Blood Pressure (Part 1-B-Blockers)	Anticoagulants, antiplatelet and anti-hyperlipidemic drugs			
10	4	Effects of Drugs on Human Blood Pressure (Part 2) (Nitrates Effect on Human Volunteers)	Introduction the pharmacology of CNS drugs, sedative, hypnotics and antiseizures drugs			
11	4	Effects of Drugs on The Arterial Blood Pressure Of Human (Part-3)	Antipsychotic and antidepressant drugs			

12	4	The effects of drugs and light on human eyes	Local and general anesthetics			
13	4	The effects of drugs and light on human eyes	Drug of abuse and opioid analgesics			
14	4	Effects of parasympathomimetic drugs on glandular secretions	Managements of diabetes mellitus			
15	4	Human skin response to histamine and adrenaline	Drugs affecting GIT			
16	4	The response of human skin to histamine and adrenaline	Drugs acting on respiratory system (antihistamines and corticosteroids)			
17	4	Evaluation of Analgesics	Non-steroidal anti-inflammatory drugs (NSAIDs) part 1			
18	4	Evaluation of analgesics (Opioids)	Non-steroidal anti-inflammatory drugs (NSAIDs) part2 and Steroids in Dentistry			
19	4	Evaluation of Anti-inflammatory Drugs	Chemotherapeutic drugs (Principles of antimicrobial therapy)			
20	4	Evaluation of Anti-inflammatory Drugs	Cell wall inhibitors (part1)			
21	4	Local Anesthesia	Cell wall inhibitors (part 2)			
22	4	General Anesthesia	Protein synthesis inhibitors			
23	4	General Anesthesia	Quinolones, Folic acid antagonists and antimycobacterial			
24	4	Prescription writing	Antifungal, antiviral and antiprotozoal drugs			
25	4	Prescription writing	Sex hormone and contraceptive			
26	4	Prescription writing	Thyroid hormones and anti-thyroid drugs			
27	4	Oral conditions and their treatment	Anticancer drugs			
28	4	Orodental preparation (part 1)	Dental Pharmacology: drugs and chemicals used in dental clinic			
29	4	Orodental preparation (part 2)	Anticaries and drugs used in prevention of dental plaque			

30	4	Dental health and endocarditis prevention	Essential emergency drugs in dental clinic			

11. Course Evaluation

- Student participation in class activities.
- Shared homework.
- Weekly exams and Semester exams.
- Writing reports.
- Delivering seminars.
- Theoretical and practical exam scores for the middle and end of academic years.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Lippincott Illustrated Reviews: Pharmacology, Edition (2022) - Karen Whalen.
Main references (sources)	▪ Nature Reviews Drug Discovery Journal. ▪ Pharmacological Reviews Journal. ▪ Drug Resistance Updates Journal. ▪ Annual Review of Pharmacology and Toxicolog Journal. ▪ Pain Journal. ▪ British Journal of Pharmacology. ▪ Drug Discovery Today ▪ Journal of Antimicrobial Chemotherapy Pharmacological Reports Journal.
Recommended books and references (scientific journals, reports...)	▪ Pharmacology for Dentistry E-book, Tara V. Shanbhag, Smita Shenoy, Veena Nayak, 2021. ▪ A Text-book of Dental Pathology and Therapeutics, Henry H. Burchard · 2016. ▪ Goodman & Gilman's Manual of Pharmacology and Therapeutics by Randa Hilal-Dandan and Laurenc Brunton, Latest Edition. British National Formulary (BNF 86).
Electronic References, Websites	▪ Medscape ▪ DrugBank ▪ Drugs.com: ▪ Medicines A-Z: ▪ Medicines Information – SPC & PILS ▪ RxList

Course Description Form(microbiology)

1. Course Name:
Microbiology
2 .Course code
ISU1307MB
3 .Semester/year
year
4 .Description preparation Date
17/11/2024
5 .Available attendance forms
In-person
6.Number of Credit Hours(Total)/Number of uunits (Total)
120 hours/ 6 credits(60 theoretical + 60 practical)
7. Course administrator name (mention all, if more than one name)
-Assist. Prof. Dr. Mithal Abdulkarem Abdaon(Course administrator) - Lect. Dr.Aevar AshrafKhorshed - Lect. Dr.Husam Hussien Lazim - Lect. Dr.Nbras Rada Mohammed Practical part - Assist.Lect. AmmarJawad Kaddhim - Assist.Lect.Dania Bahaaulddin Ibrahim -Assist.Lect.Mina Mohamed Kadhum - Assist.Lect.Marwa Basim Sabri Email:mithal.aon@ibnsina.edu.iq
8. Course Objectives
Introduction to medical microbiology, including its various types, pathogenesis, laboratory diagnosis, as well as immunology, antibiotics, and methods of sterilization disinfection.

9. Teaching and Learning Strategies

Strategy

1.Micro soft power point lecture method
2. Discussion method
3. Report method
4. Practical labs

10-Course Structure

1. Course Structure (First Semester of the Annual System):						
Evaluation method	Teaching method	Practical part	Theoretical part	Required learning outcomes	Number of hours	Week
Weekly exam, Semester exam.	A theoretical lecture using PowerPoint.	Orientation to the Microbiology laboratory	Morphology, Ultra structures, physiology and metabolism of microorganisms:- -Eukaryotic & Prokaryotic cells -Cell structure of prokaryotes -Comparison between G+ve & G-ve cell wall	Understanding the structures of the cell, its metabolic activities, and the differences between types of cells.	2Theo/2Pra	١
Weekly exam, Semester exam	A theoretical lecture using PowerPoint	The microscope	-Microbial growth, growth curve -Metabolism of microorganisms Molecular biology & bacterial genetics	Understanding the growth curve of microorganisms, their metabolism, and their molecular and genetic structure.	2Theo/2Pra	٢
Weekly exam, Semester exam	A theoretical lecture using PowerPoint	Sterilisation and disinfection:	-Sterilization and Disinfection	Understanding sterilization and disinfection methods and the types of disinfectants.	2Theo/2Pra	٣
Weekly exam, Semester exam	A theoretical lecture using PowerPoint	Bacterial growth	Antibiotic and chemotherapy:- -Antibiotic, sources -Mode of action of antibiotic -Anti-microbial sensitivity tests -Bacterial resistance -Prophylactic use	Understanding antibiotics, their types, mechanisms of action, resistance mechanisms, and prevention methods.	2Theo/2Pra	٤
Weekly exam, Semester exam	A theoretical lecture using	Types of culture media	Introduction to general immunology and oral immunology	Understanding the types of immunity in the body, the	2Theo/2Pra	٥

	PowerPoint		- Non-specific and specific immunity - Antigen - Immunoglobulin - Humeral and Cellular Immunity	structure and types of antigens, and antibodies.		
Weekly exam, Semester exam	A theoretical lecture using PowerPoint	Sampling and transport of test material	Cells and organs of the immune system - Complement system - Human leukocyte antigen - Role of complement and HLA in oral disease	Understanding the cells and organs that make up the immune system and their role in defending the body and resisting diseases.	2Theo/2Pra	٦
Weekly exam, Semester exam	A theoretical lecture using PowerPoint	Laboratory cultivation of microorganisms	- Oral and mucosal immunity - Autoimmunity and immune tolerance	Understanding oral immunity, autoimmune immunity, and immune tolerance.	2Theo/2Pra	٧
Weekly exam, Semester exam	A theoretical lecture using PowerPoint	Bacterial identification:1-Macroscopical characteristics (colonial morphology and cultural characteristics).	- Hypersensitivity reactions - Antimicrobial and immunological defenses of saliva and gingival crevicular fluid components	Understanding the immune defense mechanisms of the gums and the components of the fluids within them.	2Theo/2Pra	٨
Weekly exam, Semester exam	A theoretical lecture using PowerPoint	2. Microscopical examination (morphology of bacterial cells).	Host-parasite relationship & Nosocomial infection -Symbiosis, Commensalism, Amphibiosis, Antagonistic -Sources of infection in hospital and -nosocomial infections -Post-operative wound infection, burns infections	Understanding the types of relationships between microorganisms and the host, as well as the sources of infections and hospital-acquired bacterial infections.	2Theo/2Pra	٩
Weekly exam, Semester	A theoretical lecture	Staining	Streptococci -Pyogenic Streptococci	Understanding Streptococci bacteria, their	2Theo/2Pra	١٠

exam	using PowerPoint		-Lancefield group -Pathogenesis of streptococc -Epidemiology, treatment and prevention -Viridans streptococci -Pneumococci	classification into groups, pathogenicity, epidemiology, methods of treating infections caused by them, and prevention of these infections.		
Weekly exam, Semester exam	A theoretical lecture using PowerPoint	Biochemical tests (part 1).	Staphylococci -Virulence factors - and pathogenesis -Epidemiology, treatment and prevention	Understanding Staph. bacteria, their classification into groups, pathogenicity, epidemiology, methods of treating infections caused by them, and prevention of these infections.	2Theo/2Pra	١١
Weekly exam, Semester exam	A theoretical lecture using PowerPoint	Biochemical tests(part2).	G- negative diplococcic , Vellionella and Moraxella Neisseria gonorrhea, N. meningitidis	Understanding the types of some groups of Gram-negative cocci bacteria.	2Theo/2Pra	١٢
Weekly exam, Semester exam	A theoretical lecture using PowerPoint	Biochemical tests(part3).	Lactobacilli, Actinomyces and *Corynebacterium diphtheriae* & Diphtheroids	Understanding Corynebacterium diphtheriae and its pathogenicity.	2Theo/2Pra	١٣
Weekly exam, Semester exam	A theoretical lecture using PowerPoint	Antibiotic sensitivity test(part 1).	Bacillus: B. subtilis, B. anthracis and B.ceres	Understanding some types of pathogenic bacilli, including Bacillus anthracis.	2Theo/2Pra	١٤
Weekly exam, Semester exam	A theoretical lecture using PowerPoin	Antibiotic sensitivity test(part 2).	Clostridium : C. perfringenis , C. tetani, C. botulinum, and difficile	Understanding some types of Clostridium bacteria, their types, and pathogenicity.	2Theo/2Pra	١٥

٢- Curriculum structure (second semester for the annual system):

Evaluation method	Teaching method	Practical part	Theoretical part	Required learning outcomes	Number of hours	Week
Weekly exam, Semester exam	A theoretical lecture using PowerPoin	Serological tests (antigen and antibody detection tests) (part 1).	Enterobacteriaceae -E.coli, Salmonella, Shigella,	Understanding the types of Enterobacteriaceae bacteria and their pathogenicity.	2Theo/2Pra	١٦
Weekly exam, Semester exam	A theoretical lecture using PowerPoin	Serological tests (antigen and antibody detection tests) (part 2).	Enterobacter, Klebsiella, proteus, Yersinia	Identification of types of Enterobacteriaceae bacteria and their pathogenicity.	2Theo/2Pra	١٧
Weekly exam, Semester exam	A theoretical lecture using PowerPoint	Nucleic acid assays, Animal pathogenicity test	Mycobacteruim -Tuberculosis & Leprae	Identification of Mycobacterium tuberculosis and Mycobacterium leprae bacteria and their pathogenicity.	2Theo/2Pra	١٨
Weekly exam, Semester exam	A theoretical lecture using PowerPoint	Staphylococci	Brucella, Haemophilus, Vibirio	Identification of other pathogenic bacterial types, including Vibrio cholerae.	2Theo/2Pra	١٩
Weekly exam, Semester exam	A theoretical lecture using PowerPoint	Streptococci	- Aggregatibacter, porphyromonas, prevotella, Bacteroids	Understanding the pathogenicity of these bacterial types.	2Theo/2Pra	٢٠
Weekly exam, Semester exam	A theoretical lecture using PowerPoint	Corynebacterium	Fusiforms and Spirochaetes -Fusobacterium, leptotichia	Identifying the pathogenicity of these bacterial types.	2Theo/2Pra	٢١
Weekly exam, Semester exam	A theoretical lecture using PowerPoint	Spore-forming Gram-positive bacilli: Bacillus spp.	Treponema and oral Treponema	Identifying Treponema pallidum (syphilis bacteria) and its role in oral infections.	2Theo/2Pra	٢٢
Weekly exam, Semester exam	A theoretical lecture using PowerPoint	Clostridium spp.	Mycoplasma, Chlamydia and Rickittsiae	Identifying other types of microorganisms and their pathogenic significance.	2Theo/2Pra	٢٣
Weekly exam, Semester exam	A theoretical lecture using PowerPoint	Mycobacterium spp.	Ecology of oral flora -Indigenous flora -Supplemental	Identifying the environment of microorganisms, sources of oral	2Theo/2Pra	٢٤

			flora -Transient flora -Sources of oral bacteria -Factors modulating growth of bacteria in the oral cavity	bacteria, and factors affecting their growth in the oral cavity.		
Weekly exam, Semester exam	A theoretical lecture using PowerPoin	Enterobacteriaceae (part1)	Microbiology of dental caries -Dental plaque & plaque metabolism - plaque homeostasis -cariogenic microorganisms -Mutans Streptococci -Lactobacilli and Actinomyces-	Identifying the bacteria that cause dental caries and tooth decay and their pathogenicity.	2Theo/2Pra	٢٥
Weekly exam, Semester exam	A theoretical lecture using PowerPoin	Enterobacteriaceae (part2)	Microbial colonization-Caries prevention-Antibacterial factors in saliva--Vaccination against dental caries	Identifying the antibacterial factors present in oral saliva and vaccination against tooth decay and dental caries.	2Theo/2Pra	٢٦
Weekly exam, Semester exam	A theoretical lecture using PowerPoint	Enterobacteriaceae(part3)	Microbiology of periodontal disease and Endodontics -Subgingival microbial complex -specific , non-specific and Ecological plaque hypothesis - Porphyromonas, prevotella, Aggregatibacter virulence factors of periodontal pathogens endodontic microbiota and Routes of root canal infection -ecology of endodontic microbiology	Identifying all aspects related to gum decay caused by microorganisms.	2Theo/2Pra	٢٧

Weekly exam, Semester exam	A theoretical lecture using PowerPoint	Neisseriae spp.	Virology -general structure of viruses -classification	Identifying the structure and components of viruses and their classification methods.	2Theo/2Pra	٢٨
Weekly exam, Semester exam	A theoretical lecture using PowerPoint	Virology	viral replication -Isolation & diagnosis -Oral virology	Identifying virus replication methods, isolation techniques, and diagnostic methods, as well as viral diseases associated with the mouth.	2Theo/2Pra	٢٩
Weekly exam, Semester exam	A theoretical lecture using PowerPoint	Mycology	- Oral mycology and Oral parasitology -Introduction, epidemiology, transmission -E.histolotica, E.gingivalis, T.tenax -Fungal cells -classification -Candida	Identifying fungi and parasites associated with oral diseases.	2Theo/2Pra	٣٠

11. Course Evaluation

The distribution is as follows: 6 points for the theoretical exam and 4 poin for the practical exam in the first and second semesters20 points for the midterm exam and 60 points for the final exams, totaling 100 points.

12.Teaching Learning Resources

-Essential microbiology for dentistry 5th edition(2018) (Lakshman Samaranayake). -Kuby Immunology eighth edition(2019) (Jenni Punt;Sharo	required textbooks (Methodology if available)

Stanford;Patricia Jones;Judy Owen).	
Medical microbiology 27th edition(2019)(Jawetz,Melnick&Adelbergs)	Main References (Sources)
Various Global Scientific E-Learning Platform	Electronic references

Course Description Form

1. Course Name:
Preclinical Operative Dentistry
2. Course Code:
ISU1308OD
3. Semester / Year:
Year
4. Description Preparation Date:
6\11\2024
5. Available Attendance Forms:
6. Number of Credit Hours (Total) / Number of Units (Total)
90 hours\4 credits 1 hours theory+2 hours practical / week
7. Course administrator's name (mention all, if more than one name)
Name: Mohammed Qasim Mohammed Email: mkmdent@ibnsina.edu.iq
8. Course Objectives

Course Objectives	**1- In the dental clinic, complete information is given about the process of making a partial denture in a detailed manner, which makes the practical steps of the denture making process easy and clear for the student through its application.** **2- How to deal with dental patients and how to deal with tools, devices and materials making dentures and teaching the student how to use them and follow the work step step.** **3- Learn how restore teeth, and learn the terms used in explaining the curriculum, which used for four years of study, starting from the second stage until the fifth stage.**

9. Teaching and Learning Strategies	
Strategy	1- PowerPoint lectures 2- Discussion method 3- Report method 4- Workshop method 5- Practical training in educational clinics in the college

10- Course Structure

Weeks	hours	Required learning outcomes	Unite or subject name	Learning method	Evaluation method
1	1 theory 2 practical	Definition of operative dentistry	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
2	1 theory 2 practical	Definition of operative dentistry	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
3	1 theory 2 practical	Instruments and general instrumentation of cavity preparation	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
4	1 theory 2 practical	Instruments and general instrumentation of cavity preparation	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
5	1 theory 2 practical	Sterilization of operative instruments	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
6	1 theory 2 practical	Sterilization of operative instruments	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational	Short, semester, mid-term and final exams

				clinics	
7	1 theory 2 practical	Amalgam cavity preparations for class I	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
8	1 theory 2 practical	Amalgam cavity preparations for class I	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
9	1 theory 2 practical	Amalgam cavity preparations for class II	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
10	1 theory 2 practical	Amalgam cavity preparations for class II	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
11	1 theory 2 practical	Amalgam cavity preparations for class II (MOD)	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
12	1 theory 2 practical	Amalgam cavity preparations for class II (MOD)	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
13	1 theory 2 practical	Amalgam cavity preparations for class III and class V	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
14	1 theory 2 practical	Amalgam cavity preparations for class III and class V	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
15	1 theory 2 practical	Cavity liners and cement bases (part 1)	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
16	1 theory 2 practical	Cavity liners and cement bases (part 1)	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
17	1 theory 2 practical	Cavity liners and cement bases (part 2)	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical	Short, semester, mid-term and final exams

				training in educational clinics	
18	1 theory 2 practical	Cavity liners and cement bases (part 2)	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
19	1 theory 2 practical	Dental amalgam alloys (material)	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
20	1 theory 2 practical	Dental amalgam alloys (material)	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
21	1 theory 2 practical	Complex amalgam restoration	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
22	1 theory 2 practical	Complex amalgam restoration	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
23	1 theory 2 practical	Failures in amalgam restorations	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
24	1 theory 2 practical	Failures in amalgam restorations	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
25	1 theory 2 practical	Tooth colored restorations (composite)	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
26	1 theory 2 practical	Tooth colored restorations (composite)	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
27	1 theory 2 practical	Cavity preparation for anterior restorations	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
28	1 theory 2 practical	Cavity preparation for anterior restorations	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical	Short, semester, mid-term and final exams

				training in educational clinics	
29	1 theory 2 practical	Resin material	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
30	1 theory 2 practical	Resin material	operative dentistry	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams

Course Evaluation	
Distribution as follows: 25 marks for daily and monthly exams and practical requirements for the first and second semesters. 15 marks for mid-year exams. 60 marks for final exams = 100 marks	
11-Learning and Teaching Resources	
Required textbooks (curricular books, if any)	1. Summitt's fundamentals of operative dentistry: A contemporary approach. 4th edition..
Main references (sources)	1. Dental composite materials for direct restorations. Vesna Miletic Springer, eBoo 2018. 2. Textbook of operative dentistry. 3rd editio Nisha Garg, Amit Garg. 3. Cohen's Pathways of the Dental Pulp. 12th Louis H. Berman and Kenneth M. Hargreaves. 4. Textbook of Endodontics. 2nd ed. 2010. Ni Garg, Amit Garg
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

1. Course Name:
Preclinical Fixed Prosthodontics
2. Course Code:
ISU1309FP
3. Semester / Year:
Year
4. Description Preparation Date:
6\11\2024
5. Available Attendance Forms:
6. Number of Credit Hours (Total) / Number of Units (Total)
90 hours\4 credits 1 hours theory+2 hours practical / week
7. Course administrator's name (mention all, if more than one name)
Name: Mohammed Qasim Mohammed Email: mkmdent@ibnsina.edu.iq
8. Course Objectives

Course Objectives	**1- In the dental clinic, complete information is given about the process of making a partial denture in a detailed manner, which makes the practical steps of the denture making process easy and clear for the student through its application.** **2- How to deal with dental patients and how to deal with tools, devices and materials making dentures and teaching the student how to use them and follow the work step step.** **3- Learn how restore teeth, and learn the terms used in explaining the curriculum, which used for four years of study, starting from the second stage until the fifth stage.**

9. Teaching and Learning Strategies	
Strategy	1- PowerPoint lectures 2- Discussion method 3- Report method 4- Workshop method 5- Practical training in educational clinics in the college

10- Course Structure

Weeks	hours	Required learning outcomes	Unite or subject name	Learning method	Evaluation method
1	1 theory 2 practical	Definitions	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
2	1 theory 2 practical	Definitions	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
3	1 theory 2 practical	Definitions	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
4	1 theory 2 practical	Biomechanical principles of tooth preparation:	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
5	1 theory 2 practical	Biomechanical principles of tooth preparation:	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
6	1 theory 2 practical	Biomechanical principles of tooth preparation:	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams

7	1 theory 2 practical	Full metal crown	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
8	1 theory 2 practical	Full metal crown	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
9	1 theory 2 practical	Porcelain fused to metal crown	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
10	1 theory 2 practical	Porcelain fused to metal crown	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
11	1 theory 2 practical	Complete ceramic crown (Porcelain Jacket Crown)	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
12	1 theory 2 practical	Complete ceramic crown (Porcelain Jacket Crown)	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
13	1 theory 2 practical	Partial veneer crown (three-quarter crown)	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
14	1 theory 2 practical	Partial veneer crown (three-quarter crown)	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
15	1 theory 2 practical	Post crown	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
16	1 theory 2 practical	Post crown	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
17	1 theory 2 practical	Impression for crown and bridge work	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams

18	1 theory 2 practical	Impression for crown and bridge work	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
19	1 theory 2 practical	Provisional restoration	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
20	1 theory 2 practical	Provisional restoration	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
21	1 theory 2 practical	Working cast and dies	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
22	1 theory 2 practical	Working cast and dies	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
23	1 theory 2 practical	Waxing, investing, casting	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
24	1 theory 2 practical	Waxing, investing, casting	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
25	1 theory 2 practical	Finishing of the casting and clinical try-in	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
26	1 theory 2 practical	Finishing of the casting and clinical try-in	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
27	1 theory 2 practical	Cementation	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
28	1 theory 2 practical	Cementation	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams

29	1 theory 2 practical	CAD /CAM Technology for crown construction	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
30	1 theory 2 practical	CAD /CAM Technology for crown construction	crown and bridge	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams

Course Evaluation

Distribution as follows: 25 marks for daily and monthly exams and practical requirements for the first and second semesters. 15 marks for mid-year exams. 60 marks for final exams = 100 marks

11−Learning and Teaching Resources

Required textbooks (curricular books, if any)	1. Summitt's fundamentals of operative dentistry: A contemporary approach. 4th edition..
Main references (sources)	1. Dental composite materials for direct restorations. Vesna Miletic Springer, eBoo 2018. 2. Textbook of operative dentistry. 3rd editio Nisha Garg, Amit Garg. 3. Cohen's Pathways of the Dental Pulp. 12th Louis H. Berman and Kenneth M. Hargreaves. 4. Textbook of Endodontics. 2nd ed. 2010. Ni Garg, Amit Garg
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

1. Course Name:
Dental Ethics
2. Course Code:
ISU1310DE
3. Semester / Year:
Year
4. Description Preparation Date:
19-1-2025
5. Available Attendance Forms:
actual attendance
6. Number of Credit Hours (Total) / Number of Units (Total)
30 hour/ 2 Credits
7. Course administrator's name (mention all, if more than one name)
Name: Widad Allawi Saddam , Ph.D. Email:dr.wedad.allawi@ibnsina.edu.iq
8. Course Objectives

Course Objectives	Developing students' proficiency in English. Reinforcing the information, the students tau in the 1st and 2nd stages. Enabling students to acquire the oral and wri forms of English. Introduce the most important medical terms inhance the student's language.

9. Teaching and Learning Strategies	
Strategy	The strategy of searching and investigation through critical a creative thinking is used. Group and pair work is encouraged. Participation inside the class is evaluated.

10. Course Structure

Week	Hours	Required Learning	Unit or	Learning	Evaluation

		Outcomes	subject name	method	method
1	1	Introduction			
2	1	Ethical issues			
3	1	**Dental ethics**			Oral test
4	1	Professional Ethics Review			Oral test
5	1	**Professional Ethics Review**			Written te
6	1	Ethical Dilemmas Dentistry	workboo		
7	1	Financial arrangement			
8	1	Confidentiality		Giving the lecture taking oral quizzes	Oral test
9	1	Patients with compromised capacity		Listening to stude reading	Oral test
10	1	Decision making		Giving the lecture taking oral quizzes	Oral test
11	1	Emergency care			Written te
12	1	Treatment decision		Giving the lecture taking oral quizzes	
13	1				
14	1			Exam	Endcourse exam

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, dailyoral, monthly, or written exams, reports .... etc
20% mid exam
5% attendance
5% participation
70% final exam

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Ethics lectures
Main references (sources)	Different lectures about ethics
Recommended books and references (scientific journals, reports…)	Political figures Encyclopedia
Electronic References, Websites	Wikipedia

Course Description Form

1. Course Name:
General Medicine
2. Course Code:
ISU1401
3. Semester / Year:
Year
4. Description Preparation Date:
25/1 /2025
5. Available Attendance Forms:
Attendance only
6. Number of Credit Hours (Total) / Number of Units (Total)
90 Hours/ 4 credits
7. Course administrator's name (mention all, if more than one name)
Elham Rasheed Hameed Email: elhamalbana@ibnsina.edu.iq
8. Course Objectives
Course Objectives To consider family and medical history as basics in history taking and management To consider the principles of diagnosis ,deferential diagnosis and how to list essential lab tests. To consider the tasks of dentist in management of general diseases. To learn how to manage emergency cases and other medical conditions the dentist should deal with.
9. Teaching and Learning Strategies

Strategy	• Theoretical lectures • Practical sessions, viewing slides on data show • Interactive learning and discussions • Mixed questions exams • Blended learning

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	1	• Introduction to Diabetus Mellitus pathology and eitiology • Diagnostic tests	Diabetes Mellitus Part 1	lecture using PowerPoint	Written exams
2	1	• Managements • Complications • Dental cosiderations	Diabetes Mellitus Part 2	lecture using PowerPoint	Written exams
3	1	• Epidemiology • Pathophysiology • Clinical classification of Leukemia	Disorders of WBC Part 1	lecture using Power Point	Written exams
4	1	• Types of Lymphoma • Oral manifestations • Management • Complications of chemotherapy	Disorders of WBC Part 2	lecture using PowerPoint	Written exams
5	1	• Stages of Hemostasis • Pathophysiology • Classifications of bleeding disorders	Hemostasis and bleeding disorders Part 1	lecture using PowerPoint	Written exams
6	1	• Types of Hemophilia • Scurvy • Vit K deficiency • Diagnostic tests for bleeding disorders • Clinical manifestations and management • Dental considerations	Hemostasis and bleeding disorders Part 2	lecture using PowerPoint	Written exams
7	1	• Anatomy • Physiology • Hypothalamic Pituitary Adrenal Axis • Classifications of adrenal	Adrenal Glands	lecture using PowerPoint	Written exams

		gland abnormalities			
8	1	Pathophysiology Clinical manifestations Managements Dental considerations	Addison's Disease and Cushing syndrome	lecture using PowerPoint	Written exams
9	1	• Anatomy • Physiology • Epidemiology • Esophageal Regurgitations	GIT Disorders	lecture using PowerPoint	Written exams
10	1	• Anatomical types of PU • Epidemiology • Etiology	Peptic Ulcer Part 1	lecture using PowerPoint	Written exams
11	1	• Clinical Manifestations • Diagnostic tests • Managments • Dental considerations	Peptic Ulcer Part 2	lecture using PowerPoint	Written exams
12	1	• Epidemiology • Types • Classifications • Dental considerations • Clinical manefestations • Managments • Antihypertensive drugs	Hypertension	lecture using PowerPoint	Written exams
13	1	• Epidemiology • Etiology • Angina • Forms of Angina • Lab and Diagnostic tests • Medical managements • Surgical Managments • Myocardial Infarction • Diagnosis • Medical managements • Dental considerations	Ischemic Heart Disease	lecture using PowerPoint	Written exams

14	1	• Definition • Epidemiology • Classification • Etiology • Causative organisms • Pathophysiology • Clinical presentations and Duke criteria • Managements • Complications • Antibiotic Prophylaxis Prior to Dental Procedures • Dental considerations	Infective endocarditis	lecture using PowerPoint	Written exams
15	1	• Acute rheumatic fever • Risks • Pathogenesis • Diagnosis and imaging • Clinical findings • Treatment • Cardiac managements • Prognosis • Rheumatic heart disease • Medical and Surgical care • Antibiotic prophylaxis • Complications • Dental considerations	Rheumatic Heart Disease	lecture using PowerPoint	Written exams
16	1	• Duodenum • Large Intestine • Cecum • Clinical Note • Perforation of the appendix • Appendicitis pain	Small and Large Intestine	lecture using PowerPoint	Written exams
17	1	• Epidemiology • Etiology • Pathophysiology and Complications	Inflammatory Bowel Disease Part 1	lecture using PowerPoint	Written exams

		• Crohn's Disease • Ulcerative Colitis • Laboratory and Diagnostic Findings			
18	1	• Medical management • Dental Management and recommendation • Oral complications and manifestation	Inflammatory Bowel Disease Part 2	lecture using PowerPoint	Written exams
19	1	• Definition • Epidemiology • Etiology • Pathophysiology and complications • Clinical presentation • Laboratory and diagnostic finding • Medical Management • Dental Management Considerations • Drug Considerations and Oral Manifestations	Pseudomembranous colitis	lecture using PowerPoint	Written exams
20	1	• Definition • Etiology • Classification • General Symptoms • Symptoms of specific forms • Pernicious anemia • Aplastic anemia • Complications • Diagnostic tests • Treatment	Anemia	lecture using PowerPoint	Written exams
21	1	• Asthma • Epidemiology • Etiology • Triggers and Pathology • Five Forms of Asthma • Clinical Features and Diagnosis • Lung Function Tests • Management of acute severe	Respiratory Disorders	lecture using PowerPoint	Written exams

		asthma • Immediate Assessment of Acute Severe Asthma			
22	1	• Epidemiology • Etiology • Pathophysiology • Clinical manifestations • Diagnosis • Managements • Complications • Dental considerations • Kidney Transplantation	Kidney diseases	lecture using PowerPoint	Written exams
23	1	• Epidemiology • Etiology • Pathophysiology • Clinical manifestations • Diagnosis • Managements • Dental considerations	Thyroid Disease	lecture using PowerPoint	Written exams
24	1	• Epidemiology • Etiology • Pathophysiology • Classifications • Clinical manifestations • Diagnosis • Managements • Dental considerations	Immunologic diseases	lecture using PowerPoint	Written exams
25	1	• Epidemiology • Etiology • Pathophysiology • Classifications • Clinical manifestations • Diagnosis • Managements • Dental considerations	Drug and Alcohol abuse	lecture using PowerPoint	Written exams

26	1	• Epidemiology • Etiology • Pathophysiology • Classifications • Clinical manifestations • Diagnosis • Managements • Dental considerations	Psychiatric Disorders	lecture using PowerPoint	Written exams
27	1	• Epidemiology • Etiology • Pathophysiology • Classifications • Clinical manifestations • Diagnosis • Managements • Dental considerations	Anxiety and Eating Disorders	lecture using PowerPoint	Written exams
28	1	• Epidemiology • Etiology • Pathophysiology • Classifications • Clinical manifestations • Diagnosis • Managements • Dental considerations	Neurologic Disorders	lecture using PowerPoint	Written exams
29	1	• Epidemiology • Etiology • Pathophysiology • Classifications • Clinical manifestations • Diagnosis • Managements • Dental considerations	Cardiac Arrhythmias	lecture using PowerPoint	Written exams
30	1	• Epidemiology • Etiology • Pathophysiology • Classifications • Clinical manifestations	Heart Failure	lecture using PowerPoint	Written exams

		• Diagnosis • Managements • Dental considerations			

11. Course Evaluation

Distributing the score out of 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)	Essenthals of Medicine for Dental Students
Main references (sources)	Dental Management of the Medically Compromised Patient (8th edition) American Diabetes Association (2020) Encyclopedia Britannica
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	Mayoclinic.org

Course Description Form

1. Course Name:
General Surgery
2. Course Code:
ISAU1402GS
3. Semester / Year:
Year
4. Description Preparation Date:
2017−2018
5. Available Attendance Forms:
Attendance sheets
6. Number of Credit Hours (Total) / Number of Units (Total)
90 hours/ 4 credits
7. Course administrator's name (mention all, if more than one name)
Name: Saif Anmar Badran Email: saif.anmar.sa@ibnsina.edu.iq Name: Mohammed Thakir Ismail Email: Mhammedthakir@gmail.com Name : Mohannad fakri

8. Course Objectives	
Course Objectives	• Help student to be capable of doing proper communication and examination of the patient • understand the pathophysiology and clinical scenario of many surgical pathologies • to get knowledge about basic surgical subjects • avoid and prevention of complications after some surgical procedures • be able to diagnose many diseases by inspection

9. Teaching and Learning Strategies	
Strategy	Using power point on data show in Al Razi Hall With brain storm questions and augments attention by let the student to share for common sense subject

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1. 1	1 hour	الاطلاع على نقل الدم ومشتقاته	Blood transfusion	Theory PPT	Written
2. 2	1 hour	ضبط التغذية وانواعها للمرضى	Nutrition	Theory PPT	Written
3. 3	1 hour	تعلم كيفية التئام الجروح والعوامل المثبطة لذلك	Wound healing	Theory PPT	Written
4. 4	1 hour	تعلم انواع الصدمة وعلاجها	Shock	Theory PPT	Written
5. 5	1 hour	تعلم تشخيص الخراج والقرحة	Ulcer fistula abscess	Theory PPT	Written
6. 6	1 hour	تعلم تفاصيل السوائل الجراحية واتواعها بالتفصيل	Fluid, electrolytes I	Theory PPT	Written
7. 7	1 hour	تعلم انواع اصابات الراس	Fluid, electrolytes II	Theory PPT	Written
8. 8	1 hour	تعلم تشخيص الاصابات	Head injury I	Theory PPT	Written
9. 9	1 hour	تعلم علاج الاصابات	Head injury II	Theory PPT	Written
10. 10	1 hour	تعلم تشخيص وعلاج حالات الطوارئ	Emergency medicine I	Theory PPT	Written
11. 11	1 hour		Emergency medicine II	Theory PPT	Written
12. 12	1 hour	تعلم تشريح وامراض الغدة	Thyroid gland I	Theory PPT	Written
13. 13	1 hour	الوراثية كذلك الضطرابات الغدة	Thyroid gland II	Theory PPT	Written
14. 14	1 hour	الوظيفية مع انواع الاورام للغدة الدرقية	Thyroid gland III	Theory PPT	Written
15. 15	1 hour		The larynx	Theory PPT	Written
16. 16	1 hour	تعلم العلاج والزرق العضلي	I.M. injection	Theory PPT	Written
17. 17	1 hour	تعلم اعطاء العقار المباشر	Parenteral administration	Theory PPT	Written
18. 18	1 hour	تلعم انواع الكسور وكيفية التئام الكسر وكيفية التشخيص	Orthopedic I	Theory PPT	Written
19. 19	1 hour		Orthopedic II	Theory PPT	Written
20. 20	1 hour	تعلم مهارات التواصل مع	Communication skills	Practical PPT	Slides exam
21. 21	1 hour	المريض مهع ضبط تفاصيل	General examination I	Practical PPT	Slides exam
22. 22	1 hour	كيفية الفحص السريري	General examination II	Practical PPT	Slides exam
23. 23	1 hour	تلعم كيفية فحص الاعصاب	Cranial nerve exam I	Practical PPT	Slides exam
24. 24	1 hour	تلعم كيفية فحص الاعصاب	Cranial nerve exam II	Practical PPT	Slides exam
25. 25	1 hour	معرفة تفاصيل الفحص	upper limbs dis and exam	Practical PPT	Slides exam
26. 26	1 hour	للاطراف السفلى والعليا مع	lower limb dis and exam	Practical PPT	Slides exam
27. 27	1 hour	تشيص تلك الحالات	Neck swellings	Practical PPT	Slides exam
		انواع الكتل في العنق			

28. Course Evaluation

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

29. Learning and Teaching Resources

Required textbooks (curricular books, any)	Bailey & Love's Short Practice of Surgery

Main references (sources)	Bailey & Love's Short Practice of Surgery Web sites
Recommended books and references (scientific journals, reports...)	Schwartz's Principles of Surgery Oxford Handbook of Clinical Surgery
Electronic References, Websites	https://teachmesurgery.com/

Course Description Form

1. Course Name:
Oral Pathology
2. Course Code:
ISU1403OP
3. Semester / Year:
Year
4. Description Preparation Date:
7/11/2024
5. Available Attendance Forms:
Attendance only
6. Number of Credit Hours (Total) / Number of Units (Total)
60 Hours / 6 credits
7. Course administrator's name (mention all, if more than one name)
Shahad Abbas Azeez Email: ShahadWaheed@yahoo.com
8. Course Objectives
Course Objectives To learn about different diseases affecting the oral cavity and adjacent structures To understand the clinical, radiographic and histopathological features of oral Diseases. To learn how to formulate differential diagnosis and how to reach the final diagnosis
9. Teaching and Learning Strategies

Strategy	• Theoretical lectures • Laboratory sessions, viewing slides under the microscope • Interactive learning • Cases-based discussion

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	• Introduction to oral pathology • Biopsy principles and techniques • Types of biopsy • Indications for biopsy • Histochemical Stains	Biopsy in oral pathology	lecture using powerpoint	Written exams
2	2	• Healing mechanisms • Factors that Influence Tissue healing • Healing of biopsy wounds • Types of wound healing • Healing of extraction sockets Complications of wound healing	Healing in oral pathology	lecture using powerpoint	Written exams
3	2	• Epidemiology of dental caries • Etiology of dental caries • Clinical classification of dental caries Histopathology of dental caries	Dental Caries	lecture using powerpoint	Written exams
4	2	• Causes of pulp diseases • Diagnosis of dental pain Clinically normal pulp • Reversible pulpitis • Irreversible pulpitis • Necrotic pulp Chronic hyperplastic pulpitis	Diseases of the pulp	lecture using powerpoint	Written exams
5	2	• Etiology of periapical periodontitis • Normal apical tissue • Acute apical periodontitis • Periapical granuloma	Periapical lesions	lecture using powerpoint	Written exams

		• Periapical abscess • Cellulitis Radicular cyst			
6	2	• Predisposing factors for osteomyelitis • Suppurative osteomyelitis • Primary chronic osteomyelitis • Focal sclerosing osteomyelitis • Proliferative periostitis Alveolar osteitis	Osteomyelitis	lecture using powerpoint	Written exams
7	2	• Fibrous dysplasia • Ossifying fibroma • Cemento-osseous dysplasia • Osteogenesis imperfecta • Osteopetrosis • Cleidocranial dysplasia Idiopathic osteosclerosis	Fibro osseous lesions, metabolic and genetic conditions	lecture using powerpoint	Written exams
8	2	• Peripheral giant cell granuloma • Central giant cell granuloma • Giant cell tumor • Aneurysmal bone cyst • Cherubism Brown tumor	Giant cell lesions	lecture using powerpoint	Written exams
9	2	1- Developmental disorder in the number of teeth. 2- Developmental disorder in the size of teeth. 3- Developmental disorder in the shape of teeth. 4- Developmental disorder in the eruption of teeth. 5- Developmental disorder in structure of teeth.	Developmental disorder of teeth	lecture using powerpoint	Written exams
10	2	• Orofacial clefts • Lip pits • Fordyces granules • Leukoedema • Developmental anomalies of the tongue Developmental defects the bone	Developmental disorder of soft and hard tissue	lecture using powerpoint	Written exams
11	2	• Nasolabial cyst • Nasopalatine duct cyst • Palatal cysts of newborn • Branchial cleft cyst • Oral lymphoepithelial cyst	Non odontogenic cysts	lecture using powerpoint	Written exams

		Dermoid and epidermoid c			
12	2	1. Dentigerous cyst 2. Eruption cyst 3. Odontogenic keratocyst 4. Orthokeratinized odontogenic cyst 5. Gingival cyst of the newborn 6. Gingival cyst of the adult 7. Lateral periodontal cyst 8. Calcifying odontogenic cyst	Odontogenic cysts	lecture using powerpoint	Written exams
13	2	Benign epithelial odontogenic tumours Adenomatoid odontogenic tumour Squamous odontogenic tumour Calcifying epithelial odontogenic tumour Ameloblastoma, unicystic Ameloblastoma, extraosseous/peripheral Ameloblastoma, conventional Adenoid ameloblastoma Metastasizing ameloblastoma	Odontogenic tumors 1	lecture using powerpoint	Written exams
14	2	Benign mesenchymal odontogenic tumours Benign mixed epithelial & mesenchymal odontogenic tumours Malignant odontogenic tumours	Odontogenic tumors 2	lecture using powerpoint	Written exams
15	2	• HPV associated oral lesions Oral White lesions	Benign epithelial lesions, leukoplakia	lecture using powerpoint	Written exams
16	2	• Hyperplasia • Dysplasia Premalignant conditions	Epithelial Hyperplasia, atrophy and dysplasia	lecture using powerpoint	Written exams
17	2	• Squamous cell carcinoma • Etiology of SCC • Clinical features of SCC • Histopathology of SCC • Grading and staging Variants of SCC	Squamous cell carcinoma and other malignant epithelial neoplasms	lecture using powerpoint	Written exams
18	2	• Osteoma • Osteoblastoma • Osteoid osteoma Hemangioma of bon	Benign tumor of the bone	lecture using powerpoint	Written exams
19	2	• Osteosarcoma Chondrosarcoma	Malignant tumor of the bone	lecture using powerpoint	Written exams

20	2	• Herpes simplex I • Varicella zoster virus • Epstein barr virus • Hand-foot-mouth disease HIV	Viral infection	lecture using powerpoint	Written exams
21	2	• Necrotizing periodontal disease • SYPHILIS • Tuberculosis • Actinomycosis Candida infection	Bacterial and fungal infection	lecture using powerpoint	Written exams
22	2	• Lichen planus • Lichenoid reaction Aphthous ulceration	Immune mediated disorder 1	lecture using powerpoint	Written exams
23	2	• Pemphigus vulgaris • Mucous membrane pemphigoid Erythema multiform	Immune mediated disorder 2	lecture using powerpoint	Written exams
24	2	• Tumors of fibrous connective tissue • Tumors of adipose tissue Vascular tumors	Connective tissue lesions 1	lecture using powerpoint	Written exams
25	2	peripheral nerve sheath tumors Tumors of smooth muscle Tumors of skeletal muscle	Connective tissue lesions 2	lecture using powerpoint	Written exams
26	2	• Mucocele • Xerostomia • Necrotizing sialometaplasia • Sialadenitis • Salivary stones • Mumps Sjögren syndrome	Salivary gland disorders	lecture using powerpoint	Written exams
27	2	• Pleomorphic adenoma • Warthin tumor • Adenoid cystic carcinoma Mucoepidermoid carcinoma	Salivary gland neoplasms	lecture using powerpoint	Written exams
28	2	• Linea alba • Chronic cheek biting • Traumatic ulceration • Electric and thermal burns Chemical injuries	Physical and chemical injuries	lecture using powerpoint	Written exams

29	2	• Burkitt lymphoma • Ewing sarcoma Langerhans histiocytoisis	Hematopoietic tumors	lecture using powerpoint	Written exams
30	2	Introduction to forensic dentistry	Forensic dentistry	lecture using powerpoint	Written exams

11. Course Evaluation

Distributing the score out of 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)	1- Oral and maxillofacial pathology. Brad Neville, Douglas Dam Carl Allen and Jerry Bouquet. 4th edition. 2016, Elsevier. 2- Robinson, M., Hunter, K., Pemberton, M. and Sloan, P., 2018. Soames'& Southam's Oral Pathology. Oxford University Press
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

1. Course Name:
Oral surgery
2. Course Code:
ISU1404OS
3. Semester / Year:
Year
4. Description Preparation Date:
20.11.2023
5. Available Attendance Forms:
6. Number of Credit Hours (Total) / Number of Units (Total)
30hrs theory, 60 hrs clinical training/ 4 credits
7. Course administrator's name (mention all, if more than one name)
Name: assistant lecturer nagham hussein ali Email: nagham. h74@gmail.com
8. Course Objectives

Course Objectives	• having the broad knowledge in OS • Acquiring the necessary knowledge on de implant surgery • Having essential knowledge on in manag medically compromised patients
9. Teaching and Learning Strategies	
Strategy	Enabling the students to balance between relevant theoretical and diagnos knowledge and their surgical skills, and ensure having problem solving abilit for surgical conditions
10. Course Structure	

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	1	1- Surgical diagnosis 2- Knowledge available approac in management 3- Knowledge outline on surgi approach 4- Outline knowledge expected complications	Cardiovascular diseases	Power points lectures	Daily exam Mid and final exam.
2	1		Cardiovascular diseases		
3	1		Bleeding disorder		
4	1		Endocrinology		
5	1		Pulmonary diseases		
6	1		Liver Diseases		
7	1		Chronic kidney disease and dialysis		
8	1		Neurologic Disorders		
9	1		Pregnancy		
10	1		AIDS and HIV infection		
11	1		Rheumatologic and connective tissue disorders		
12	1		Allergy		
13	1		Patients on radiotherapy and chemotherapy		
15	2		Odontogenic infections and fascial space infections		
16	1		---------- Odontogenic infections and fascial space infections		

17	1		Principles of Flaps, suturing and management of difficult extraction		
18	1				
21	3		Principles of management of impacted teeth		
22	1		Surgical aids to orthodontics		
24	2		Principles of endodontic surgery		
25	1		Osteomyelitis and osteonecrosis of the jaw		
26	1		Radiation induced osteomyelitis and osteoradionecrosis		
28	2		Dental Implants: Basic Concepts and Techniques		
29	1		Biopsy in oral and maxillofacial surgery		
30	1		Diagnostic imaging in oral and maxillofacial surgery		

11. Course Evaluation

60 degrees for the final exam. 15 degrees for the midyear exam. 15 degrees on the clinical requirements. 5 degrees for the summer training. 5 degrees on the daily quizzes

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Contemporary Oral and Maxillofacial Surgery Little and Falace's Dental Managemen the Medically Compromised Patient Edition2018
Main references (sources)	

Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

1. Course Name:
orthodontics
2. Course Code:
ISU1405OD
3. Semester / Year:
٢٠٢٤–2025: year
4. Description Preparation Date:
٢٠٢٤\٢\١٤
5. Available Attendance Forms:
Attendance in the classroom for the theoretical subject
6. Number of Credit Hours (Total) / Number of Units (Total)
90 hours/4credits
7. Course administrator's name (mention all, if more than one name)
Name: Lecturer Hayder Jasim Attar Email: Hjadent @ibnsina.edu.iq
8. Course Objectives

Course Objectives	• **Preparing the student at a high level of science regardin orthodontics and** • **identifying the types of pathological conditions and malocclusions, the causes that lead to them, and the types of orthodontic devices.** • **• Skills objectives of the course:** • **1. Diagnosing cases of malocclusion** • **2. Knowing the types of orthodontic devices related to each case.** • **• Emotional and value goals** • **• Solve problems related to malocclusion using removab orthodontic devices.**
9. Teaching and Learning Strategies	
Strategy	• Lectures using Power Point (data show) • Training in lab for construction of removable orthodontic appliance

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	1		Introduction Definition of orthodontics Definition of occlusion, normal occlusion, ideal occlusion malocclusion Six keys of normal occlusion		
2	1		Aims of orthodontic treatment Orthodo definitions (overjet, overbite, crossbite, spacing		
3	1		Classification of malocclusion a. Angle's classification including division and subdivisions		
4	1		b. molar, canine, incisor classifications		
5	1		Definitions of growth, development maturity Stages of development		
6	1		Definitions of growth site, growth center, displacement, and drift		
7	1		- Growth and development of hard tissues (cranial base, cranial vault, nasomaxillary complex,		
8	1		Developmental anomalies Jaw rotation adaptation		
9	1		Deciduous and permanent dentition		
10	1		Tooth eruption (stages and theories)		
11	1		Development of occlusion a. new born cavity (relationship of gum pads, neonatal relationships, natal and neonatal teeth)		
12	1		c-Early mixed dentition stage – eruption of first molars and incisors		
13	1		Etiology of malocclusion: Genetic factors and inherited factors Classification of etiological factors General factors		
14	1		ii- Soft tissue (muscles of face mastication, muscles of lip and tongue		
15	1		b. Local factor i-Extra-teeth (supernumerary) and missing teeth (hypodontia)		
16	1		iii- Early loss of deciduous teeth		
17	1		Abnormal eruptive behavior (displacement, transposition) vi. Large frenum		
18	1		vii. Oral habit viii. Dental caries,		

			improper dental restoration		
19	1		Tooth movement a. Tissue changes associated with tooth movement		
20	1		b. Biomechanics i. Force (application, type, magnitude, duration and direction)		
21	1		iii. Types of tooth movement iv. Rate of tooth movement and factors affecting it		
22	1		Orthodontic appliances a. Overview: i. passive orthodontic appliances (habit breaker, retainer and space maintainer) ii. active orthodontic appliances		
23	1		b. Removable Orthodontic Appliance Properties of various components (SS w acrylic)		
24	1		2) retentive components (clasps) 3) acr base plate and bite planes 4) anchorage		
25	1		iii. Design of a removable orthodo appliance iv. Construction of a remov orthodontic appliance		
26	1		V.Soldering and welding vi. Post-inser instructions and guidelines		
27	1		c. Fixed orthodontic appliance:		
28	1		Use of extra-oral anchora temporary anchorage devi (TADs), and lingual fixed applian		
29	1		d. Orthopedic and Myofunctic appliance:		
30	1		f. Retention and retainers – Retention (definition, reason, time)		

11. Course Evaluation

Distributing the score out of 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)	• Orthodontics; current principles and technique -Introduction to orthodontic • -Contemporary Orthodontics,William R. Proffit Sixth edition -Textbook of Orthodontics Singh 2007
Main references (sources)	
Recommended books and references (scientific	

journals, reports…)	
Electronic References, Websites	

Course Description Form

1. Course Name:
Pediatric Dentistry
2. Course Code:
ISU1406PD
3. Semester / Year:
Year
4. Description Preparation Date:
11/9/2024
5. Available Attendance Forms:
6. Number of Credit Hours (Total) / Number of Units (Total)
90 hours / 4 credits
7. Course administrator's name (mention all, if more than one name)
Name: Prof. Dr. Baydaa Ali Othman Email: baydaa.alrawi@ibnsina.edu.iq
8. Course Objectives
1. Understanding and assimilating theoretical and practical methods for treating all cases of children's dental injuries 2. Learn about scientific methods and methods supported by means of explanation to learn how to determine primary and permanent teeth and the problems related to them.
9. Teaching and Learning Strategies

Strategy	
	1. Microsoft power point lecture method 2. Discussion method. 3. Report method. 4. The method of e-learning within the university campus is by uploading the lectures on the college's website for the lectures of teachers in the college.

10. Course Structure					
Week	**Hours**	**Required Learning Outcomes**	**Unit or subject name**	**Learning method**	**Evaluation method**
١	1 theory 2 seminar	Eruption of teeth , normal eruption process	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method.	Daily, weekly, monthly exam, mid-year and final exam
٢	1 theory 2 seminar	Teething and difficult eruption	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method.	Daily, weekly, monthly exam, mid-year and final exam
٣	1 theory 2 seminar	Eruption haematoma , sequestrum ,ectopic eruption	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method.	Daily, weekly, monthly exam, mid-year and final exam
٤	1 theory 2 seminar	Factors causes differences in time of eruption	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method.	Daily, weekly, monthly exam, mid-year and final exam
٥	1 theory 2 seminar	Systemic (disease) Factors which cause late eruption Deciduous Dentition Period, Ugly Duckling Stage	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method.	Daily, weekly, monthly exam, mid-year and final exam

٦	1 theory 2 seminar	Morphology of the primary teeth	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method.	Daily, weekly, monthly exam, mid-year and final exam
٧	1 theory 2 seminar	Normal morphology of all primary teeth and their clinical consideration	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method.	Daily, weekly, monthly exam, mid-year and final exam
٨	1 theory 2 seminar	Morphological differences between primary and permanent teeth	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method.	Daily, weekly, monthly exam, mid-year and final exam
٩	1 theory 2 seminar	Functions of primary teeth	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method.	Daily, weekly, monthly exam, mid-year and final exam
١٠	1 theory 2 seminar	Dental caries; Definition and Classification	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method.	Daily, weekly, monthly exam, mid-year and final exam
١١	1 theory 2 seminar	Rampant dental caries, Early childhood caries,	Pediatric Dentistry	Microsoft power point lecture method, Discussion method.,	Daily, weekly, monthly exam, mid-year and final exam

				Report method.	
١٢	1 theory 2 seminar	Restorative dentistry for children Isolation and maintenance of dry field and application of the rubber Dam	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method.	Daily, weekly, monthly exam, mid-year and final exam
١٣	1 theory 2 seminar	Morphological consideration ,cavity preparation Cavity preparation on primary teeth,	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method.	Daily, weekly, monthly exam, mid-year and final exam
١٤	1 theory 2 seminar	Restorative materials used on pediatric dentistry	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method.	Daily, weekly, monthly exam, mid-year and final exam
١٥	1 theory 2 seminar	Matrices and retainers	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method.	Daily, weekly, monthly exam, mid-year and final exam
١٦	1 theory 2 seminar	Chrome steel crowns, Atraumatic Restorative Treatment (ART)	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method.	Daily, weekly, monthly exam, mid-year and final exam
١٧	1 theory 2 seminar	Treatment of deep caries	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report	Daily, weekly, monthly exam, mid-year and final exam

				method.	
١٨	1 theory 2 seminar	Indirect pulp treatment	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method.	Daily, weekly, monthly exam, mid-year and final exam
١٩	1 theory 2 seminar	Vital pulp therapy pulpotomy	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method.	Daily, weekly, monthly exam, mid-year and final exam
٢٠	1 theory 2 seminar	Non vital pulp therapy technique	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method.	Daily, weekly, monthly exam, mid-year and final exam
٢١	1 theory 2 seminar	Reaction of pulp to various capping material	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method.	Daily, weekly, monthly exam, mid-year and final exam
٢٢	1 theory 2 seminar	Local anesthesia and pain control for children	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method.	Daily, weekly, monthly exam, mid-year and final exam
٢٣	1 theory 2 seminar	Anesthetizing mandibular and maxillary teeth and soft tissue	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method.	Daily, weekly, monthly exam, mid-year and final exam
٢٤	1 theory	complications	Pediatric	Microsoft	Daily, weekly,

	2 seminar	after a local anesthetic	Dentistry	power point lecture method, Discussion method., Report method.	monthly exam, mid-year and final exam
٢٥	1 theory 2 seminar	supplemental injection techniques	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method.	Daily, weekly, monthly exam, mid-year and final exam
٢٦	1 theory 2 seminar	Oral surgery for children, indication and contrain dication for extraction of primary teeth,	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method.	Daily, weekly, monthly exam, mid-year and final exam
٢٧	1 theory 2 seminar	technique for extraction of primary teeth	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method.	Daily, weekly, monthly exam, mid-year and final exam
٢٨	1 theory 2 seminar	extraction complications	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method	Daily, weekly, monthly exam, mid-year and final exam
٢٩	1 theory 2 seminar	postoperative extraction complications, radiographic survey of teeth extracted	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method.	Daily, weekly, monthly exam, mid-year and final exam
٣٠	1 theory 2 seminar	Infections manifestation and management	Pediatric Dentistry	Microsoft power point lecture	Daily, weekly, monthly exam, mid-

				method, Discussion method., Report method.	year and final exam

11. Course Evaluation

Distributing the score out of 100 according to the followings: 20% first and second semesters. 20% mid year exam, 60% final exam

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	McDonald and Avery Dentistry for the Child Adolescent .2011 (Ninth Edition) ISBN 978-0-3 28745-6,MOSBY ELSEVIER3251 River LaneMaryland Heights, Missouri 63043.
Main references (sources)	Handbook of Pediatric Dentistry .2013Fourth edi 2013, ISBN 9780723436959, British Lib Cataloguing in Publication Data
Recommended books and references (scientific journals, reports…)	• Journal of Dentistry for Children. • Journal of Clinical Pediatric Dentistry. • International Journal of Paediatric Dentistry. • European archives of paediatric dentistry : official journal of the European Academy of Paediatric Dentistry. • Journal of Dental Traumatology. • Pediatric Dental Journal. • Journal of Dentistry for Children.
Electronic References, Websites	American Academy of Pediatric Dentistry https://www.aapd.org/ The International Association of Dental Traumatology (IADT)

Course Description Form

1. Course Name:	
Periodontics	
2. Course Code:	
ISU1407PD	
3. Semester / Year:	
year	
4. Description Preparation Date:	
14\10\2024	
5. Available Attendance Forms:	
6. Number of Credit Hours (Total) / Number of Units (Total)	
75 hours\5 credits	
7. Course administrator's name (mention all, if more than one name)	
Name: Khulood Waleed Abdul Rahman Email: dr_khuloodwaleed@yahoo.com	
8. Course Objectives	
Course Objectives	**Full information about periodontology is given, structure, histology and pathology of periodontium, periodontal diseases with the factors and predisposing factors affecting thes diseases with upto date classification of periodontal diseases using specific indicies in orc to reach accurate diagnosis for appropriate treatment plan.** **In dental clinic, full demonstration is given regarding manipulation of periodontal instrume patient management, manual technique of calculus removal, sterilization in addition instruction and motivation in periodontal clinic.**
9. Teaching and Learning Strategies	

Strategy	1- PowerPoint lectures 2- Discussion method 3- Report method 4- Workshop method 5- Practical training in educational clinics in the college

10- Course Structure

weeks	hours	Required learning outcomes	Unite or subject name	Learning method	Evaluation method
1	1 theory 3 clinical	Terms & definitions frequently used in periodontology	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
2	1 theory 3 clinical	Anatomy of the periodontium, oral mucosa	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
3	1 theory 3 clinical	Anatomy of the periodontium , Periodontal ligaments (PDL)	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
4	1 theory 3 clinical	Anatomy of the periodontium -Cementum	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
5	1 theory 3 clinical	Anatomy of the periodontium -Alveolar process	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams

6	1 theory 3 clinical	Periodontal instruments and sharpening	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
7	1 theory 3 clinical	Classification of periodontal diseases and conditions (2017) reasons for classification	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
8	1 theory 3 clinical	Periodontal indices	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
9	1 theory 3 clinical	Classification of periodontal diseases and conditions (2017), periodontitis.	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
10	1 theory 3 clinical	Periodontal abscess.	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
11	1 theory 3 clinical	Periodontal disease pathogenesis	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
12	1 theory 3 clinical	Dental plaque biofilm.	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
13	1 theory 3 clinical	Microbiologic specificity of periodontal diseases	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
14	1 theory 3 clinical	Dental calculus	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams

15	1 theory 3 clinical	Dental stain	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
16	1 theory 3 clinical	Risk factors for periodontal diseases.	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
17	1 theory 3 clinical	Molecular biology of host–microbe interactions.	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
18	1 theory 3 clinical	Smoking and Periodontal Disease	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
19	1 theory 3 clinical	Impact of periodontal infection on systemic health	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
20	1 theory 3 clinical	Periodontal disease and asthma	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
21	1 theory 3 clinical	The periodontal pocket	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
22	1 theory 3 clinical	Periodontal disease activity.	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
23	1 theory 3 clinical	Treatment plan guidelines § - Phase 1	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
24	1 theory 3 clinical	Treatment plan guidelines	periodontics	Theoretical lecture using Power Point,	Short, semester,

		- Phase 2		discussion, workshop and practical training in educational clinics	mid-term and final exams
25	1 theory 3 clinical	Treatment plan guidelines - Phase 3	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
26	1 theory 3 clinical	Treatment plan guidelines - Phase 4	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
27	1 theory 3 clinical	Plaque biofilm control for the periodontal patient	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
28	1 theory 3 clinical	Chemical plaque biofilm control with oral rinses	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
29	1 theory 3 clinical	Breath Malodor (Halitosis)	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
30	1 theory 3 clinical	Systemic anti-infective therapy for periodontal diseases	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams

11−Course Evaluation

Marks distribution as follows:
25 marks for quizzes, semesters exams and clinical requirement for both first and second semesters.
15 marks for mid- year exam.
60 marks for final exam
Total mark= 100 marks

12−Learning and Teaching Resources

Required textbooks (curricular books, if any)	Newman and Carranza's periodontolc and implantology
Main references (sources)	

Recommended books and references (scientific journals, reports…)	Lindhe's clinical periodontology a implant dentistry
Electronic References, Websites	

Course Description Form

1. Course Name:
Prosthodontics
2. Course Code:
ISU1408PD
3. Semester / Year:
year
4. Description Preparation Date:
14\10\2024
5. Available Attendance Forms:
6. Number of Credit Hours (Total) / Number of Units (Total)
90 hours\4 credits
7. Course administrator's name (mention all, if more than one name)
Name: Ahmed Ghaith Ahmed Khalaf Email: ahmedghaith85@ibnsina.edu.iq
8. Course Objectives

Course Objectives	**1- 1- In the dental laboratory, complete information is given about the process of makin partial denture made of cobalt chrome and acrylic in a detailed manner, which makes practical steps of the denture making process easy and clear for the student through application..** **2- How to deal with the tools, devices and materials used in making the kit and teach the student how to use them and follow the work step by step.** **2 - Identifying the terms used in explaining the curriculum, which are used for four years study,starting from the second stage until the fifth stage.**

9. Teaching and Learning Strategies

Strategy	1- PowerPoint lectures 2- Discussion method 2 - Report method 4- Workshop method 5- Practical training in educational clinics in the college

10- Course Structure

weeks	hours	Required learning outcomes	Unite or subject name	Learning method	Evaluation method
1	1 theory 2 laboratory	Introduction to Removable Partial Dentures	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
2	1 theory 2 laboratory	Classification of Partially Edentulous Arches	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
2	1 theory 2 laboratory	Surveying	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
4	1 theory 2 laboratory	Surveying (continue)	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
5	1 theory 2 laboratory	Component Parts of a Removable Partial Denture	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
6	1 theory 2	MaxillaryMajor Connectors	prosthodontics	Theoretical lecture using Power Point,	Short, semester,

	laboratory			discussion, workshop and practical training in educational clinics	mid-term and final exams
7	1 theory 2 laboratory	MandibularMajor Connectors	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
8	1 theory 2 laboratory	Minor Connectors	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
9	1 theory 2 laboratory	Rests and Rest Seats	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
10	1 theory 2 laboratory	Retention and Removable Partial Denture Retainers	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
11	1 theory 2 laboratory	Extra Coronal Direct Retainers)Types of clasp assemblies	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
12	1 theory 2 laboratory	Intracoronal Direct Retainers Internal) Attachments, Precision Attachments	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
12	1 theory 2 laboratory	Stress-Breakers (Stress Equalizers)	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
14	1 theory 2 laboratory	Indirect Retainers	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
15	1 theory 2 laboratory	Indirect Retainers (continue)	prosthodontics	Theoretical lecture using Power Point, discussion, workshop	Short, semester, mid-term and

				and practical training in educational clinics	final exams
16	1 theory 2 laboratory	Laboratory procedures in RPD construction: Blockout and Relief	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
17	1 theory 2 laboratory	Laboratory procedures in RPD construction: Duplication and Refractory Cast Construction	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
18	1 theory 2 laboratory	Laboratory procedures in RPD construction: Wax Pattern	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
19	1 theory 2 laboratory	Laboratory procedures in RPD construction: Casting and Finishing	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
20	1 theory 2 laboratory	Denture Base in RPD	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
21	1 theory 2 laboratory	Record Bases, ‹Occlusion Rims Mounting and Arrangement ofTeeth	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
22	1 theory 2 laboratory	Biomechanics ofRemovable Partial Dentures	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
22	1 theory 2 laboratory	Biomechanics ofRemovable Partial Dentures (continue)	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
24	1 theory 2 laboratory	Principles ofRemovable Partial Denture Design	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training	Short, semester, mid-term and final exams

				in educational clinics	
25	1 theory 2 laboratory	Principles ofRemovable Partial Denture Design (continue)	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
26	1 theory 2 laboratory	Clinical Phases ofRemovable Partial Denture Construction	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
27	1 theory 2 laboratory	Acrylic Removable Partial Dentures	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
28	1 theory 2 laboratory	Flexible Removable Partial Dentures	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
29	1 theory 2 laboratory	Repairs and Additions to Removable Partial Dentures	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
2 0	1 theory 2 laboratory	Digitally Designed & Fabrication Process of RPD Framework Using CAD/CAM System	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams

11-Course Evaluation

Distribution as follows: 25 marks for daily and monthly exams and practical requirements for the first and second semesters. 15 marks for mid-year exams. 60 marks for final exams = 100 marks

12-Learning and Teaching Resources

Required textbooks (curricular books, if any)	Carr, A.B. Brown, D.T. (2011) McCracken's Removab Partial Prosthodontics.12th ed. St. Louis, Missouri: Mosby, Inc., Elsevier Inc. ▪ Robert, W. L. (2018) Removable Partial Denture Manual. Dalhousie University. ▪ Phoenix, D. R. Cagna, R. D. Charles, F. D (2008) Stewart's Clinical Removable Partial

	Prosthodontics. 4th ed. Quintessence Publishing Co, Inc. ▪ GPT9 2017. The Glossary of Prosthodontic Terr J Prosth. Dent. ▪ Zoidis P, Papathanasiou I, Polyzois G. The use a modified poly-etherether- ketone (PEEK) as an alternative framework material for removable denta prostheses. A clinical report. J Prosthodont 2016;25:58(McCracken's removable partial prosthodont 12 th edition 2016 by Elsevier, Inc
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

1. Course Name:
Conservative Dentistry
2. Course Code:
ISU1409CD
3. Semester / Year:
Year
4. Description Preparation Date:
6\11\2024
5. Available Attendance Forms:
6. Number of Credit Hours (Total) / Number of Units (Total)
120 hours\5 credits
7. Course administrator's name (mention all, if more than one name)
Name: Mohammed Qasim Mohammed Email: mkmdent@ibnsina.edu.iq
8. Course Objectives

Course Objectives	**1- In the dental clinic, complete information is given about the process of making a partial denture in a detailed manner, which makes the practical steps of the denture making process easy and clear for the student through its application.** **2- How to deal with dental patients and how to deal with tools, devices and materials making dentures and teaching the student how to use them and follow the work step step.** **3- Learn how restore teeth, and learn the terms used in explaining the curriculum, which used for four years of study, starting from the second stage until the fifth stage.**

9. Teaching and Learning Strategies	
Strategy	1- PowerPoint lectures 2- Discussion method 3- Report method 4- Workshop method 5- Practical training in educational clinics in the college

10- Course Structure

weeks	hours	Required learning outcomes	Unite or subject name	Learning method	Evaluation method
1	1 theory 3 clinical	Biologic Considerations of Enamel structure and its Clinical Significance in Practice of Operative Dentistry.	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
2	1 theory 3 clinical	Biologic Considerations of Enamel structure and its Clinical Significance in Practice of Operative Dentistry.	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
3	1 theory 3 clinical	Biologic Considerations of Dentin structure & its Clinical Significance in Operative Dentistry	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
4	1 theory 3 clinical	Biologic Considerations of Dentin structure & its Clinical Significance in Operative	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams

		Dentistry			
5	1 theory 3 clinical	Patient Evaluation , Diagnosis & Treatment Planning	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
6	1 theory 3 clinical	Caries Management (Diagnosis & treatment strategies)	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
7	1 theory 3 clinical	Cervical Lesions(carious and non carious lesions)	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
8	1 theory 3 clinical	Restorative Dentistry and Pulpal Health	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
9	1 theory 3 clinical	Management of Deep Seated Caries	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
10	1 theory 3 clinical	Inflammatory Conditions of the Pulp	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
11	1 theory 3 clinical	Treatment of Deep Seated Caries Simplified anatomical modeling.	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
12	1 theory 3 clinical	Fluoride – Releasing Materials	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
13	1 theory 3 clinical	Indirect aesthetic adhesive restorations Inlays and Onlays (materials ,techniques) CAD/CAM Technology.	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
14	1 theory 3 clinical	Direct tooth-colored restorations(Composite)	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams

15	1 theory 3 clinical	Dental Laser	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
16	1 theory 3 clinical	Application of Laser in Conservative Dentistry.	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
17	1 theory 3 clinical	Application of Laser in Conservative Dentistry.	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
18	1 theory 3 clinical	Indirect tooth-colored restorations	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
19	1 theory 3 clinical	Techniques of posterior composite Inlay/Onlay restoration system Laboratory-processed composite inlays and onlays.	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
20	1 theory 3 clinical	Ceramic veneers, inlays and onlays, clinical procedures.	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
21	1 theory 3 clinical	Ceramic veneers, inlays and onlays, clinical procedures.	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
22	1 theory 3 clinical	CAD/CAM techniques	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
23	1 theory 3 clinical	Topics Covered	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
24	1 theory 3 clinical	1-Objective of endodontic treatment	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
25	1 theory 3 clinical	2- Basic Phases of Treatment	operative dentistry and	Theoretical lecture using Power Point, discussion,	Short, semester, mid-term and

			endodontics	workshop and practical training in educational clinics	final exams
26	1 theory 3 clinical	3- Pulp pathologies	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
27	1 theory 3 clinical	Classification of periapical diseases	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
28	1 theory 3 clinical	Access Opening Preparation	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
29	1 theory 3 clinical	Endodontic Instruments	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
30	1 theory 3 clinical	Roentgenography in Endodontics and Root canal preparation	operative dentistry and endodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams

11-Course Evaluation

Distribution as follows: 25 marks for daily and monthly exams and practical requirements for the first and second semesters. 15 marks for mid-year exams. 60 marks for final exams = 100 marks

12-Learning and Teaching Resources

Required textbooks (curricular books, if any)	1. Summitt's fundamentals of operative dentistry: A contemporary approach. 4th edition..
Main references (sources)	1. Dental composite materials for direct restorations. Vesna Miletic Springer, eBoo 2018. 2. Textbook of operative dentistry. 3rd editio Nisha Garg, Amit Garg. 3. Cohen's Pathways of the Dental Pulp. 12th Louis H. Berman and Kenneth M. Hargreaves. 4. Textbook of Endodontics. 2nd ed. 2010. Nis

	Garg, Amit Garg
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

1. Course Name:
Prosthodontics
2. Course Code:
ISU1501PD
3. Semester / Year:
Year
4. Description Preparation Date:
10\11\2024
5. Available Attendance Forms:
6. Number of Credit Hours (Total) / Number of Units (Total)
120 hours\5 credits
7. Course administrator's name (mention all, if more than one name)
Name: Rihab Amer Kareem Email: rihab.amer@ibnsina.edu.iq
8. Course Objectives

Course Objectives	**1- In the dental clinic, complete information is given about the process of making a complete denture in a detailed manner, which makes the practical steps of the denture making process easy and clear for the student through its application.** **2- How to deal with dental patients and how to deal with tools, devices and materials making dentures and teaching the student how to use them and follow the work sequence** **3- Learn how to make complete dentures, and learn the terms used in explaining curriculum, which are used for four years of study, starting from the second stage until fifth stage.**

9. Teaching and Learning Strategies	
Strategy	1- PowerPoint lectures 2- Discussion method 3- Report method 5- Practical training in educational clinics in the college

10- Course Structure

weeks	Hours	Required learning outcomes	Unite or subject name	Learning method	Evaluation method
1	1 theory 3 clinical	Occlusion in complete denture	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
2	1 theory 3 clinical	Occlusion in complete denture(continue)	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
3	1 theory 3 clinical	Retention, stability and support	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
4	1 theory 3 clinical	Retention, stability and support (continue)	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
5	1 theory 3 clinical	Post insertion problems	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
6	1 theory	Post insertion	prosthodontics	Theoretical lecture	Short,

	3 clinical	problems(continue)		using Power Point, discussion, workshop and practical training in educational clinics	semester, mid-term and final exams
7	1 theory 3 clinical	Complications of complete denture	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
8	1 theory 3 clinical	Complications of complete denture(continue)	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
9	1 theory 3 clinical	Immediate denture	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
10	1 theory 3 clinical	Immediate denture(continue)	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
11	1 theory 3 clinical	Classification system for completely edentulous patient	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
12	1 theory 3 clinical	Classification system for completely edentulous patient(continue)	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
13	1 theory 3 clinical	Posterior paltal seal area	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
14	1 theory 3 clinical	Single CD	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
15	1 theory 3 clinical	Single CD (continue)	prosthodontics	Theoretical lecture using Power Point, discussion, workshop	Short, semester, mid-term and

				and practical training in educational clinics	final exams
16	1 theory 3 clinical	Geriatric patient	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
17	1 theory 3 clinical	Maxillofacial prosthesis	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
18	1 theory 3 clinical	Maxillofacial prosthesis(continue)	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
19	1 theory 3 clinical	Residual ridge resorption (RRR)	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
20	1 theory 3 clinical	Residual ridge resorption (RRR)(CONTINUE)	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
21	1 theory 3 clinical	Dental implantology	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
22	1 theory 3 clinical	Dental implantology(continue)	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
23	1 theory 3 clinical	Esthetic in CD	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
24	1 theory 3 clinical	Characteristics of ideal materials for dental implant	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams

25	1 theory 3 clinical	Copy denture	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
26	1 theory 3 clinical	Over denture	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
27	1 theory 3 clinical	Over denture(continue)	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
28	1 theory 3 clinical	Neutral zone in CD	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
29	1 theory 3 clinical	Attachments in over denture	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
30	1 theory 3 clinical	Attachments in over denture(continue)	prosthodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams

11-Course Evaluation

Distribution as follows: 25 marks for daily and monthly exams and practical requirements for the first and second semesters. 15 marks for mid-year exams. 60 marks for final exams = 100 marks

12-Learning and Teaching Resources

Required textbooks (curricular books, if any)	Zarb, Hobkirk, Eckert, Jacob et Prosthodontic treatment for edentul patients: Complete dentures and impla supported prostheses.13th edition 2013 Mosby, Elsevier Inc. ▪ Golden and Dris Treating the complete denture patient. edition 2020 John Wiley & Sons, Inc
Main references (sources)	

Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

1. Course Name:
Oral Medicine
2. Course Code:
ISU1502OM
3. Semester / Year:
Year 2024–2025
4. Description Preparation Date:
15/9/2024
5. Available Attendance Forms:
Attendance
6. Number of Credit Hours (Total) / Number of Units (Total)
150 hours / 5 units
7. Course administrator's name (mention all, if more than one name)
Name: Assit. Prof. Dr. Wajnaa Fareed Qasim Email: Wajnaa.qassim@ibnsina.edu.iq
8. Course Objectives

Course Objectives	**–Diagnose oral and dental diseases…..** **–Follow a scientific treatment plan…..** **–Management of TMD and oral &maxillofacial pain…..**

9. Teaching and Learning Strategies	
Strategy	Daily attendance. Focus and engagement. Interactive lectures and brainstorming. Clinical skills in diagnosing and following up on dental cases. Quiz, Oral, practical, and written exams.

10. Course Structure

Week	Hours	Required learning outcomes	Unit or subject name	Learning method	Evaluation method
1	1	The principles of oral diagnosis	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
2	1	Clinical examinations	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
3	1	Laboratory investigations in dentistry	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
4	1	Laboratory investigations in dentistry	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
5	1	orofacial pain	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
6	1	orofacial pain	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
7	1	T.M. J	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
8	1	T.M. J	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
9	1	Oral ulceration and Vesiculobullous lesions	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
10	1	Oral ulceration and Vesiculobullous lesions	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
11	1	Oral ulceration and	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams

		Vesiculobullous lesions			
12	1	White & red lesions	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
13	1	White & red lesions	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
14	1	Early detection of oral cancer	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
15	1	Early detection of oral cancer	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
16	1	Pigmented oral lesions	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
17	1	Pigmented oral lesions	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
18	1	Benign, Premalignant, and malignant lesions of the oral cavity	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
19	1	Benign, Premalignant, and malignant lesions of the oral cavity	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
20	1	Benign, Premalignant, and malignant lesions of the oral cavity	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
21	1	Benign, Premalignant, and malignant lesions of the oral cavity	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams

22	1	Neuromuscular disorders	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
23	1	Neuromuscular disorders	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
24	1	Salivary gland diseases	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
25	1	Salivary gland diseases	Oral Medicine Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
26	1	Autoimmune diseases	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
27	1	Autoimmune diseases	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
28	1	Oral manifestation of an allergic reaction	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
29	1	Oral manifestation of an allergic reaction	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
30	1	Oral manifestation of an allergic reaction	Oral Medicine	PowerPoint Lecture	Quiz, semester, Mid-term and Final exams
Total	30				

Clinical requirements

Lab number	Study unite title	Hours
1	Laboratory investigations in dentistry	4
	Clinic	
2	Viral infection	4
	Clinic	
3	Bacterial infection	4
	Clinic	
4	Fungal infection	4
	Clinic	
5	Diseases of the Respiratory tract	4
	Clinic	
6	Diseases of the cardiovascular system	4
	Clinic	
7	Diseases of the gastrointestinal tract	4
	Clinic	
8	Renal diseases	4
	Clinic	
9	Anemia	4
	Clinic	
10	Leukemia	4
	Clinic	
11	Bleeding and clotting disorders	4

	Clinic	
12	Immunologic diseases	4
	Clinic	
13	Diseases of the thyroid gland	4
	Clinic	
14	Diabetes mellitus	4
	Clinic	
15	Orofacial pain and common headache disorders	4
	Clinic	
16	Neuromuscular diseases	4
	Clinic	
17	Temporomandibular disorders	4
	Clinic	
18	Salivary gland disorders	4
	Clinic	
19	Drugs in dentistry	4
	Clinic	
20	Drugs-induced oral lesions	4
	Clinic	
21	Panoramic image interpretation	4
	Clinic	
22	Allergy	4
	Clinic	
23	Ulcerative, vesicular, and bullous lesions	4

	Clinic	
24	Red and white lesions of the oral mucosa	4
	Clinic	
25	Pigmented lesions of the oral mucosa	4
	Clinic	
26	Benign lesions of the oral cavity and the jaw	4
	Clinic	
27	Oral and oropharyngeal cancer	4
	Clinic	
28	LASER in oral medicine	4
	Clinic	
29	Geriatric oral medicine	4
	Clinic	
30	Pediatric oral medicine	4
	Clinic	
Total		120

11. Course Evaluation

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

Summer Training: Accomplished or Unaccomplished
Annual quest: 20% are distributed as follows;
5% Clinical Requirements
5% Quizzes
5% Seminars
5% Written exam
20% of Midterm exams are distributed as follows:
5% Practical exam
15% Written exam
60% of Final exams are distributed as follows:
10% Practical spot exam
15% OSCE
35% Written

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	**Burket's oral medicine. Michael Glick, Martin Greenberg, Peter Lockhart, and Stephen Challacombe. 13th edition.202 Wiley Black well.**
Main references (sources)	**Baumann, A., & Lotzmann, U. TMJ disorders and orofacial pain. The role of dentistry in a multidisciplinary approach 2011, Thieme.**

Recommended books and references (scientific journals, reports…)	**Little and Falace's Dental Managemen Medically Compromised Patient 9th Edit**
Electronic References, Websites	**Google Classroom** **College Official Website**

Course Description Form

1. Course Name:
Oral surgery
2. Course Code:
ISU1503
3. Semester / Year:
2024−2025
4. Description Preparation Date:
20.11.2023
5. Available Attendance Forms:
6. Number of Credit Hours (Total) / Number of Units (Total)
30hrs theory, 60 hrs clinical training/ 4 credits
7. Course administrator's name (mention all, if more than one name)
Name: Prof. Dr. Faaiz Alhamdani Email: Faaiz@ibnsina.edu.iq
8. Course Objectives

Course Objectives	• **having the broad knowledge in OS** • **Acquiring the necessary knowledge dental implant surgery** • **Having essential knowledge maxillofacial surgery**
9. Teaching and Learning Strategies	
Strategy	Enabling the students to balance between relevant theoretical a diagnostic knowledge and their surgical skills, and ensure havi problem solving abilities for surgical conditions

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method

1 2 3 5 6 7 8 10 12 14 16 17 19 21 23 24	1 1 2 1 1 1 2 2 2 2 1 2 2 2 1 2	1- Surgical diagnosis 2- Knowledge available approac in management 3- Knowledge outline on surgi approach 4- Outline knowledge expected complications	Orofacial pain Preliminary management of patie with facial fractures Principles of reconstructive surger Vascular anomalies Laser and Cryosurger in oral and maxillofac surgery Cleft lip and palate Orthognathic surgery Temporomandibular joint (TMJ) disorders Salivary gland disease Implant Treatment: Advanced Concepts Oral cancer Non-odontogenic tumors and fibro-osseous lesions of the jaw Odontogenic tumors Benign cystic lesions the oral cavity Odontogenic diseases the maxillary sinus Potentially malignant disorders of the oral mucosa Preprosthetic surgery	Powerpoint lectures with quizes	Daily quizzes, middle year a final year exa

26 27 29	1 2 2		Dentoalveolar and so tissue injuries Fractures of the midd third of facial skeleto Fractures of the mandible		

11. Course Evaluation

60 degrees for the final exam. 15 degrees for the midyear exam. 15 degrees on the clinical requirements. 5 degrees for the summer training. 5 degrees on the daily quizzes

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Introduction to Oral a Maxillofacial Surgery Contemporary Oral a Maxillofacial Surgery
Main references (sources)	Contemporary Oral a Maxillofacial Surgery
Recommended books and references (scientific journals, reports…)	Oral and Maxillofacial Surgery Clinicians
Electronic References, Websites	

Course Description Form

1. Course Name:
Orthodontics
2. Course Code:
ISU1504OD
3. Semester / Year:
Year
4. Description Preparation Date:
11/9/2024
5. Available Attendance Forms:
6. Number of Credit Hours (Total) / Number of Units (Total)
150 hours / 5 credits
7. Course administrator's name (mention all, if more than one name)
Name: lecturer Dr. Samer Salim Othman Email: samerortho@ibnsina.edu.iq
8. Course Objectives
1- Acquire basic knowledge about orthodontics. 2- Training in diagnosing orthodontic cases. 3- Acquire basic knowledge about the distinctive symptoms of various orthodontic cases. 4- Acquire basic knowledge for treating various orthodontic cases.
9. Teaching and Learning Strategies

Strategy	1. Microsoft power point lecture method 2. Discussion method. 3. Report method. 4. The hip shop method. 5. Practical training in educational clinics located in the college.

10. Course Structure					
Week	**Hours**	**Required Learning Outcomes**	**Unit or subject name**	**Learning method**	**Evaluation method**
١	1 theory 4 clinical	Orthodontic diagnosis and treatment planning: a- Personal data b- Consent form c- Clinical examination i. General body stature	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٢	1 theory 4 clinical	ii. Face examination in 3 dimensions iii. skeletal examination iv. Soft tissue examination	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٣	1 theory 4 clinical	v. Occlusion	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٤	1 theory 4 clinical	vi. Dentition vii. Temporomandibular joint	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٥	1 theory 4 clinical	d- Diagnostic aids i. Cephalometrics	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٦	1 theory 4 clinical	ii. Orthopantomography iii. Other views	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٧	1 theory	iv. Study models	Orthodontics	Microsoft	Daily,

	4 clinical			power point lecture method, Discussion method., Report method, Practical works	weekly, monthly exam, mid-year and final exam
٨	1 theory 4 clinical	v. Photography vi. 3D imaging	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٩	1 theory 4 clinical	e- Treatment planning	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
١٠	1 theory 4 clinical	f- Treatment of Medically compromised patients	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
١١	1 theory 4 clinical	g- Orthodontic indices	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
١٢	1 theory 4 clinical	Space analysis, Bolton's ratio	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
١٣	1 theory 4 clinical	Teeth extraction in orthodontics	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
١٤	1 theory 4 clinical	Serial extraction	Orthodontics	Microsoft power point	Daily, weekly,

				lecture method, Discussion method., Report method, Practical works	monthly exam, mid-year and final exam
١٥	1 theory 4 clinical	Vertical and transverse problems: a. Deep bite	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
١٦	1 theory 4 clinical	b. Open bite	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
١٧	1 theory 4 clinical	c. Crossbite and scissors bite	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
١٨	1 theory 4 clinical	Treatment of common local factors: a. supernumerary and hypodontia b. Early loss of deciduous teeth c. Retained teeth, delayed eruption, impaction, ankylosis d. Abnormal eruptive behavior e. Large frenum	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
١٩	1 theory 4 clinical	f. Bad oral habits	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٢٠	1 theory 4 clinical	Treatment of aberrant position of canines	Orthodontics	Microsoft power point lecture method, Discussion method., Report method,	Daily, weekly, monthly exam, mid-year and final exam

				Practical works	
٢١	1 theory 4 clinical	Treatment of general factors: a. Class I treatment (crowding, spacing, biprotrusion)	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٢٢	1 theory 4 clinical	*Continue* class I treatment (method of space creation)	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٢٣	1 theory 4 clinical	b. Class II div. 1 treatment	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٢٤	1 theory 4 clinical	c. Class II div. 2 treatment	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٢٥	1 theory 4 clinical	d. Class III treatment	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٢٦	1 theory 4 clinical	Treatment of adults: a- Periodontal problems	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٢٧	1 theory 4 clinical	b- Orthognathic surgery	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam

٢٨	1 theory 4 clinical	Cleft lip and palate	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٢٩	1 theory 4 clinical	*Continue* cleft lip and palate	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٣٠	1 theory 4 clinical	Digital orthodontics (digital approach in orthodontic diagnosis and treatment)	Orthodontics	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam

11. Course Evaluation

Distributing the score out of 100 according to the followings: 25% first and second semesters. 15% mid year exam, 60% final exam

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	.1- An Introduction to Orthodontics 5th Edition Simon J. Littlewood and Laura Mitchell 2019. 2- Orthodontics: Principles and Practice: Principles and Practice 2nd Edition 2017.
Main references (sources)	.1- An Introduction to Orthodontics 5th Edition Simon J. Littlewood and Laura Mitchell 2019. 2- Orthodontics: Principles and Practice: Principles and Practice 2nd Edition 2017
Recommended books and references (scientific journals, reports…)	• American journal of orthodontics and dentofacial orthopedics. • Angles orthodontics. • Eurpean journal of orthodontics. • Seminars in orthodontics.. • Journal of clinical orthodontics .
Electronic References, Websites	

Academic Program Description Form

University Name: **Ibn sina university of medical and pharmaceutical sciences**

Faculty/Institute: **College of dentistry**

Scientific Department: **pediatric, orthodontics and preventive dentistry department**

Academic or Professional Program Name: **Bachelor degree in dental sciences**.

Final Certificate Name: **Bachelor degree in dental sciences**.

Academic System: yearly

Description Preparation Date: **11/9/2024**

File Completion Date: **11/9/2024**

Signature:	**Signature**:
Head of Department Name:	**Scientific Associate Name**:
Date:	**Date**:

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance

Department:

Date:

Signature:

Approval of the Dean

Course Description Form

1. Course Name:
Pediatric Dentistry
2. Course Code:
ISU1505PD
3. Semester / Year:
Year
4. Description Preparation Date:
11/9/2024
5. Available Attendance Forms:
6. Number of Credit Hours (Total) / Number of Units (Total)
120 hours / 5 credits
7. Course administrator's name (mention all, if more than one name)
Name: Prof. Dr. Baydaa Ali Othman Email: baydaa.alrawi@ibnsina.edu.iq
8. Course Objectives
1- Teaching how to carry out a diagnosis and treatment plan for pediatric patients. 2-Learn radiological examination techniques and ways to reduce the effect of radiation on the child. 3- The student learned how to treat deep caries, treat vital pulp, and pulpless teeth (endodontic treatments in children) 4- The student will be able to know the differences between baby and permanent teeth, and the times of eruption of these teeth. 5- Learn how to design space-preserving appliances after early extraction of baby teeth. 6-The student must be able to treat patients with special needs. 7- Teaching the student methods of administering anesthesia to children.
9. Teaching and Learning Strategies

Strategy	1. Microsoft power point lecture method 2. Discussion method. 3. Report method. 4. The hip shop method. 5. Practical training in educational clinics located in the college.

10. Course Structure					
Week	**Hours**	**Required Learning Outcomes**	**Unit or subject name**	**Learning method**	**Evaluation method**
١	1 theory 3 clinical	Diagnosis and treatment planning	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٢	1 theory 3 clinical	Preliminary medical and dental history	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٣	1 theory 3 clinical	Art and science of behavior management	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٤	1 theory 3 clinical	Non pharmacologic management of patient behavior	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٥	1 theory 3 clinical	Pharmacologic management of patient behavior	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٦	1 theory 3 clinical	Sedation in pediatric dentistry	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٧	1 theory	management of	Pediatric	Microsoft	Daily,

	3 clinical	traumatic injuries to the teeth and supporting tissues of children,	Dentistry	power point lecture method, Discussion method., Report method, Practical works	weekly, monthly exam, mid-year and final exam
٨	1 theory 3 clinical	classification of injuries to the anterior teeth of children classification methods of clinical examination	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٩	1 theory 3 clinical	Traumatic injuries of the primary teeth and its effect on permanent teeth	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
١٠	1 theory 3 clinical	Treatment of injury of permanent teeth, emergency treatment, temporary restoration of traumatic teeth	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
١١	1 theory 3 clinical	Advances in Pediatric Dentistry: Advances in diagnostic aids, Advances in cavity preparation methods	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
١٢	1 theory 3 clinical	Advances in endodontics, Advances in local anesthesia	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
١٣	1 theory 3 clinical	Advances in restorative materials, Advances in surgical procedures,	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report	Daily, weekly, monthly exam, mid-year and

		miscellaneous		method, Practical works	final exam
١٤	1 theory 3 clinical	Acquired disturbances of oral structures	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
١٥	1 theory 3 clinical	Developmental disturbances of oral structures	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
١٦	1 theory 3 clinical	Gingivitis and periodontal disease in children:	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
١٧	1 theory 3 clinical	Acute candidacies (thrush), acute bacterial infection, chronic non specific gingivitis, gingival diseases modified by systemic factors.	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
١٨	1 theory 3 clinical	Gingival lesions of genetic origin, ascorbic acid deficiency gingivitis.	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
١٩	1 theory 3 clinical	Periodontal diseases in children, early onset periodontitis, prepubertal periodontitis, localized	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam

		juvenile periodontitis.			
٢٠	1 theory 3 clinical	Papillon – Lefevere syndrome, gingival recession, extrinsic stains and deposits on teeth	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٢١	1 theory 3 clinical	Management of space problems, planning for space maintenance, loss of primary incisors	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٢٢	1 theory 3 clinical	Space Maintenance for the First and Second Primary Molar and the Primary Canine Area, premature loss of second primary molar	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٢٣	1 theory 3 clinical	Loss of the Second Primary Molar Before Eruption of the First Permanent Molar, Areas of Multiple Primary Molar Loss	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٢٤	1 theory 3 clinical	Development of dental arch and occlusion	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٢٥	1 theory 3 clinical	Arch length analysis;	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam

٢٦	1 theory 3 clinical	Dental problems of the disabled child	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٢٧	1 theory 3 clinical	Mental disability, Down syndrome, Intellectual disability, Learning disability	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٢٨	1 theory 3 clinical	Fragile X syndrome, cerebral palsy, autism,	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٢٩	1 theory 3 clinical	Respiratory diseases, hearing loss, visual impairment, epilepsy	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam
٣٠	1 theory 3 clinical	Heart disease, hemophilia, ,sickle cell anemia, viral hepatitis, AIDS, children with systemic diseases	Pediatric Dentistry	Microsoft power point lecture method, Discussion method., Report method, Practical works	Daily, weekly, monthly exam, mid-year and final exam

11. Course Evaluation	
Distributing the score out of 100 according to the followings: 25% first and second semesters. 15% mid year exam, 60% final exam	
12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	McDonald and Avery Dentistry for the Child and Adolescent .2011 (Ninth Edition) ISBN 978-0-323-28745-6,MOSBY ELSEVIER3251 Riverport LaneMaryland Heights, Missouri 63043.
Main references (sources)	Handbook of Pediatric Dentistry .2013Fourth edition 2013, ISBN 9780723436959, British Library Cataloguing in Publication Data
Recommended books and references (scientific journals, reports…)	• Journal of Dentistry for Children. • Journal of Clinical Pediatric Dentistry. • International Journal of Paediatric Dentistry. • European archives of paediatric dentistry : official journal of the European Academy of Paediatric Dentistry. • Journal of Dental Traumatology. • Pediatric Dental Journal. • Journal of Dentistry for Children.
Electronic References, Websites	American Academy of Pediatric Dentistry https://www.aapd.org/ The International Association of Dental Traumatology (IADT)

Course Description Form

1. Course Name:
Periodontics
2. Course Code:
ISU1506PD
3. Semester / Year:
year
4. Description Preparation Date:
11\10\2024
5. Available Attendance Forms:
6. Number of Credit Hours (Total) / Number of Units (Total)
150 hours\5 credits
7. Course administrator's name (mention all, if more than one name)
Name: maha waleed Email: m.algazali@yahoo.com
8. Course Objectives

Course Objectives	**Increase knowledge and mastery of skills related to the latest diagnostic techniques and attention to the accuracy of examination to diagnose diseases of the tissues surrounding the teeth, treat them and eliminate them before they become serious, using the latest surgical methods and using lasers.**

9. Teaching and Learning Strategies	
Strategy	1- PowerPoint lectures 2- Discussion method 3- Report method 4- Workshop method 5- Practical training in educational clinics in the college

10- Course Structure

weeks	hours	Required learning outcomes	Unite or subject name	Learning method	Evaluation method
1	1 theory 3 clinical	Periodontal examination and diagnosis	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
2	1 theory 3 clinical	Bone loss and patterns of bone destruction	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
3	1 theory 3 clinical	Radiographic aids in the diagnosis of periodontal disease	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
4	1 theory 3 clinical	Advanced diagnosis §	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
5	1 theory 3 clinical	Periodontal response to external forces	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams

6	1 theory 3 clinical	Immunology	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
7	1 theory 3 clinical	Immunology	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
8	1 theory 3 clinical	Tooth mobility	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
9	1 theory 3 clinical	Epidemiology of periodontal diseases	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
10	1 theory 3 clinical	Determination of prognosis	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
11	1 theory 3 clinical	Interrelationships of periodontal disease and therapy with other dental disciplines	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
12	1 theory 3 clinical	Periodontal surgery. General principles	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
13	1 theory 3 clinical	Sonic and ultrasonic instrumentation and irrigation	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
14	1 theory 3 clinical	Gingivectomy and local excision	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
15	1 theory 3 clinical	Flap surgery	periodontics	Theoretical lecture using Power Point,	Short, semester,

				discussion, workshop and practical training in educational clinics	mid-term and final exams
16	1 theory 3 clinical	Mucogingival and aesthetic surgery	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
17	1 theory 3 clinical	Furcation: involvement and treatment	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
18	1 theory 3 clinical	Laser therapy	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
19	1 theory 3 clinical	Locally delivered, controlled-release antimicrobials	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
20	1 theory 3 clinical	Management of medically compromised patients	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
21	1 theory 3 clinical	Management of medically compromised patients	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
22	1 theory 3 clinical	Gingival crevicular fluid (GCF)	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
23	1 theory 3 clinical	Dentin hypersensitivity 605.e1	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
24	1 theory 3 clinical	Tissue regeneration. General principles Periodontal Wound Healing	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in	Short, semester, mid-term and final exams

				educational clinics	
25	1 theory 3 clinical	Regenerative periodontal therapy	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
26	1 theory 3 clinical	Reconstructive surgical techniques:	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
27	1 theory 3 clinical	Advanced regenerative approaches	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
28	1 theory 3 clinical	Oral implantology	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
29	1 theory 3 clinical	Oral implantology	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams
30	1 theory 3 clinical	Implant-related complications and failure	periodontics	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams

11-Course Evaluation

Distribution as follows: 25 marks for daily and monthly exams and practical requirements for the first and second semesters. 15 marks for mid-year exams. 60 marks for final exams = 100 marks

12-Learning and Teaching Resources

Required textbooks (curricular books, if any)	Clinical Periodontology and Implant Dentistry , Seventh Edition, Niklaus P. Lang and Jan Lindhe 2-Newman and Carranza's Clinical Periodontology, Thirteen Edition
Main references (sources)	

Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

1. Course Name:
Conservative Dentistry
2. Course Code:
ISU1507CD
3. Semester / Year:
year
4. Description Preparation Date:
14\10\2024
5. Available Attendance Forms:
6. Number of Credit Hours (Total) / Number of Units (Total)
120 hours\5 credits
7. Course administrator's name (mention all, if more than one name)
Name: sarah Abed-AL ameer Email: sarah.alsharefy.g@ibnsina.edu.iq
8. Course Objectives

Course Objectives	**Preparing qualified students to practice various types of cosmetic fillings, root fillings, and dental coatings (crowns and fixed bridges)**

9. Teaching and Learning Strategies

Strategy	1- PowerPoint lectures 2- Discussion method 3- Report method 4- Workshop method 5- Practical training in educational clinics in the college

10- Course Structure

weeks	hours	Required learning outcomes	Unite or subject name	Learning method	Evaluation method
1	1 theory 3 clinical	Endodontic diagnosis	operative	Theoretical lecture using Power Point, discussion, workshop and	Short, semester, mid-term and final

				practical training in educational clinics	exams	
2	1 theory 3 clinical	Pain control in endo.	operative	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams	
3	1 theory 3 clinical	Endodontic radiology	operative	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams	
4	1 theory 3 clinical	Working length determination	operative	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams	
5	1 theory 3 clinical	microbology	operative	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams	
6	1 theory 3 clinical	Intracanal instruments	operative	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams	

7	1 theory 3 clinical	Irrigation materials and method	operative	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams	
8	1 theory 3 clinical	Root canal obturation	operative	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams	
9	1 theory 3 clinical	Endo.emergency	operative	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams	
10	1 theory 3 clinical	Restoration of endo treated tooth	operative	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams	
11	1 theory 3 clinical	Endo.perio lesion	operative	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams	
12	1 theory 3	bleaching	operative	Theoretical lecture using Power Point,	Short, semester,	

	clinical			discussion, workshop and practical training in educational clinics	mid-term and final exams	
13	1 theory 3 clinical	Rotary system in root canal treatment	operative	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams	
14	1 theory 3 clinical	Terminology, definition of fixed partial denture , Effect of Tooth Loss, Comparism with R.P.D Types of Fixed Bridge including Basic Bridge Design	operative	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams	
15	1 theory 3 clinical	Components of Fixed Bridge Retainers. Components of Fixed Bridge Pontics • Connectors • Clinical Consideration for Bridge Construction.- _Abutment Tooth(evaluation and selection) _Crown/Root Ratio. _Splinting of teeth. _Patient Occlusal Status. _General Factors.	operative	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams	
16	1 theory 3 clinical	Full metal crown	operative	Theoretical lecture using Power Point, discussion,	Short, semester, mid-term	

				workshop and practical training in educational clinics	and final exams	
17	1 theory 3 clinical	Metal –ceramic crown	operative	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid–term and final exams	
18	1 theory 3 clinical	Indirect veneer & luminer	operative	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid–term and final exams	
19	1 theory 3 clinical	Partial veneer crown	operative	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid–term and final exams	
20	1 theory 3 clinical	All ceramic restoration All ceramic restoration/zirconia.	operative	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid–term and final exams	
21	1 theory 3 clinical	Gingival retraction and impression(techniques)and impression disinfection	operative	Theoretical lecture using Power Point, discussion, workshop and practical training in	Short, semester, mid–term and final exams	

				educational clinics		
22	1 theory 3 clinical	Provisional/ temporary in crown and bridge	operative	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams	
23	1 theory 3 clinical	Shade selection and esthetic consideration	operative	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams	
24	1 theory 3 clinical	Try-in and cementation in crown and bridge	operative	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams	
25	1 theory 3 clinical	Failure in crown and bridge	operative	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams	
26	1 theory 3 clinical	Porcelain in Fixed Prosthodontics (Current Ceramic)	operative	Theoretical lecture using Power Point, discussion, workshop and practical training in educational clinics	Short, semester, mid-term and final exams	

11- Course Evaluation	
Distribution as follows: 25 marks for daily and monthly exams and practical requirements for the first and second semesters. 15 marks for mid-year exams. 60 marks for final exams = 100 marks	
12- Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Cohn pathway of the pulp Contemporary fixed prosthodontics
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

1. Course Name:
Preventive dentistry
2. Course Code:
ISU1508PD
3. Semester / Year:
Yearly
4. Description Preparation Date:
12/11/2024
5. Available Attendance Forms:
Attendance only
6. Number of Credit Hours (Total) / Number of Units (Total)
(90 hours practical/30 hours theoretical)/ 5 credits
7. Course administrator's name (mention all, if more than one name)
Name: Raya Rashid Abid Email: Raya.aldafaai.g@ibnsina.edu.iq Name: Eman Alaa Jaffer Email: eman.aj@ibnsina.edu.iq
8. Course Objectives
1-The main objective of the branch: To introduce the importance of preventive dentistry and its applications for individuals and society regarding diseases such as tooth decay and gum disease, as well as regarding nutrition and its impact on oral and dental diseases. 2- The educational aspect: lectures and summer training for students. 3- The therapeutic and preventive aspect: Training and qualifying the student to provide medical services in the field of preventive dentistry and increasing health awareness of oral and dental health in children, diagnosing and treating children, and training students to apply various preventive procedures for children, including fluoride and fissures sealants. 4- The branch covers the diagnosis and treatment of medical cases for children referred to the college in addition to the preventive aspect of the subject
1- Teaching and Learning Strategies
1. Microsoft power point lecture method 2. Discussion method. 3. Report method. 4. The hip shop method. 5. Practical training in educational clinics located in the college.

10- Course structure (theoretical aspect)					
Week	**Hours**	**Required Learning Outcomes**	**Course name**	**learning methods**	**Assessment method**
1	1	Prevention of oral diseases (introduction)	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
2	1	Dental caries development	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
3	1	Diagnosis of dental caries	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
4	1	Fluoride in Dentistry	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
5	1	Fluorides in prevention and controlling dental caries	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
6	1	Topical fluoride therapy Professionally applied fluoride	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
7	1	Topical fluoride therapy :Self-applied fluoride	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
8	1	Safety and toxicity of fluoride	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
9	1	Dental sealants	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
10	1	New approach in restorative dentistry	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
11	1	Microbiology of dental caries	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
12	1	Saliva and host defense mechanism	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
13	1	Caries risk assessment	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
14	1	infection control	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
15	1	Oral hygiene measures (Mechanical)	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams

16	1	Oral hygiene measures (Chemical)	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
17	1	Diet and dental caries	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
18	1	Non- sugar sweeteners	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
19	1	Dietary counseling in dental practice	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
20	1	Nutrition and dental health	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
21	1	Prevention of periodontal disease and oral cancer by nutrition	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
22	1	Probiotics and dental health	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
23	1	Diagnosis and prevention of dental erosion	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
24	1	Prevention of malocclusion	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
25	1	preventive measure for population with developmental disabilities	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
26	1	preventive treatment strategies for medically compromised population	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
27	1	Ozone in the prevention of dental diseases	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
28	1	Geriatric dentistry	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
29	1	Implant care	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams
30	1	Protection of the dentition	Preventive dentistry	Theoretical lecture using power point	Short, midterm and final exams

11- Course structure (clinical aspect)	
Hour required	**details**
3h/week(90h/year)	**Clinical** Recording the child's medical and oral history Fluoride application, fissure sealants, and various types of treatments for children

12-Course Evaluation
Distributing the score according to the followings: 25 Summer training, daily and monthly exams for the first and second semesters and practical requirements 15 midyear exam 60 For practical and theoretical final exams = 100

13-Learning and Teaching Resources	
Required textbooks (curricular books, if any)	• Primary Preventive Dentistry by Harris NO Garcia GodoyF-NatheCN 8th Ed. (20014) • Comprehensive preventive dentistry (2012) Edited by Hardy Limeback
Main references (sources)	• Dental Caries Principles and Management 2016 by Zhou Xuedong Springer-Verlag Berlin Heidelberg • Dental caries, the disease and clinical managem Ole fejerslkov and Edwina kidd., 2nd edition , black w 2008 257 • The prevention of oral disease by Murry JJ NunnJH a Steele JG fourth edition, 2003 • Essential of dental caries the disease and its management by Kidd E third edition (2005) • Textbook of Cariology by Fejerscov and Thylstryp 1996 • Principles and practice of public health dentistry by Krishna M and DasarPL.2010 • Text book of preventive and social medicine. Gu M. and Mahajan BK. 3rd edition, 2003 • Dentistry, dental practices and the community Striffler D, Young W., and Burt B., 5th edition 1999. • Text book Public health dentistry , CM Marya, JAYPEE. .2011. • Diagnosis and risk prediction of dental caries . per Axelsson , DDS, PHD, 2000

	• Laser in Dentistry guide for clinical practice by Patricia M. Freitas and Alyne Simoes 2015 • Dental caries, the disease and clinical managem Ole fejerslkov and Edwina kidd., 2nd edition , black w 2008. • Nutrition in clinical dentistry 3rd ed by Abrahame N and Athenas S Papas1989 • Human and nutrition by HelenA Guthrie and Mary Frances Picciano 1995 • Nutrition and immunology principal and practice Eric Gershwin, Bruce German and Carl L Keen 2000 • Nutrition diet and oral health in Rugg – Gunn A.J. a Nunn J.H (1999):1st edt Oxford University Press
Recommended books and references (scientific journals, reports...)	• British Dental Journal • Australian Dental Journal • International Dental Journal • Journal of the Canadian Dental Association • International Journal of Dental Hygiene • Community Dental Health
Electronic References, Websites	/

Academic Program Description Form
Course Description Form

1. Course Name:
Research
2. Course Code:
ISU1509RS
3. Semester / Year:
Year
4. Description Preparation Date:
1/12/2024
5. Available Attendance Forms:
Attending only
6. Number of Credit Hours (Total) / Number of Units (Total)
15 hours theory/year / Practical 1 hour weekly/ 2 credits
7. Course administrator's name (mention all, if more than one name)
Name: Prof. Wesal Ali Jasim Email: prof.wesalali.g@ibnsina.edu.iq
8. Course Objectives
Course Objectives 1. Teaching the basic principles of research procedures 2. Teaching the basic principles of biostatistics 3. Teaching the use of statistical programs 4. Teaching the types of research studies 5. Knowing what citation is and its types 6. Teaching how to write graduation research
9. Teaching and Learning Strategies

Strategy	• Presentation of lectures • Dialogue and discussion • Exams

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
١٥	One		Research	•Presentation	Weekly,

weeks	Theory Per week	Medical research ethics Basic moral principles Biosafety Classification of biohazardous mater Research design Types of studies Biostatistics Type of data and data collection Sample and sample size Sampling designs Presentation of data Central tendency and dispersion Statistical tests Graduation projects guideline The research and scientific features Chapters of the project How to write references Appendices The formatting and artistic features Time schedule for performing	methods	of lectures • Discussion	and daily exams (written), mid-year exams.

11. Course Evaluation

The annual endeavor is 40 , the final research presentation is 60

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Research Methods: A Practical Guide For Students And Researchers Willie Tan, 2017
Main references (sources)	Introduction research methodology: A beginn guide to doing a research project Uwe Flick, 2020
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	https://www.researchgate.net/pubmed