وزارة التعليم العالي والبحث العلمي
Ministry of Higher Education & Scientific Research

جامعة كلكامش
GILGAMESH UNIVERSITY

Academic Program Description Form

University Name: Gilgamesh University

Faculty/Institute: Anesthesia Techniques

Academic or Professional Program Name:

Final Certificate Name: Bachelor in Anesthesia Techniques

Academic System: Credit-hour system

File Completion Date:

Signature:

Head of Department Name:

Date:

Signature:

Scientific Associate Name:
May Salem Abdullah

Date: 30th/June/2026

جامعة كلكامش
قسم ضمان الجودة والاداء الجامعي

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Date:

الاستاذ الدكتور
علي عبد الله التميمي
عميد كلية التقنيات الصحية والطبية

1. Program Vision

The Department of Anesthesia Techniques seeks to be a leading academic department in preparing specialized technical staff in anesthesia and critical care, capable of keeping pace with modern scientific and technological advancements in accordance with quality assurance and accreditation standards, and contributing to the improvement of healthcare services.

2. Program Mission

The Department of Anesthesia Techniques aims to provide an integrated academic program that combines theoretical knowledge with practical training to prepare scientifically, professionally, and ethically qualified graduates to work within anesthesia and critical care teams in healthcare institutions, while adhering to quality and professional safety standards

3. Program Objectives

The department aims to:

- Prepare specialized technical staff in anesthesia and critical care
- Develop students' skills in using modern anesthesia equipment
- Strengthen clinical training in hospitals
- Enhance patient monitoring skills before, during, and after surgery
- Promote professional ethics and teamwork
- Support scientific research and clinical applications
- Improve students' professional competencies

4. Program Accreditation

5. Other external influences

6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	٧	١٤	%١٣	
College Requirements	٧	١٤	%١٣	
Department Requirements	٤٦	١٦٤	%٨٧	
Summer Training	2			
Other				

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

7. Program Description

Year/Level	Course Code	Course Name	Credit Hours
Level 1 / course 1	ANT11201	**Anatomy (1)**	4
	ANT11202	**General chemistry**	4
	ANT11203	**General physiology (1)**	4
	ANT11204	**Medical physics (1)**	4
	ANT11205	**Biology**	4

	HMT125	**Medical terminology**	4
	HMT124	**Computer principles (1)**	4
	HMT121	**Human Rights & Democracy**	4
Level 1 / course 2	ANT12206	**Medical physics (2)**	4
	ANT12207	**Anatomy (2)**	4
	ANT12208	**General physiology (2)**	4
	ANT12209	**Biochemistry**	4
	ANT12210	**Microbiology**	4
	HMT122	**Arabic language**	4
Level 2 / course 1	ANT21211	**Basics of anesthesia (1)**	4
	ANT21212	**Basics of equipment anesthesia (1)**	4
	ANT21213	**Applied physiology (1)**	4
	ANT21214	**basics of medicine (1)**	4
	ANT21215	**Basics of surgery (1)**	4
	ANT21216	**Pharmacology (1)**	4
	HMT224		4
Level 2 / course 2	ANT22217	**Basics of anesthesia (2)**	4
	ANT22218	**Basics of equipment anesthesia (2)**	4
	ANT22219	**Applied physiology (2)**	4

	ANT22220	**basics of medicine (2)**	**4**
	ANT22221	**Basics of surgery (2)**	**4**
	ANT22222	**Pharmacology (2)**	**4**
	HMT22208	**Statistics**	**4**
	HMT221	**Arabic language**	**4**
	HMT223	**Computer application**	**4**
Level 3 / course 1	ANT31223	**Anesthesia (1)**	**4**
	ANT31224	**Basics of intensive care (1)**	**4**
	ANT31225	**Anesthesia equipment technology (1)**	**4**
	ANT31226	**Medicine (1)**	**4**
	ANT31227	**Surgery (1)**	**4**
Level 3 / course 2	ANT32228	**Anesthesia (2)**	**4**
	ANT32229	**Basics of intensive care (2)**	**4**
	ANT32230	**Anesthesia equipment technology (2)**	**4**
	ANT32231	**Medicine (2)**	**4**
	ANT32232	**Surgery (2)**	**4**
Level 4 / course 1	ANT41233	**Advance anesthesia (1)**	**4**
	ANT41234	**Advance anesthesia equipment technology (1)**	**4**

	ANT41235	**Intensive technology (1)**	4
	ANT41236	**Advance medicine (1)**	4
	ANT41237	**Pain medicine**	4
	ANT41238	**Professional ethics**	4
Level 4 / course 2	ANT42239	**Advance anesthesia (2)**	4
	ANT42240	**Advance anesthesia equipment technology (2)**	4
	ANT42241	**Intensive technology (2)**	4
	ANT42242	**Advance medicine (2)**	4
	ANT42243	**Emergency medicine**	4
	ANT42244	**Project**	4

8. Expected learning outcomes of the program

Knowledge

Acquire scientific and clinical knowledge related to anesthesia, resuscitation, and patient monitoring before, during, and after surgical procedures.

Skills

Apply anesthesia techniques, operate and monitor anesthesia equipment, assess patients, respond to emergencies, and provide safe perioperative patient care

Ethics

Demonstrate professional ethics, patient safety awareness, teamwork, and responsibility in clinical practice

9. Teaching and Learning Strategies

Lectures, laboratory and practical training, clinical education in hospitals, case-based learning, and scientific discussions.

10. Evaluation methods

a. Daily quizzes
b. Midterm exams
c. Weekly reports
d. Daily attendance and participation
e. Practical exams in hospitals
f. Graduation research project

11. Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
Lecturer	٣				٢	١
Assistant Lecturer	٥				٥	
	١				١	

Professional Development

Mentoring new faculty members

Professional development of faculty members
B

12. **Acceptance Criterion**
(Setting regulations related to enrollment in the college or institute, whether central admission or others)

13. **The most important sources of information about the program**
Shared curriculum resources through twinning programs with partner universities. The college scientific library. The Internet. Scientific research publications. The official website of the Ministry of Higher Education and Scientific Research.

14. Program Development Plan
a. Updating and developing curricula according to labor market requirements through specialized curriculum development committees.

b. Conducting periodic surveys of students, community members, and hospital employers regarding the college's mission, objectives, curricula, teaching methods, and assessment processes.

c. Enhancing community engagement through voluntary and outreach activities.

d. Directing students' research toward applied projects that address community needs and solve real-world problems.

Program Skills Outline															
				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
Level 1 / course 1	ANT11201	Anatomy (1)	Basic	*	*	*	*	*	*	*	*	*	*	*	*
	ANT11202	General chemistry	Basic	*	*	*	*	*	*	*	*	*	*	*	*
	ANT11203	General physiology (1)	Basic	*	*	*	*	*	*	*	*	*	*	*	*
	ANT11204	Medical physics (1)	Basic	*	*	*	*	*	*	*	*	*	*	*	*

	ANT11205	**Biology**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	HMT125	**Medical terminology**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	HMT124	**Computer principles (1)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	HMT121	**Human Rights & Democracy**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
Level 1 / course 2	ANT12206	**Medical physics (2)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT12207	**Anatomy (2)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*

	ANT12208	**General physiology (2)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT12209	**Biochemistry**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT12210	**Microbiology**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	HMT122	**Arabic language**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
Level 2 / course 1	ANT21211	**Basics of anesthesia (1)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT21212	**Basics of equipment anesthesia (1)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*

	ANT21213	**Applied physiology (1)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT21214	**basics of medicine (1)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT21215	**Basics of surgery (1)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT21216	**Pharmacology (1)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	HMT224		**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT22217	**Basics of anesthesia (2)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*

Level 2 / course 2	ANT22218	**Basics of equipment anesthesia (2)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT22219	**Applied physiology (2)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT22220	**basics of medicine (2)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT22221	**Basics of surgery (2)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT22222	**Pharmacology (2)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	HMT22208	**Statistics**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*

	HMT221	**Arabic language**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	HMT223	**Computer application**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
Level 3 / course 1	ANT31223	**Anesthesia (1)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT31224	**Basics of intensive care (1)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT31225	**Anesthesia equipment technology (1)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*

	ANT31226	**Medicine (1)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT31227	**Surgery (1)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
Level 3 / course 2	ANT32228	**Anesthesia (2)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT32229	**Basics of intensive care (2)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT32230	**Anesthesia equipment technology (2)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*

	ANT32231	**Medicine (2)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT32232	**Surgery (2)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
Level 4 / course 1	ANT41233	**Advance anesthesia (1)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT41234	**Advance anesthesia equipment technology (1)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT41235	**Intensive technology (1)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*

	ANT41236	**Advance medicine (1)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT41237	**Pain medicine**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT41238	**Professional ethics**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
Level 4 / course 2	ANT42239	**Advance anesthesia (2)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT42240	**Advance anesthesia equipment technology (2)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*

	ANT42241	**Intensive technology (2)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT42242	**Advance medicine (2)**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT42243	**Emergency medicine**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*
	ANT42244	**Project**	**Basic**	*	*	*	*	*	*	*	*	*	*	*	*	*

- **Please tick the boxes corresponding to the individual program learning outcomes under evaluat**

Course Description Form

Course name : General Physiology (1)

Course code : ANT 11203

semester/ year: Fall Semester 2025/2026

Date this description was prepared : 20/5/2026

Available attendance forms: In-person

Number of study hours (total) / Number of units (total): 4 hours / 4 units

Name of the course administrator (if more than one name is mentioned): Ass. Lecture Reham Kasim Nasif

objectives Course: By the end of the academic year, the student should be able to:

1. Understand the functions of cells and body systems in general and perform techniques related to blood and other body fluid analysis.
2. Understand the principles of physiology and its relationship with other sciences.
3. Differentiate between the normal physiological state and pathological (disease) conditions.
4. Use laboratory instruments and equipment efficiently.
5. Perform analyses of blood and other body fluids.

Teaching and learning strategies:

Interactive lectures and discussions

Practical and laboratory teaching

learning and use of educational tools

Cooperative learning and problem-solving activities					
Course structure					
Evaluation method	**Learning method**	**Name of unit or topic**	**Required learning outcomes**	**watches**	**week**
DailyExams Monthly Exams	Smart board	Introduction of physiology	Definition of hysiology, Cell hysiology, and ell Membrane mponents and Structure.	4	1
DailyExams Monthly Exams	Shared	Cell membrane transp	Movement of Fluids Solutes, and Gases Across the Cell Membrane.	4	2
DailyExams Monthly Exams	Shared	Muscular system	Muscular Tissues: Types and Characteristics.	4	3
DailyExams Monthly Exams	Shared	Muscular system	Mechanism of Musc Contraction, Fatigue and Muscular Pain	4	4
DailyExams Monthly Exams	Smart Board Educational Videos	Nervous system	Types of Nerve Cell Functions of Nerve Impulses, Synapses and Reflexes.	4	5
DailyExams Monthly Exams	Educational Videos Smart Board	Nervous system	Action Potential of Nerve and Muscle Fibers.	4	6
DailyExams Monthly Exams	Shared	The blood	Blood: Functions, Components, Plasm and Serum.	4	7
DailyExams Monthly Exams	Shared	The blood	Red Blood Cells: Sha Origin, Hemoglobir Structure, and Anem	4	8
DailyExams Monthly Exams	Shared	The blood	White Blood Cells ar Platelets: Functions Origin, and Structur	4	9
DailyExams Monthly Exams	Shared	The blood	Mechanism of Bloo Clotting.	4	10
DailyExams Monthly Exams	Smart Board Educational Videos	Cardiovascular systen	Cardiovascular Syste Cardiac Valve Cycle and Heart Conductir System.	4	11
DailyExams Monthly Exams	Smart Board Educational Videos	Cardiovascular systen	Heart Sounds, Murmu and Electrocardiograp (ECG).	4	12
DailyExams Monthly Exams	Smart Board Educational Videos	Cardiac cycle	Blood Pressure.	4	13

DailyExams Monthly Exams	Shared	Respiratory system	Respiratory System Pleura, and Types a Mechanisms of Respiration.	4	14
DailyExams Monthly Exams	Shared	Respiratory system	Oxygen Transport a Exchange.	4	15
DailyExams Monthly Exams	Shared	Respiratory system	Carbon Dioxide Transport and Exchange.	4	16
DailyExams Monthly Exams	Shared	Respiratory system	Lung Volumes and Capacities, and Typ of Hypoxia.	4	17

Course Evaluation:

Student participation through classroom questions and discussion

Weekly oral examinations

Monthly and final written examinations

Learning and teaching resources

Approved scientific textbooks	
Laboratory and practical experiments	
Electronic and online resources	

Course Description Form

Course name : General Physiology (2)
Course code : ANT 12208
semester/ year: Spring Semester 2025/2026
Date this description was prepared : 20/5/2026
Available attendance forms: In-person
Number of study hours (total) / Number of units (total): 4 hours / 4 units
Name of the course administrator (if more than one name is mentioned): Ass. Lecture Reham Kasim Nasif
objectives Course: By the end of the academic year, the student should be able to: 1. Understand the functions of cells and body systems in general and perform techniques related to blood and other body fluid analysis. 2. Understand the principles of physiology and its relationship with other sciences. 3. Differentiate between the normal physiological state and pathological (disease) conditions. 4. Use laboratory instruments and equipment efficiently. 5. Perform analyses of blood and other body fluids.
Teaching and learning strategies: Interactive lectures and discussions Practical and laboratory teaching learning and use of educational tools

Cooperative learning and problem−solving activities					
Course structure					
Evaluation method	**Learning method**	**Name of unit or topic**	**Required learning outcomes**	**watches**	**week**
DailyExams Monthly Exams	Smart board	Digestive system	• Physiology of the digestive tem and gastric phases.	4	1
DailyExams Monthly Exams	Shared	Digestive system	• Steps of digestion carbohydrate, protein, fat digestion and absorption.	4	2
DailyExams Monthly Exams	Shared	Urinary system	• Urinary system, ren functions, and urine formation.	4	3
DailyExams Monthly Exams	Shared	Urinary system	• Role of the kidneys maintaining body fluid regulating blood pressu and acid-base balance	4	4
DailyExams Monthly Exams	Smart Board Educational Videos	• Body temperat regulation	• Body temperature regulation and contro	4	5
DailyExams Monthly Exams	Educational Videos Smart Board	CNS	• Nervous system: CN brain functions, and centers.	4	6
DailyExams Monthly Exams	Shared	Spinal cord,	• Spinal cord, cerebrospinal fluid (CS and spinal reflexes.	4	7
DailyExams Monthly Exams	Shared	Spinal cord,	• Peripheral nervous system (PNS), autonon and sensory systems	4	8
DailyExams Monthly Exams	Shared	Endocrine system	• Endocrine system: hormonal control, type and secretion.	4	9
DailyExams Monthly Exams	Shared	Endocrine system	• Hormonal secretio from different glands	4	10
DailyExams Monthly Exams	Smart Board	Reproductive system	• Reproductive syster male reproductive syste	4	11
DailyExams Monthly Exams	Smart Board	Reproductive system	• Female reproductiv system.	4	12
DailyExams Monthly Exams	Smart Board Educational Videos	Ear and eye physiology	• Ear and eye physiolo	4	13

Course Evaluation: Student participation through classroom questions and discussion Weekly oral examinations Monthly and final written examinations	
Learning and teaching resources	
Approved scientific textbooks	
Laboratory and practical experiments	
Electronic and online resources	

Course Description Form

Course name Medical Physics
Course code ANT 11201/ ANT 12206
semester/ year : fall and spring semester 2025 −2026
Date this description was prepared 22 − 05 − 2026
Available attendance forms in persons
Number of study hours (total) / Number of units (total) 2hr/ 4 units
Name of the course administrator (if more than one name is mentioned)
Prof. Tarik Talib Issa Al Omran
Course objectives General objective: To give the students basic information about medical physics . Special objective: Enabling the student to learn valuable information in the theoretical concepts of physics
Teaching and learning strategies
Teaching and learning strategies for medical physics refer to the methods and approaches used by instructors to effectively deliver information . These strategies encompass various instructional techniques, activities, and resources designed to enhance the learning experience and promote skill development in ultrasound operation. Examples of teaching and learning strategies for medical physics of atom may include: **1. Lectures: Traditional classroom lectures covering theoretical principles, equipment components, and images .** **2. Hands-On Demonstrations: Practical demonstrations** **3. Case Studies: Analyzing real-world ultrasound imaging cases to apply knowledge and problem-solving skills in interpreting images, identifying artifacts, and optimizing image quality.** **4. Group Discussions: Facilitating group discussions to encourage peer interaction, collaborative learning, and sharing of experiences** **5. Lab Sessions: Conducting laboratory sessions where students can practice using ultrasound software, perform image reconstructions, and troubleshoot technical issues under supervision.** **6. Interactive Multimedia: Utilizing interactive multimedia resources such as videos, animations, and virtual tours to supplement lectures.**
Course structure

Evaluation method	Learning method	Name of unit or topic	Required learning outcomes	watches	week
Quizzes, assignments	Lectures, discuss	Physics of Skelton.	derstands the ademic material	2	1
Quizzes, assignments	Lectures, discuss	Physics of nervous System .	Understands the acade material	2	2
Quizzes, assignments	Lectures, discuss	Physics of Cardiovascular systems.	Understands the acade material	2	3
Quizzes, assignments	Lectures, discuss	Light and its application In medicine.	Understands the acade material	2	4
Quizzes, assignments	Lectures, discuss	Electricity in Body .	Understands the acade material	2	5
Quizzes, assignments	Lectures, discuss	Magnetism in medicine.	Understands the acade material	2	6
Quizzes, assignments	Lectures, discuss	Radiation in medicine .	Understands the acade material	2	7
Quizzes, assignments	Lectures, discuss	Principles of ration protection .	Understands the acade material	2	8

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.

Learning and teaching resources

Recommended books and references (scient journals, reports...)	

Course Description Form

Course name
General chemistry
Course code
ANT11204
semester/ year
one semester, with an average of 15 lectures.
Date this description was prepared
2026/2/28
Available attendance forms
My presence only
Number of study hours (total) / Number of units (total)
Number of units=3
Name of the course administrator (if more than one name is mentioned)
Name: Mohammed Ahmed Abd Mohammed.ahmed@gu.edu.iq
objectives Course
understand the fundamental principles of atomic structure and chemical bonding. **Explain periodic trends using the Periodic Table.** **Perform stoichiometric calculations and balance chemical equations.** **Apply gas laws and explain states of matter.** **Calculate solution concentrations (molarity, molality, normality).** **Analyze acids and bases, calculate pH, and interpret titration results.** **Apply thermochemistry principles to chemical reactions.** **Develop safe laboratory skills and accurate experimental techniques.**
Teaching and learning strategies
Teaching Strategies Interactive Lectures Concept-focused lectures with real-life applications (health, environment, industry). Problem-Based Learning (PBL) Solving numerical problems (stoichiometry, gas laws, pH). Think–Pair–Share Activities

Short conceptual questions during class.
Multimedia Demonstrations
Animations to explain atomic structure, bonding, and reaction mechanisms.
Flipped Classroom (Selected Topics)
Students review videos before class; in-class time for problem solving.

Course structure

Evaluation method	Learning method	Name of unit or topic	Required learning outcomes	watches	week
Monthly and quarterly exan and quizzes	Integrated in-persc lecture	Introduction to analyt chemistry (matter , struc of atom , periodic tab bonds)	Describe properties c solids, liqui and gases. Apply gas laws (Boyle Law, Charles's Law, Ideal Gas Law). plain phase anges and phase diagrams.	2	1
Monthly and quarterly exan and quizzes	Integrated in-persc lecture	Methods of analysis Solution (preparation standard solution u concentration , percenta formal. Sol.	Describe properti of solids, liquids, and gases. Apply gas laws (Boyle's Law, Charles's Law, Ide Gas Law). Explain pha changes and pha diagrams.	2	2
Monthly and quarterly exan and quizzes	Integrated in-persc lecture	Molar solution , Norm solution	Describe properti of solids, liquids, and gases. Apply gas laws (Boyle's Law, Charles's Law, Ide Gas Law).	2	3

			Explain pha changes and pha diagrams.		
Monthly and quarterly exan and quizzes	Integrated in-persc lecture	Statistical treatment analytical data (accurac Mean value , deviatio standard deviation mea value systematic error relative error , random absolute error	Describe properti of solids, liquids, and gases. Apply gas laws (Boyle's Law, Charles's Law, Ide Gas Law). Explain pha changes and pha diagrams.	2	4
Monthly and quarterly exan and quizzes	Integrated in-persc lecture	Chemical reaction equilibrium constant reaction rate , cata solubility , ionization	Describe properti of solids, liquids, and gases. Apply gas laws (Boyle's Law, Charles's Law, Ide Gas Law). Explain pha changes and pha diagrams.	2	5
Monthly and quarterly exan and quizzes	Integrated in-persc lecture	Neutralization (acid base theory , PH , Buffers end point) Oxidation reduc Equilibria	Describe properti of solids, liquids, and gases. Apply gas laws (Boyle's Law, Charles's Law, Ide Gas Law). Explain pha changes and pha diagrams.	2	6
Monthly and quarterly exan and quizzes	Integrated in-persc lecture	Precipitation methods (gravimetry) formation ppt. , type of ppt. ag titration , calculations	Describe properti of solids, liquids, and gases. Apply gas laws (Boyle's Law, Charles's Law, Ide Gas Law).	2	7

			Explain pha changes and pha diagrams.		
Monthly and quarterly exan and quizzes	Integrated in-persc lecture	Spectroscopy (Optical spectroscopy Beer's law)	Describe properti of solids, liquids, and gases. Apply gas laws (Boyle's Law, Charles's Law, Ide Gas Law). Explain pha changes and pha diagrams.	2	8
Monthly and quarterly exan and quizzes	Integrated in-persc lecture	Structure of carbon compounds (alkanes alkenes , alkynes , halog compound)	Describe properti of solids, liquids, and gases. Apply gas laws (Boyle's Law, Charles's Law, Ide Gas Law). Explain pha changes and pha diagrams.	2	9
Monthly and quarterly exan and quizzes	Integrated in-persc lecture	Alcohols , classificatio properties reaction	Describe properti of solids, liquids, and gases. Apply gas laws (Boyle's Law, Charles's Law, Ide Gas Law). Explain pha changes and pha diagrams.	2	10
Monthly and quarterly exan and quizzes	Integrated in-persc lecture	Aldehydes and ketone properties reaction	Describe properti of solids, liquids, and gases. Apply gas laws (Boyle's Law, Charles's Law, Ide Gas Law).	2	11

			Explain pha changes and pha diagrams.		
Monthly and quarterly exan and quizzes	Integrated in-persc lecture	Aldehydes and ketone properties reaction	Describe properti of solids, liquids, and gases. Apply gas laws (Boyle's Law, Charles's Law, Ide Gas Law). Explain pha changes and pha diagrams.	2	12
Monthly and quarterly exan and quizzes	Integrated in-persc lecture	Carboxyl acid , amines Aromatic , Hydrocarbo	Describe properti of solids, liquids, and gases. Apply gas laws (Boyle's Law, Charles's Law, Ide Gas Law). Explain pha changes and pha diagrams.	2	13
Monthly and quarterly exan and quizzes	Integrated in-persc lecture	Carboxyl acid , amines Aromatic , Hydrocarbo	Describe properti of solids, liquids, and gases. Apply gas laws (Boyle's Law, Charles's Law, Ide Gas Law). Explain pha changes and pha diagrams.	2	14
Monthly and quarterly exan and quizzes	Integrated in-persc lecture	Nitro compound , sulpho acids , Phennols , aroma carboxyl acid , polynucl hydrocarbon	Describe properti of solids, liquids, and gases. Apply gas laws (Boyle's Law, Charles's Law, Ide Gas Law).	2	15

			Explain pha changes and pha diagrams.		

Course description (practical)		
weeks	**Laboratory sessions & *Clinical requirements***	hours
1	Laboratory instruction , safety rule , equipments	4
2	Identification of some common inorganic cation	4
3	Identification of some common inorganic anions	
4	Practic. With balances (preparation of different types of solutions.Percentage sol (w/v % , v/v % , w/w %) ppm	4
5	Normal solution , molar solution , dilution	4
6	Buffer solutions preparation and PH determination	4
7	Neutralization reaction (standardization of NaOH against standard HCL Determination of acetic acid in vinegar Determination of a mixture of carbonate , bicarbonate	4
8	Redox titration Titration of KMNO4 solution against oxalic acid	4
9	Precipitation reaction , determination of halides Cl-ion	4
10	Separation and purification of organic compound Distillation , extraction crystallization , sublimation	4
11	Determination of melting point Determination of boiling point	4
12	Reaction of some organic compounds (Aliphatic , aromatic alcohols phenols , aldehyde and ketone)	4
13	Aliphatic and aromatic carboxylic acid	4
14	Scheme for identification	4
15	Scheme for identification of solid organic compound	4

Course Evaluation

1. **Course evaluation**
   weekly examination
   reports

Homeworks

Learning and teaching resources

References 1-Chemistry for the health sciences , sakheim and lehman 5th ed.1981 2-General ,organic a biochemistry,Karene.Timber 2007	

Course Description Form

Course name Microbiology
Course code ANT12210
semester/ year Spring Semester / 2025 - 2026
Date this description was prepared May 22, 2026
Available attendance forms In-person (Full attendance Required)
Number of study hours (total) / Number of units (total) 5 Units / 4 Hours per week
Name of the course administrator Asst. Lect. Hussein Dayish Toshash
objectives Course : The primary objective of this course is to provide students with a comprehensive understanding of microbial classification. It enables students to identify and differentiate the major groups of microorganisms—including Bacteria, Viruses, Fungi, and Parasites—by exploring their structural, genomic, physiological, and metabolic characteristics, as well as their clinical and immunological interactions with host systems.
Teaching and learning strategies: Teaching and learning strategies in modern biomedical and biological disciplines are designed to shift the student from a passive listener to an active, analytical researcher. In these advanced learning environments, theoretical instruction is seamlessly integrated with rigorous practical laboratory sessions. This approach ensures the consolidation of complex concepts, fosters critical thinking, develops troubleshooting proficiency, and enhances independent investigative skills.
Coursestructure

Evaluationmethod	Learningmethod	Nameofunitortopic	Requiredlearningoutcomes	watches	week
Written & Practical Exams	In-person	Microbial Nutritional Requirements &	Determine microbial nutritional requirements	4	1

		Culture Media	and select the appropriate culture media for optimal bacterial .growth		
Written & Practical Exams	In-person	Types & Applications of Culture Media	Differentiate between culture media types (selective, differential) and apply them to target groups.	4	2
Written & Practical Exams	In-person	Bacterial Isolation Techniques &am Pure Cultures	Master aseptic techniques to isolate distinct bacterial colonies using streak plate methods from mixed samples.	4	3
Written & Practical Exams	In-person	Principles & Mechanisms of Sterilization &am Disinfection	Contrast physical and chemical methods used to control microbial growth and ensure laboratory biosafety.	4	4
Written & Practical Exams	In-person	Methods of Microbial Contro & Laborator Biosafety	Identify the structural features of fungi, distinguishing morphology between unicellular yeasts and multicellular moulds.	4	5
Written & Practical Exams	In-person	Classes of Medical Protozoa: Ciliata	Classify clinically significant parasites,	4	6

		& Sporozoa	describing the life cycles and structural features of protozoa and mastigophora.		
Written & Practical Exams	In-person	Helminths: Nematodes, Cestodes & Trematodes	Differentiate between classes of medical protozoa (ciliata and sporozoa) in terms of morphology and diagnostic paths.	4	7
Written & Practical Exams	In-person	Virology: Structural Architecture & Morphology	Distinguish general properties of helminths, categorizing nematodes, cestodes, and trematodes by pathogenesis.	4	8
Written & Practical Exams	In-person	Viral Pathogenicity & Replication Mechanisms	Describe viral structural composition, capsid architecture, genome variations, and symmetry classification.	4	9
Written & Practical Exams	In-person	Immunology: Principles of Humoral & Cellular Immunity	Trace molecular steps of viral replication and cellular mechanisms leading to viral pathogenesis within the host.	4	10
Written & Practical Exams	In-person	Nature of Antigens &	Define core concepts of	4	11

		Antibody Structural Features	immunity, providing a comprehensive comparison between humoral and cellular immune responses.		
Written & Practical Exams	In-person	Mechanisms of Antigen-Antibody (Ag-Ab) Reactions	Differentiate antigens and antibodies, identifying structural classes and functional features of immunoglobulins	4	12
Written & Practical Exams	In-person	Mechanisms of Antigen-Antibody (Ag-Ab) Reactions (Cont.)	Interpret the bio-chemical principles of antigen-antibody interactions (agglutination, precipitation, etc.).	4	13
Written & Practical Exams	In-person	Mechanisms of Antigen-Antibody (Ag-Ab) Reactions (Advanced)	Analyze and map complex antigen-antibody pathways and binding kinetics within diagnostic environments.	4	14
Written & Practical Exams	In-person	Applications of Immunological Tests & Lab Diagnosis	Apply and evaluate immunological diagnostic assays safely to identify pathogens and generate valid analytical results.	4	15

CourseEvaluation : The Course Assessment System is intentionally calibrated to measure the precise attainment of the 15 intended learning outcomes. Evaluation is structured as a balanced blend of theoretical written examinations (to test cognitive mastery and clinical reasoning) and practical laboratory examinations (to evaluate manual dexterity, adherence to biosafety standards, and empirical data interpretation).	
Learningandteachingresources	
Jawetz,.Melnick,&.Adelberg's Medical Microbiology (Latest Edition)	
Prescott's Microbiology (Latest Edition	
Microbiology:.an.Introduction(Tortora,Funk & Case)	

Course Description Form

1. Course Name:
Anatomy
2. Course Code:
ANT11202 / ANT12207
3. Semester / Year:
Fall and Spring Semester 2025_2026
4. Description Preparation Date:
29-Jul-2026
5. Available Attendance Forms:
Weekly
6. Number of Credit Hours (Total) / Number of Units (Total)
4/4
7. Course administrator's name (mention all, if more than one name)
Name: Dr. Dhifaf Mohsin Email: dhifafmohsin@gmail.com
8. Course Objectives

Course Objectives	Preparing the student at a high scientific level through: • Identifying the descriptive terminology of anatomy • Studying the branches of anatomy • Dissecting the basic structures of the human body, including the skin, muscles, bones, joints and ligaments, blood and lymphatic vessels, nervous system, skeletal system, layers of the brain and spinal cord, twelve cranial nerves with an explanation of the sensory and motor functions of each nerve • Study skull with facial bones and details of each bone, studying the openings and foramina in the bones with knowledge of the nerves and veins that pass through them • Dissecting the bones of the nasal cavity, eye cavity, and ear cavity • Dissecting the skeleton of the human body • Dissecting the chest cavity with dissection of the heart, lung, trachea • Dissection of the abdominal cavity and its organs.

9. Teaching and Learning Strategies

Strategy	

A. Cognitive Objectives.

- Acquire basic knowledge of the anatomy of the human body
- This objective is about learning the names and definitions of the various structures of the human body.
- Acquire knowledge about the relationship between anatomy and the physiology of the organs
- This objective is about learning how the different organs and systems of the human body work together to maintain homeostasis.
- Basic knowledge of the practical and clinical applications related to the anatomical bases
- This objective is about learning how anatomy is used in clinical practice, such as in diagnosing and treating diseases.
- This means that the student will learn how anatomy is used in clinical practice, such as in diagnosing and treating diseases.

B. Skill Objectives

- These are the goals that the student is expected to achieve in terms of skills and abilities.
- Thinking in three dimensions for anatomical parts
- This objective is about helping the student develop the ability to visualize the three-dimensional relationships of the body's organs. This can be done using models, diagrams, and other visual aids.
- Surgical and clinical applications and their direct relationship with anatomy
- This objective is about helping the student understand how anatomy is used in clinical practice. This can be done by studying case studies, watching surgical videos, and participating in clinical rotations.

C. Affective and Value Objectives:

- Give the student confidence in how to deal with medical information related to the subject of general anatomy.
- Enable the student to visualize the anatomical relationships of the organs of the body with each other and to use this ability in anatomical analysis with surgery.
- Acquire the basic principles set out in the learning methodology.
- This objective is about helping the student feel confident in their ability to understand and apply medical information related to anatomy.

D. General and Transferable Skills (Other skills related to employability and personal development)

- Prepare the student practically in terms of the anatomy of the human body
- Learn professional ethics and scientific integrity
- Prepare the student to find the correct medical diagnosis and prepare him to become a successful dentist in the future
- Develop the student's ability to deal with various educational means

Teaching and Learning Methods.

These are the methods that will be used to help students achieve the learning outcomes of the course:

- In-person education lectures using data show (PowerPoint) software
- This is a traditional method of teaching that involves the instructor presenting information to the students in a lecture format. The instructor may use PowerPoint slides or other visual aids to help illustrate the information.
- Labs
- Labs are hands-on activities that allow students to apply the knowledge they have learned in the classroom. In the context of an anatomy course, labs might involve dissecting animals or examining human cadavers.
- Displaying videos related to the anatomy of an organ or body structure
- Videos can be a helpful way to visualize the anatomy of the human body. They can also be used to show surgical procedures or other clinical applications of anatomy.
- Using a Kahoot game about anatomy questions to make the students more interactive and add a fun and lively atmosphere to the class
- Kahoot is a game-based learning platform that can be used to create interactive quizzes and games. This can be a fun and effective way to help students learn and review anatomy concepts.
- Using 3D body model applications
- 3D body model applications can help students visualize the anatomy of the human body in three dimensions. This can be a helpful way to learn about the relationships between different structures in the body.
- Discussing an anatomical question and linking it to a clinical problem

Assessment Methods:

- Short quizzes
- Term exams
- Practical exam including the motor pattern for performing model testing
- Reports and activities
- Final exam

10. Course Evaluation

Course Development Plan

A. Development of the Course Content:

- Review and update the course content to ensure that it is accurate, current, and relevant to the needs of students.
- Identify any gaps in the curriculum and develop new content to fill those gaps.
- Remove outdated or irrelevant content from the curriculum.
- Reorganize the content to improve the flow of the course.

B. Use of Modern Teaching Methods:

- Incorporate a variety of teaching methods into the course, such as lectures, discussions, group work, and hands-on activities.
- Use technology to enhance the learning experience, such as online resources, simulations, and virtual reality.
- Adapt the teaching methods to the different learning styles of the students.
- Updating Assessment Methods:
- Develop a variety of assessment methods to measure student learning, such as tests, quizzes, projects, and presentations.
- Use rubrics to provide clear and consistent feedback to students.
- Align the assessment methods with the learning objectives of the course.

D. Equipping Students with the Skills Needed for the Dental Profession:

- Focus on developing the skills that are most important for dental professionals, such as critical thinking, problem-solving, communication, and teamwork.
- Provide students with opportunities to practice these skills in a variety of settings.
- Help students develop the professional values that are important for dental professionals, such as ethics, integrity, and compassion.

Lecture	Topic
Part I: General anatomy	
1	Introduction to anatomy and human body
2	Level of organization
3	Anatomical positions
4	Body regions and cavities
5	Body planes and sections
6	Directional terms
7	Tissues and membranes
Part II: Body regions	
8	Upper limb
9	Lower limb
10	Thorax
11	Abdomen
12	Pelvis
13	Head and neck
Part III: Body Systems	
14	Musculoskeletal system: Bones, joints and muscles
15	Digestive system I: Digestive tract
16	Digestive system II: Accessories and glands
17	Cardiovascular system: heart and blood vessels

18	Lymphatic system
19	Respiratory system
20	Nervous system I: Central nervous system: brain and spinal cord
21	Nervous system II: Peripheral nervous system and cranial nerves
22	Nervous system III: Autonomic nervous system
23	Special senses
24	Endocrine system
25	Urinary system
26	Reproductive system
27	Gynecology, pregnancy, and childbirth
28	Embryology
29	Childhood, growth and development

11. Learning and Teaching Resources

Required textbooks (curricular books, if any)	1. Snell's Clinical Anatomy by Regions, 10th edition. Wolters Kluwer 2019 2. Netter's Head and Neck Anatomy for Dentistry, 3rd edition. Elsevier 2017 3. Gray's Atlas of Anatomy, 3rd edition. Elsev 2021
Main references (sources)	4. Snell's Clinical Anatomy by Regions, 10th edition. Wolters Kluwer 2019 5. Netter's Head and Neck Anatomy for Dentistry, 3rd edition. Elsevier 2017 Gray's Atlas of Anatomy, 3rd editi Elsevier 2021
Electronic References, Websites	TM Anatomy and Anatomy Learni applications

Course Description Form

1. Course Name:
Bio chemistry
2. Course Code:
ANT12209
3. Semester / Year:
Semester2/2025-2026
4. Description Preparation Date:
1/4/2026
5. Available Attendance Forms:
Theory/practical /Weekly
6. Number of Credit Hours (Total) / Number of Units (Total)
Experimental 3/Theoretical 2
7. Course administrator's name (mention all, if more than one name)
Name: prof. Dr. Ali abdulla Email:
8. Course Objectives

Course Objectives	**Understanding the vital activities taking place the human body** **• Knowing and diagnosing some diseases** **• Knowledge of the functioning of vital syste within the body** **• Knowing the normal ratios for each biolog analysis**

9. Teaching and Learning Strategies	
Strategy	A- Cognitive objectives: --1 The student can understand the vital activities within the body -2 The student can distinguish and diagnose the healthy and injured condition of the or being examined 3- The student can explain the mechanism of the image resulting from chemical analyses 4-The student can understand and write a report on this B - Skills objectives of the course: B1 - The student can solve problems and give quantitative ratios in analysis B2 - The student can write the medical report B3 - The student can solve problems related to the organs inside the human body

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	**Water Homeostasis Electrolytes**	**Water Homeostasis Electrolytes**	in person educat lectures using c show (PowerPo software.	• Shortc uizzes • Term exam • Final exam
2	2	**proteins Minerals**	**proteins Minerals**	in person educat lectures using c	• Short cuizzes • Term exam • Final exam

				show (PowerPo software.	
3	2	**Diabetes mellitus**	**Diabetes mellitus**	in person educat lectures using c show (PowerPo software.	• Short cuizzes • Term exam • Final exam
4	2	**Other types of DM LADA**	**Other types of DM LADA**	in person educat lectures using c show (PowerPo software.	• Shortc uizzes • Term exam • Final exam
5	2	**tests are used for diagnosis of diabetes**	**tests are used for diagnosis of diabetes**	in person educat lectures using c show (PowerPo software.	• Short cuizzes • Term exam • Final exam
6	2	**.◦ hemoglobin A1c (HbA1c) test**	**.◦ hemoglobin A1c (HbA1c) test**	in person educat lectures using c show (PowerPo software.	• Short cuizzes • Term exam • Final exam
7	2	**Enzymes**	**Enzymes**	in person educat lectures using c show (PowerPo software.	• Short cuizzes • Term exam • Final exam
8	2	**PLASMA ENZYMES:**	**PLASMA ENZYMES:**	in person educat lectures using c show (PowerPo software.	• Short cuizzes • Term exam • Final exam
9	2	**LACTATE DEHYDROGENASE (LDH) (LD)**	**LACTATE DEHYDROGENASE (LDH) (LD)**	in person educat lectures using c show (PowerPo software.	• Short cuizzes • Term exam • Final exam
10	2	**Liver Function Tests**	**Liver Function Tests**	in person educat lectures using c show (PowerPo software.	• Short cuizzes • Term exam • Final exam
11		**Albumin** **Bilirubin metabolism**	**Albumin** **Bilirubin metabolism**		
12	2	Final Examination	Final Examination	in person educat lectures using c show (PowerPo software.	• Short cuizzes • Term exam • Final exam

11. Course Evaluation

- The exam is based on the CUSE system and semester exams

- Distribution of the grade out of 50 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, written exams, reports, etc.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	1- Lippincott's Illustrated Reviews: Biochemistry, Fifth Ed. and Biochemistry M (Medmaps) Bundle: Richard Harvey and Denise. Lippincott Williams & Wilkins, 201 2- David L. Nelson; Michael M. Cox . (201 .Lehninger .Principles of Biochemistry. Seve Edition| ©2017 New Edition Available .

	3- John Wiley & Sons Ltd (2018). Peter Rae Clinical Biochemistry Lecture
Main references (sources)	. 1. - Vadakedath S and Kandi V."Dialysis: Review of the Mechanisms Underlying Complications in the Management of Chron Renal Failure".Cureus. 2017 Aug 23;9(8) 2-Valdete Topçiu-Shufta and Valdete Haxhibeqiri."Lipid Disorders in Uremia". Chapter - 54 .ONLINE FIRST. Published November 11th 2019. 3- Clinical Chemistry , Fifth edition , Micha L-Bishop , Ms , CLS , MT (ASCP) , Lipinc Williams & wilkins . A wolters kluwer company , (2005) . 4-Jacobs D.S etal , Laboratory text hand boo 3rd edition , Lexicomp Inc . (1994) . 5-Brown B.I ; Brown D.H in Carbohyd metabolism and Its disorد
Recommended books and references (scientific journals, reports...)	Internet
Electronic References, Websites	Websites of magazines classified within Scop international publishing houses, international universities

The structure of the course is the practical aspect		
	Laboratory sessions & *Clinical requirements*	الساعات
1	Lab saftety	2
2	Use a mercury blood pressure device	2
3	Method of drawing blood	2
4	Blood type diagnosis	2
5	Kidney function test/ determination serum urea	2
6	/ determination serum ceratinine	2
7	/ determination serum uric acic	2
8	General review and exam	2

Course Description Form

Course name

Medical Terminology

Course code

MT-101

semester/ year

First Year / First Semester

Date this description was prepared

23 May 2026

Available attendance forms

In-person lectures and practical activities

Number of study hours (total) / Number of units (total)

30 study hours / 2 units

Name of the course administrator (if more than one name is mentioned)

Department of Cosmetic and Laser Technologies

objectives Course

Course objectives:

1. Understand the basics of medical terminology including roots, prefixes, and suffixes.
2. Learn terminology related to the systems of the human body.
3. Apply medical terms in cosmetic and laser technology contexts.
4. Improve the ability to read and write medical reports and diagnostic terminology.

Teaching and learning strategies

Teaching and learning strategies:

- Interactive lectures
- Practical examples and exercises
- Group discussions
- Medical terminology worksheets
- Diagnostic report writing activities

Course structure

Evaluation method	**Learning method**	Evaluation Method	Name of Unit or Topic	Required Learning Outcomes	Week
		Quiz	Introduction to Medical Terminology	Understand and apply medical terminology	Week 1

		Class activity	Anatomical Directions and Planes	Understand and apply medical terminology	Week 2
		Short test	Skin and Dermatology Terminology	Understand and apply medical terminology	Week 3
		Quiz	Muscular System Terminology	Understand and apply medical terminology	Week 4
		Homework	Skeletal System Terminology	Understand and apply medical terminology	Week 5
		Quiz	Nervous System Terminology	Understand and apply medical terminology	Week 6
		Class discussion	Cardiovascular System Terminology	Understand and apply medical terminology	Week 7
		Short test	Respiratory System Terminology	Understand and apply medical terminology	Week 8
		Quiz	Digestive System Terminology	Understand and apply medical terminology	Week 9
		Homework	Urinary System Terminology	Understand and apply medical terminology	Week 10
		Quiz	Reproductive System Terminology	Understand and apply medical terminology	Week 11

		Class activity	Lymphatic and Immune Systems Terminology	Understand and apply medical terminology	Week 12
		Quiz	Dermatology and Cosmetic Terminology	Understand and apply medical terminology	Week 13
		Short test	Nervous System and Special Senses	Understand and apply medical terminology	Week 14
		Final evaluation	Medical Record Activity and Diagnostic Report	Understand and apply medical terminology	Week 15

Course Evaluation

Learning and teaching resources

	Course Evaluation: Quizzes, assignments, classroom participation, practical activities, and final examination.
	Learning and teaching resources: - Medical terminology textbooks - Anatomy charts and diagrams - Cosmetic and laser terminology references - Lecture notes and presentations

Translated from Arabic to English - www.onlinedoctranslator.com

Course description form

1. Course Name
human rights
2. CodeThe decision
HMT121 (human rights)
3. the chapter /the year 2025\2026
Fall semester
4. Date this was preparedthe description
22/9/2025
5. aAttendance forms available
In presence
6. Number of study hours (total)/number of units (total)
(Two hours) Weekly
7. Name of the course administrator(If more than one name is mentioned)
Name: Humam Ali Sabeeh Emali: Humam.a.sabeeh@gu.edu.iq
8. Course objectives

➢ Disseminate the concept of human rights and a statementSpeciesRights, freedoms, and intellectual contribution to the development of this idea. ➢ Statement of the position of international agreements and Iraqi and Arab constitutions on these rights. ➢ Educating on legal, judicial and political means of protecting human rights.	**Objectives the stu subject**
9. Teaching and learning strategies	
- Attendance lectures (lecturerfigWeekly) and interactive lectures Electronic(Google meet) As needed. - Using modern educational methods and techniques and (Powerpoint)	**The strate**

The first stage/Chapter one
human rights

10. Course structure

Evaluation method	Learning method	Name of the unit or topic/	Required learning outcomes	hours	the week

Oral exam, student participation, interaction and attendance	**Theoretical lecture**	**The concept of right, humanity and human rights**	**Know and understand**	**1**	**the first**
Oral exam, student participation, interaction and attendance	**Theoretical lecture**	The historical development of the idea of human rights in antiquity and the Middle Ages	**Know and understand**	**1**	**the second**
Oral exam, student participation, interaction and attendance	**Theoretical lecture**	The historical development of the idea of human rights in the Renaissance and the beginning of the modern era	**Know and understand**	**1**	**the third**
Oral exam, student participation, interaction and attendance	**Theoretical lecture**	The historical development of the idea of human rights in divine laws/Islamic law	**Know and understand**	**1**	**the fourth**
Oral exam, student participation, interaction and attendance	**Theoretical lecture**	Intellectual contribution to the development of the idea of human rights / ancient and medieval times	**Know and understand**	**1**	**Fifth**
Oral exam, student participation, interaction and attendance	**Theoretical lecture**	Intellectual contribution to the development of the idea of human rights / in the Renaissance and the early modern era	**Know and understand**	**1**	**VI**
Oral exam, student participation, interaction	**Theoretical lecture**	Types of rights and freedoms/traditional freedoms	**Know and understand**	**1**	**Seventh**

and attendance					
Oral exam, student participation, interaction and attendance	**Theoretical lecture**	Economic freedoms	**Know and understand**	**1**	**VIII**
Oral exam, student participation, interaction and attendance	**Theoretical lecture**	Social freedoms	**Know and understand**	**1**	**Ninth**
Oral exam, student participation, interaction and attendance	**Theoretical lecture**	Human rights in declarations of rights and regional documents/national and universal declarations of rights	**Know and understand**	**1**	**The tenth**
Oral exam, student participation, interaction and attendance	**Theoretical lecture**	Human rights in regional agreements	**Know and understand**	**1**	**eleventh**
Written exam	**Theoretical lecture**	Written exam	**Know and understand**	**1**	**twelveth**
Oral exam, student participation, interaction and attendance	**Theoretical lecture**	Human rights in Iraqi constitutions	**Know and understand**	**1**	**Thirteenth**
Oral exam, student participation, interaction and attendance	**Theoretical lecture**	Legal and judicial means of protecting human rights	**Know and understand**	**1**	**fourteenth**
Oral exam, student participatio	**Theoretical lecture**	Political means of protecting human rights	**Know and understand**	**1**	**Fifteenth**

n, interaction and attendance					

11. Course evaluation	
Distribution of the grade out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, written exams, reports, etc. - A written semester exam of 20 points - Student attendance and participation in class, oral exams, quick exams, and submission of work papers And research of 10 marks - Final exam of 70 points - Total 100 marks	
12. Learning and teaching resources	
	Required textbooks (methodology, if ar
Required textbooks/Human Rights book by Dr. Hamid Hanoun Khaled	Main references (sources)
LooksIslamicIn the Declaration of Human Rights by Muhammad Muhammad Sadiq al-Sadr Based on the letter of the Ministry of Higher Educat and Scientific Research / Department of Studies, Plann and Follow-up / Department of Studies and Planning, 3/7659 dated 10/19/2023.	Supporting books and references that Recommended (scientific journals, reports….)
	Electronic references, Internet sites