

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



**Academic Program and Course
Description Guide
Year One
College of medicine
University of Alkafeel**

2025-2026

Academic Program Description Form

University Name:

Alkafeel

Faculty/Institute:

College of Medicine

Year name:

One

Year moderator: Lect. Dr. Mohammed Jaafar Mohammed Hassan Al-anssari

Academic or Professional Program Name: MBChB

Final Certificate Name:

MBChB

Academic System:

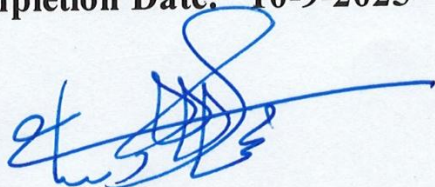
Courses

Description Preparation Date:

2025-2026

File Completion Date: 10-9-2025

Signature:



Year moderator

Lect. Dr. Mohammed Jaafar Mohammed
Hassan Al-anssari

Date: 10-9-2025

Signature:



Scientific Associate Name:

Asst. Prof. Dr. Fatimah Kareem
Khalaf

Date: 10-9-2025

The file is checked by:

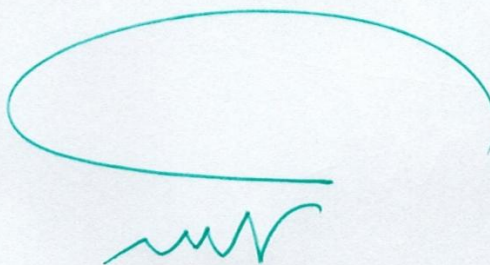
Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Asst. Lect. Ameer Mohammed Kadhim

Date: 10-9-2025

Signature:



Approval of the Dean

Asst. Prof. Dr Samer Makki Mohamed Al Hakkak

Introduction:

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

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

This guide, in its Fourth version, includes a description of the academic program after updating the subjects and paragraphs of the previous guide in light of the updates and developments of the educational system in Iraq, which included the description of the academic program in quarterly

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

Concepts and terminology:

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

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

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

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

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

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

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

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

World-class medical college recognized for excellence in education, research and clinical care, and to prepare the next generation of compassionate, innovative health care professional.

2. Program Mission

Following the most updated and recognized parameters and fostering the scientific research to prepare qualified graduates in medicine to comply with the community needs and modernity in the profession.

3. Program Objectives

1. Prepare graduates capable of diagnosis, treatment, and follow-up of patients.
2. Convey medical knowledge and skills through university education, continuous learning, and higher research work.
3. Fostering professional and moral values in providing health care.
4. Joining the students in the process of complying and improving the knowledge through scientific research.

4. Program Accreditation

Does the program have program accreditation? No (the first batch of the college are now a 4th -year students)

5. Other external influences

Is there a sponsor for the program?

Yes, Ministry of Higher Education- Private Education Department and Higher Education Authority- Attabah Abbasia

6. Program Structure

Program	Number of	Credits	Percentage	Reviews
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Structure	Courses			
Institution Requirements	2	44	5%	Basic
College Requirements	15	44	5%	Basic
Department Requirements	2	44	5%	Basic
Summer Training	Nil	Nil	Nil	
Other				

7. Program Description				
Year/Level	Course Code	Course Name	Credit Hours	
			Theoretical	Practical
Year one	AN001	Anatomy S1	2	2
		Anatomy S2	2	2
	BIO001	Biology S1	3	2
		Biology S2	2	2
	PHY001	Physiology	2	-
	PHC001	Physics S1	2	2
		Physics S2	2	2
	CH001	Chemistry S1	3	2
		Chemistry S2	2	2
	PC001	Computer S1	2	2
		Computer S2	1	2
	TER001	Medical Terminology S1	2	2
	ENG001	English language S2	2	2
	HUM001	Human rights	1	-
	ECPD001	ECPD 1	2	4
	AR001	Arabic	2	-

8. Expected learning outcomes of the program
Knowledge

Human Anatomy/Physiology/Biology	Gain a comprehensive understanding of the structure and function of the human body at the cellular, tissue, organ, and system levels.
Chemistry	Grasp the chemical processes within living organisms and their role in health and disease.
Physics	Knowledge of the physics of the human body through knowledge of the natural structure and function of the body, the systems of the main organs, and the physical laws that control them
Skills	
Early Clinical and Professional Development (ECPD)	Develop the skills to gather a comprehensive medical history from patients and perform a thorough physical examination.
Medical Terminology	Become proficient in medical terminology to accurately document and discuss patient conditions.
Ethics	
Medical Ethics	To treat all patients according to principles of medical ethics, emphasizing patient confidentiality, informed consent, and professional integrity
Patient safety	To develop essential clinical skills with the overall aim of ensuring patients' safety.
9. Teaching and Learning Strategies	
1. Theory lectures 2. Laboratory sessions 3. Display and presentation. 4. Interactive discussion 5. Brainstorming 6. Small group teaching 7. Flipped classroom. 8. Seminar 9. Clinical visit 10. Interactive Learning Activities (ILA)	
10. Evaluation methods	

1. Homework and individual and group reports
2. Daily quizzes (Formative and Summative Exams)
3. Practical skills assessment
4. Midterm and Final term exams

11. Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
Asst.Prof.Dr. Samer Makki Mohammed		✓			✓	
Asst.Prof.Dr. Fatima Kareem Khalaf		✓			✓	
Lect.Dr. Mohammed Jaafar Al-anssari		✓			✓	
Prof. Dr. Adel H. Omran Alkhayatt		✓			✓	
Prof.Dr. Talib Hussain kamoona		✓			✓	
Lect. Dr. Ali Kamal		✓			✓	
Lect.Dr. Firas Fadhil Mohammed		✓			✓	
Lect.Dr. Haider Abdulwahab		✓			✓	
Lect.Dr. Ghufraan Al-Tolaqani		✓			✓	
Lect. Dr Yassin Khodair Aubais		✓			✓	
Asst. Lect. Qusay Mohsin Kadhim		✓			✓	
Asst.Lect. Hijran Qais		✓			✓	
Asst.Lect. Alaa Ghafar		✓			✓	
Lect.Dr.Zakia Nasser		✓			✓	
Asst.Lect. Hiba Abdul Jaleel		✓			✓	
Asst.Lect. Thulfiqar Kamil Yousef		✓			✓	
Asst.Lect. Ameen Abdul Redha Amen		✓			✓	

Asst.Lect. Ali Akbar Khalid		✓			✓	
Asst. Lect Ghaith Hassan Alwan		✓			✓	
Asst.Prof.Dr. Ahmed Nassir Mohammed		✓				✓
Asst.Prof.Dr. Hayder Majid Ali		✓				✓
Dhuha Ayad	✓				✓	
Hussein Ali Abdulwahid	✓				✓	
Muslim Hashim Munaf	✓				✓	
Duha Imran Mousa	✓				✓	
Ali Munther Nizar	✓				✓	
Mujtaba Hassan Rajab	✓				✓	
Saraa Abbas Mohsin	✓				✓	
Sara Ameen Abdulzahra	✓				✓	
Mustafa Adnan essa	✓				✓	
Zahraa Zuhair Abd Al-Akhwah	✓				✓	
Hassan Abdelhalim	✓				✓	
Yassin Fares Abd	✓				✓	
Noor Mohammed Kazem	✓				✓	
Fatima Mohammed Hussein	✓				✓	
Mohammed Taqi Ali Jawad	✓				✓	
Fatima Abdulzahra Abdulamir	✓				✓	
Nermin Ali Tameh	✓				✓	
Qasim Abdulhassan Abd	✓				✓	
Mujtaba Hassan Majid	✓				✓	

Professional Development
Mentoring new faculty members
Subjecting new teachers to courses on teaching methods and taking a teaching

competency test, and only by passing it are they allowed to teach, while following up on their teaching methods and giving them feedback.

Professional development of faculty members

Follow up on teaching methods for all teachers by the Office of the Assistant Dean for Scientific Affairs, prepare seminars and workshops to develop teaching and speaking skills, and ensure the preparation and presentation of lectures in the continuing medical education curriculum.

12.Acceptance Criterion

The academic average for the student's graduation from preparatory school, physical and mental health according to the standards established and approved by the Ministry of Higher Education and Scientific Research

13.The most important sources of information about the program

1. Approved and authenticated documents for the general curriculum of the college and the courses, vision, mission, and goals of the university and college in both Arabic and English.
2. The website of the Ministry of Higher Education and Scientific Research.
3. The official website of AlKafeel University and its College of Medicine.

14.Program Development Plan

- Systematic and recurring self-evaluation studies of the program based on evaluating the learning and teaching outcomes of students and obtaining feedback from students about the program's components.
- 2) Regular meetings with teaching staff in local and foreign medical colleges to learn about new curricula and teaching methods.
 - 3) Holding workshops on developing curricula and teaching methods in the college or attending those held in neighboring universities.

Course Description Form

1. Course Name:	
Biology	
2. Course Code:	
BIO001	
3. Semester / Year:	
1st + 2nd Semester / 2025-2026	
4. Description Preparation Date:	
September 9 2025	
5. Available Attendance Forms:	
Class + Lab	
6. Number of Credit Hours (Total) / Number of Units (Total)	
75 T + 90 P / 4.5 credits	
7. Course administrator's name	
Asst. Lect. Ghufran Abdulleha Al-Tolaqanee Asst. Lect. Ameen Abd Al-Reda Shlash	
8. Course Objectives	
Course Objectives	• Mastery of Cellular Ultrastructure & Bioenergetics Clarify the complex structural-functional relationships of eukaryotic organelles and the molecular kinetics of biological macromolecules (proteins, lipids, carbohydrates) essential for maintaining cellular homeostasis and metabolic regulation. • Vertical Clinical Integration Synthesize the direct linkage between basic biological principles and clinical pathology, enabling the student to correlate specific cellular dysfunctions with systemic disease manifestations (e.g., correlating cytoskeleton defects with Primary Ciliary Dyskinesia). • Genomic Regulation & Reproductive Continuity Analyze the mechanisms of nuclear control, chromatin organization, and the clinical implications of chromosomal segregation. This includes a critical understanding of genetic variation and the pathophysiology of non-disjunction events, such as Down Syndrome.

- **Pathogenic Classification & Medical Zoology** Critically evaluate the structural biology, replication cycles, and transmission dynamics of medically significant prokaryotes, viruses, and parasites (Protozoa and Platyhelminthes) to establish a foundation for antimicrobial targeting and infectious disease management.
- **Evidence-Based Scientific Literacy** Equip students with the analytical tools required to interpret medical research and applied biology, fostering a transition from rote memorization to the appraisal of high-yield literature and international medical databases (e.g., Osmosis-aligned frameworks).
- **Advanced Clinical Reasoning & Synthesis** Develop a "clinical-first" mindset through interactive, discussion-based inquiry, requiring students to apply theoretical knowledge to solve complex diagnostic vignettes and understand the biological "why" behind clinical presentations.

9. Teaching and Learning Strategies

Strategy

The instructional design of this course utilizes a multimodal, integrated educational framework designed to transition students from foundational theory to clinical application through the following strategies:

- **Evidence-Based Theoretical Instruction** Core biological concepts are delivered through Interactive Discussion Lectures. Moving beyond rote memorization, these sessions utilize Case-Based Learning (CBL), where theoretical content is anchored in real-world clinical vignettes. This requires students to engage in active problem-solving and diagnostic reasoning from the earliest stage of their medical education.
- **Vertical Integration & Co-Teaching Models** to reinforce the clinical relevance of Basic Sciences, the course incorporates Co-Teaching elements. By bridging the gap between biological theory and clinical practice, students are taught to view cellular processes through the lens of a medical practitioner, facilitating smoother transitions into later clinical phases.
- **Applied Laboratory Praxis** The laboratory component serves as a critical environment for Experiential Learning. Students move beyond observation to perform structured experiments that validate theoretical models. This environment is designed to develop precision in technical skills, data interpretation, and the application of the scientific method to medical inquiry.
- **Critical Inquiry & Red-Flag Synthesis** Instructional delivery prioritizes the identification of "Red-Flag" concepts—high-yield biological points with profound clinical implications. Through guided questioning and concept-linking, students develop the cognitive agility to synthesize

information across different biological systems.

10. Course Structure: First Semester

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	1		Introduction to biosafety and security and biosafety barriers in bio labs	Lecture Lab	Daily quizzes (Formative and Summative Exams) Midterm examination Practical final examination Theoretical final examination
1	1		Biosafety level and biological agents		
2	1		Bio risk, Biohazard and management system		
2	1		Types of biological wastes		
3	1		Transportation of biological materials		
3	1		Accident response		
4	1		Definitions in cell biology		
4	1		Introduction & type of living cells		
5	1		The Chemical components of cells		
5	1		The plasma membrane		
6	1		The plasma membrane		
6	1		Exocytosis & endocytosis		
7	1		The cytoplasm		
7	1		Cytoskeleton		
8	1		The endomembrane system		
8	1		The endomembrane		

			system		
9	1		Cell junctions		
9	1		Cell junctions		
10	1		Mitochondria (structure and function		
10	1		Mitochondria (structure and function		
11	1		The nucleus (structure and function)-1		
11	1		The nucleus (structure, function)-1		
12	1		Nucleolus and chromatin		
12	1		Cell cycle		
13	1		The cell division (mitosis)		
13	1		The cell division (meiosis)		
14	1		Meiosis		
14	1		Introduction to Anatomy Definitions and descriptions		
15	1		Planes and terminology		
15	1		Body cavities and abdomino- pelvic regions		
16	1		Skin and fascia,		
16	1		Locomotor system, osteology		
17	1		Locomotor system, myology		
17	1		Locomotor system the joints		
18	1		Locomotor system, synovial joints		

18	1		Nervous system, PNS.		
19	1		Nervous System, CNS		
19	1		Nervous system autonomic		
20	1		Heart		
20	1		Blood vessels		
21	1		lymphatic system		
21	1		The kingdom Monera (introduction and classification)		
22	1		The protozoa		
22	1		Platyhelminthes (classification, general characteristics, life cycle, and pathogenic symptoms		
1	2		Laboratory safety measures		
2	2		light microscope		
3	2		Other types of microscope (Dissecting microscope)		
4	2		Microtechnique and blood cells		
5	2		Ultrastructure of the eukaryotic cell(plasma membrane, bulk		
6	2		Ultrastructure of the eukaryotic cell(cell organelles, endomembrane		
7	2		Ultrastructure of Cytoskeleton types		
8	2		Cell division		

			,mitosis		
9	2		Cell division ,meiosis I,II		
10	2		Terminology, Planes and Body cavities		
11	2		Locomotor system		
12	2		Heart, blood vessels and lymphatics		
13	2		Nervous system		

10. Course Structure: Second Semester

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	1		Microscopes; types and usage	Lecture Lab	Daily quizzes (Formative and Summative Exams) Midterm examination Practical final examination Theoretical final examination
1	1		Introduction to genetics		
2	1		Patterns of Chromosome Inheritance		
2	1		Chromosomes structure		
3	1		Cell cycle regulation		
3	1		Chromosome Inheritance abnormalities		
4	1		Sex linked Inheritance		
4	1		Patterns of Genetic inheritance (Genotype and Phenotype)		
5	1		Inheritance of Genetic Disorders		
5	1		DNA Biology (DNA & RNA Structure & Function)		

6	1		DNA Replication		
6	1		Gene Expression		
7	1		Cancer (Overview of cancer)		
7	1		Stem cells		
8	1		Clinical application of stem cells		
8	1		Classification of primary tissues		
9	1		Adaptation of human to biosphere		
9	1		Human interaction to biosphere		
1	2		Study types and shapes of chromosome		
2	2		Micro techniques(blood group typing)		
4	2		Clinical features of certain chromosomal abnormalities		
4	2		Human inherited characteristic analysis		
5	2		Inheritance related to sex		
			Midterm		
6	2		Method of DNA Extraction		
8	2		Site of stem cells in the body		
9	2		types of muscular tissue		
10	2		types of nervous tissue		
11	2		Protozoa II		
12	2		Platyhelminthes II		

11. Course Evaluation

For each semester: Evaluation semester 10, Theoretical mid-semester 20, Final Practical 20, and Final theoretical 50

12. Learning and Teaching Resources

Required textbooks	[1] Lippincott Illustrated Reviews: Cell and Molecular Biology. Second Edition Nalini Chandar, Susan Viselli, [2] Human biology / Sylvia S. Mader, Michael Windelspecht. Fifteenth edition. New York, NY: McGraw-Hill Education, [3] Molecular Biology of the cell, Bruce Albert, 6th Edition (2017)
Main references (sources)	Same as above
Recommended books and references (scientific journals, reports...)	Additional resources are provided in each lecture separately if required
Electronic References, Websites	

Course Description Form

1. Course Name:
Computer
2. Course Code:
PC001
3. Semester / Year:
1 st + 2 nd Semester / 2025-2026

4. Description Preparation Date:					
September 9 2025					
5. Available Attendance Forms:					
Class + Lab					
6. Number of Credit Hours (Total) / Number of Units (Total)					
1T + 2 P / 2 Credits					
7. Course administrator's name					
Name: Asst. Lect. Ghaith Hassan Alwan					
8. Course Objectives					
Course Objectives		To make the student able to use a computer and essential computer-base programs, including the writing of algorithms, using internet resources, and writing skills of report/research.			
9. Teaching and Learning Strategies					
Strategy		Focus on practical training using the computer laboratory to simulate the teaching who uses the interactive whiteboard			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-3	3		Computer Fundamentals & Digital Literacy	Lectures	Daily quizzes (Formative and Summative Exams)
4-5	2		Word Processing for Medical Documentation		
6-7	2		Internet, Email & Medical Information Systems		
8-9	2		Introduction to AI & IOT in Medicine		
10-12	3		Introduction to Databases in Healthcare	Lab sessions	Theoretical final Exam
13-15	4		Statistical Computing using SPSS		
1-2	3		Get to know the		

			operating system & Word Processing Basics		
3-4	3		Advanced Word Tools		
5-6	3		Internet Skills		
7-8	3		Email & Medical Platforms		
9-10	3		AI & IoT Demonstration Lab		
11-12	3		Database Creation		
13-14	3		Database Forms		
15	3		Database Queries		

11.Course Evaluation

For each semester: Evaluation semester 10, Theoretical mid-semester 20, Final Practical 20, and Final theoretical 50

12.Learning and Teaching Resources

Required textbooks (curricular books, any)	Mukesh Sharma, "Basic Computer Course", Abhishek Publications
Main references (sources)	Connie Morrison & Et Al., "Computer Literacy Basics", Cengage
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:
Physics
2. Course Code:
PHC001
3. Semester / Year:
1st + 2nd Semester / 2025-2026

4. Description Preparation Date:					
September 9 2025					
5. Available Attendance Forms:					
classes and labs					
6. Number of Credit Hours (Total) / Number of Units (Total)					
120 hours (6 credits)					
7. Course administrator's name					
Prof. Dr. Adel H. Omran Alkhayatt adelh.alkhayatt@alkafeel.edu.iq Asst.Lect. Hijran Qais					
8. Course Objectives					
Course Objectives		1. Training the student to develop the necessary comprehensive academic framework in the subject medical physics. 2. Practical understanding of medical physics in the field diagnostic radiology, health and nuclear physics. 3. Develop basic knowledge and understanding of the relationship between physics theories and their applications in medicine. 4. Developing deductive ability and linking practical and theoretical physics and their applications in the medical field. 5. Understanding how to protect patients and workers from the risks of using various devices in diagnosis and treatment. 6. Preparing the student for higher level courses in the medical field.			
9. Teaching and Learning Strategies					
Strategy		Understanding the theoretical basics through the lecture using display screen and video clips, and completing the performance of practical skills by conducting experiments in the scientific laboratory.			
10.Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-2	2		Terminology,	Lectures	

			Modeling, measurement, how to make a full diagnose		
3-5	2		Forces on and in the human body, Frictional force, Centrifuge, Sedimentation velocity. problems for medical applications		Daily quizzes (Formative and Summative Exams)
6-7	2		Physics of the skeleton. Mechanical Properties of the Bones. The functions of bones, Types of bones		Reports
8	2		Lubrication of bone joints. The function of synovial fluid. Measurement of Bone Mineral in the Body. problems for medical applications		Midterm Exam
9-10	2		Pressure, measurement of pressure in the body, blood pressure, average, pulse and mean pressure. Pressure inside the skull, Eye pressure.		Practical final Exam
11	2		Ear pressure, Pressure in the Skeleton System, Pressure in the Respiratory System		Theoretical Final Exam
12	2		Heat and cold in medicine,		
13	2		Physiological applications of heat transfer		
14	2		Energy, work, and		

			power of the body Conservation of energy in the body, energy change in the body		
15	2		Work and power, heat losses from the body		
11	2		The physics of lung and breathing function of lung, The airways.		
12	2		How the blood and lung interact, principles of diffusion.		
13	2		Electricity within the body: The nervous system and the neuron, electrical potentials of nerves,		
14	2		Electromyogram (EMG). Electrical activity of the heart, Electric Dipole model.		
15	2		Sound in medicine. spectrum of sound. Wave classification. The physical characteristics of sound waves.		
16	2		Ultrasonic sound. The sonar techniques. A-Scan, B-Scan and M scan.		
17	2		Electricity within the body: The nervous system and the neuron,		

			electrical potentials of nerves		
18	2		Electromyogram (EMG). Electrical activity of the heart, Electric Dipole model.		
19	2		Sound in medicine. spectrum of sound. Wave classification. The physical characteristics of sound waves.		
20	2		Ultrasonic sound. The sonar techniques. A-Scan, B-Scan and M scan.		
21	2		Physics of the ear and hearing		
22	2		Light in medicine: The spectrum of electromagnetic waves. The properties of light. Mirror equations. Lens equations.		
23	2		Application of ultraviolet and infrared light in medicine.		
24	2		Laser interaction with tissue and its medical applications		
25	2		Production of X-ray beams. How X-rays are absorbed. Making an X-ray image.		
26	2		Physics of nuclear medicine: Medical radioisotopes.		

1	3		a. How to write a report in practical physics? b. methods for finding errors c. The Principle of vernier and the use of vernier caliper. (Sheet)	Lab	
2	3		The use of micrometer and traveling microscope. (Sheet)		
3	3		a. Simple pendulum: a. Acceleration of gravity. b. Method of data analysis and representation		
4-5	3+3		a. Flow of water through a capillary tube: To show that the rate of flow is proportional to the applied pressure. b. Flow of water through a capillary tube to deduce the viscosity of water.		
6	3		Variation of the resistance of a wire with temperature and measurement of its temperature coefficient.		
7	3		a. Surface tension of water by the capillary tube method.		
9	3		Blood pressure. (Sheet)		
10	3		Determination of the speed of sound using		

			a resonance tube (using a set of tuning forks).		
11	3		Hooks law		
12	3		Polarization of light using the polarimeter		
14	3		Using laser beam to study single-slit and circular hole diffraction		
15	3		Focal length of a diverging lens using a converging lens		
16	3		Refractive index of a glass and liquid by real and apparent depth using a traveling microscope		
17	3		Use of a spectrometer to measure the refractive index of the glass of prism		
18	3		Studying the reflection &refraction using laser beam		
19	3		Investigation of the inverse square law for gamma radiation		
20	3		Scattering of beta particles by absorption in aluminum		
21	3		Use of a spectrometer to measure the wavelength of Mercury light using Diffraction grating		

11.Course Evaluation

Quizzes (10), Midterm examination (20), Theoretical final examination (50), practical final examination(20)

12.Learning and Teaching Resources	
Required textbooks (curricular books, if any)	1. Medical physics by John Cameron and James Skorfronnick 2. Physics for biology and pre-medical students, D Burne & S.G.G. MacDonald 3. Practical Physics in SI by E. Aramitage
Main references (sources)	College Physics / OpenStax College Rice University / 2013
Recommended books and references (scientific journals, reports...)	Chrestens' physics of diagnostic radiology.
Electronic References, Websites	

Course Description Form

1. Course Name:
Anatomy
2. Course Code:
AN001
3. Semester / Year:
1 st & 2 nd semester/ 2025-2026
4. Description Preparation Date:
September 9 2025
5. Available Attendance Forms:
Theoretical lectures & practical labs
6. Number of Credit Hours (Total) /Number of Units (Total):
Number of theoretical hours: 30 hours (2hours /week) Number of practical hours: 30 hours (2hours /week) Number of credit: 3 credits

7. Course administrator's name:

Asst. Prof.Dr. Hayder Majid Ali
Lect. Dr. Ali Kamal
Hassan Abdelhalim
Mustafa Adnan Issa

8. Course Objectives:**Course Objectives**

- 1) Understanding the terms used in describing different regions of the body.
- 2) Brief descriptions of the basic structures that compose the body.
- 3) Description of the structure of the bones, muscles, joints , nerves & blood vessels of the upper & lower limbs
- 4) Emphasize the clinical significance of upper & lower limbs structures and relations facilitating the understanding of a disease process on anatomical grounds.
- 5) Provide surface markings of upper & lower limbs structures on the body wall emphasizing peripheral pulses and palpable bony landmarks.
- 6) Direct the anatomical knowledge towards the appearance of structures when they are imaged in radiographs.

9. Teaching and Learning Strategies:**Strategy**

- 1-Holding seminars supervised by the teachers of the scientific material
- 2-Hosting seminar & training workshops about practical anatomy, embalming & plastination methods
- 3-Hosting distinguished professors in anatomy to share their knowledge in anatomical sciences & to give lectures about up to date anatomical researches

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	1		Osteology of the upper limb	Power point&	Semester examination, quizzes,

	1		Superficial structures of the upper limb	plastic models	final examination
	1		Anterior thoraco- appendicular muscle		
2	1		Posterior thoraco- appendicular muscles. Joints of the pectoral region		
	1		Scapulohumeral muscles		
	1		The shoulder joint, functional and clinical anatomy		
3	1		The axilla: boundaries and axillary vessels and lymph nodes. Clinical Correlates		
	1		The brachial plexus		
	1		The arm: anterior compartment		
4	1		The arm: posterior compartment		
	1		Clinical anatomy of fractures of humerus		
	1		The cubital fossa and elbow joint. Applied anatomy of cubital fossa		
5	1		Flexor compartment of the forearm		

	1		Extensor compartment of the forearm		
	1		Nerves and vessels of the forearm. The radio-ulnar joints		
6	1		Clinical anatomy of fractures of radius & ulna		
	1		The wrist region and the Hand (muscles)		
	1		The Hand (blood vessels and nerves)		
7	1		MID-TERM EXAM		
8	1		Osteology of the lower limb		
	1		Superficial thigh structures & the femoral triangle. Applied anatomy		
	1		Femoral sheath, the anterior and adductor compartment. Adductor Canal		
9	1		Gluteal region; anatomy and its clinical correlate		
	1		The hip joint; anatomy and main clinical conditions related		
	1		Clinical anatomy of fractures of femur		

10	1		Popliteal fossa; anatomy and applied anatomy		
	1		The knee joint; anatomy and main clinical conditions related		
	1		Anterior & lateral crural compartments. The dorsum of the foot		
11	1		Posterior crural compartment		
	1		The sole of the foot		
	1		The ankle joint and joints of the foot		
12	1		Arches of the foot; anatomy and clinical significance		
	1		Posture and gait		
	1		Venous drainage of the lower limb & varicose veins		
13	1		Nerve injuries in the lower limb		
	2		Imaging and cross-sectional anatomy of the lower limb		
14	2		Applied anatomy of lower limb (cutaneous nerves and peripheral pulses)		

15	2		How to analyses clinical Scenarios based on anatomical knowledge. Examples and discussion		
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1	3		Radiographic anatomy (plane X Ray of upper limb bones) / fracture of clavicle	Virtual anatomy lab & skill lab	quizzes, final examination
2	3		Venipuncture technique / Abnormalities of Sensory Function		
3	3		Radical mastectomy		
4	3		Paralysis of serratus anterior (winging of scapula) / Fibromyalgia		
5	3		Painful arc syndrome and shoulder dislocation / rotator cuff injuries / adhesive capsulitis of shoulder joint		
6	3		Compression of axillary artery to control bleeding / enlargement of axillary LN		
7	3		Main injuries of brachial plexus		

8	3		Fracture of humerus / examining the brachial artery pulsation and its compression to control bleeding / bicipital reflex		
9	3		Radial nerve injury		
10	3		Supra-epicondylar fracture of humerus / tennis elbow / golfer elbow		
11	3		fracture of radius and ulna / Muscle Testing of Flexor Digitorum Superficialis and Flexor Digitorum Profundus / radial pulse examination		
12	3		Subluxation and Dislocation of Radial Head in children / ulnar and radial nerve injuries		
13	3		Scaphoid fracture / wrist ganglion / carpal tunnel syndrome		

14	3		Dupuytren Contracture of Palmar Fascia / median nerve injury / tenosynovitis / Palmar Wounds and Surgical Incisions		
15	3		radiographic anatomy (plane X Ray of lower limb bones) / fracture of femur		
16	3		Abnormalities of Sensory Function / Varicose Veins, Thrombosis, and Thrombophlebitis		
17	3		Femoral Hernia / Femoral Pulse and Cannulation of Femoral Artery / Regional Nerve Blocks of femoral nerve		
18	3		Injury to Superior Gluteal Nerve; Trendelenburg test / sciatic nerve block and injury / intra-gluteal injection		

19	3		Fractures of Femoral Neck / Surgical Hip Replacement / Dislocation of Hip Joint /coxa vara and valga		
20	3		Popliteal pulse and aneurysm / baker cyst		
21	3		Knee Joint Injuries / Arthroscopy of Knee Join / Knee Replacement		
22	3		Fracture of tibia and fibula / Injury to Common Fibular Nerve and Footdrop		
23	3		Injury to tibial nerve / Posterior Tibial Pulse examination / Inflammation and Rupture of Calcaneal Tendon / Calcaneal Bursitis		
24	3		Palpation of Dorsalis Pedis Pulse / Ankle Sprains / Pott Fracture–Dislocation of Ankle		
25	3		Plantar Fasciitis / Plantar Reflex / Sural Nerve Grafts		
26	3		Flat foot		

11. Course Evaluation:

A structured feedback process, usually via surveys, where students assess a course's teaching, content, and effectiveness to help in improvement of education quality

12. Learning and Teaching Resources:

Required textbooks (curricular books, if any)	Snell RS (2025): Clinical anatomy for medical students. 10 th Ed. Williams & Wilkins. Philadelphia
Main references (sources)	Moore KL & Dalley AF (2025): Clinically Oriented Anatomy. 13 th Ed. Lippincott Williams & Wilkins. Philadelphia
Recommended books and references (scientific journals, reports...)	Moffat DB (2020): Lecture notes on anatomy. Blackwell publications. Oxford
Electronic References, Websites	https://teachmeanatomy.info/ https://www.kenhub.com/

Course Description Form

1. Course Name:
Chemistry
2. Course Code:
CH001
3. Semester / Year:
1 st + 2 nd semester/ 2025-2026
4. Description Preparation Date:
September 9 2025
5. Available Attendance Forms:
Large Group Lectures + Labs
6. Number of Credit Hours (Total) / Number of Units (Total)
135 hours / 7 Units
7. Course administrator's name

Asst. Prof. Dr. Ahmed Naseer Kaftan
Asst. Lect. Thulfiqar kamil yousef

ahmedn.kaftan@uokufa.edu.iq
thualfaqqar.kamel@alkafeel.edu.iq

8. Course Objectives

Course Objectives

Upon successful completion of this course, students will be able to:

- Explain the basic principles of clinical chemistry and its role in healthcare.
- Correlate alterations in carbohydrate, lipid, and protein metabolism with various disease states.
- Interpret common clinical chemistry tests used to assess renal, liver, and electrolytes.
- Identify potential clinical significance of abnormal laboratory results in different disease contexts.
- Explain the role of enzymes in metabolism and discuss the consequences of enzyme deficiencies.
- Apply acquired knowledge to analyze case studies and clinical scenarios involving disorders related to the following areas.

9. Teaching and Learning Strategies

Strategy

This course will combine lectures, discussions, case studies, and laboratory exercises to provide students with a comprehensive understanding of clinical chemistry and its significance in the diagnosis and management of human diseases. Additionally, the course will incorporate laboratory sessions, allowing students to gain practical experience with basic biochemical techniques

10.Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
	4		Radioactivity, radiation dosages medical uses of radioactive Isotopes	Lectures	Daily quizzes (Formative and Summative Exams) Reports Midterm Exam
	4		Aqueous solutions, solubility concentrations of solutions. Electrolytes & nonelectrolytes		
	2		Osmosis & osmotic pressure		

	2		Gases & their medical relations and diffusion of respiratory gases.		Practical + Theoretical Final Exams
	4		Colloids and their properties emulsions, emulsifying agents, dialysis, Hemodialysis		
	5		Acid and Bases, pH buffer acid-base balance in blood		
	3		Reaction rate, activation energy chemical equilibrium		
	3		Organic Chemistry: Alkanes double & triple bonds, resonance. Alkenes: geometric isomers importance in living system and Aromatic compounds		
	4		Alcohols, Phenols and Thio		
	4		Aldehydes & Ketones		
	4		Carboxylic acids: Esters & thioesters.		
	4		Stereoisomers: Chiral compounds, optical activity diastereomers		
	2		Polymers		
	1		introduction: - Biochemistry and its Clinical importance		
	6		Carbohydrates *Definition. *Classifying carbohydrates: The three – Dimensional structure of Monosaccharide. *The cycle structure of Monosaccharide. Mutarotation. *Reactions of Monosaccharide. *Disaccharide. * Polysaccharide		

	6	Lipids * Definition. *Fatty acids *Waxes. *Triacylglycerol (Triglycerides) . *Phosphoglycerates. *Sphingolipids. *Biological membrane. *Soaps. *Terpenes. *Steroids. *Steroids hormones. * Prostaglandins		
	8	Proteins *Amino Acids. *Properties of α-Amino acids *Reactions of Amino acids. *Peptide bonds. *Primary structure of proteins *Secondary structure of proteins. *Tertiary structure of proteins *Quaternary structure of proteins. * Denaturation of proteins		
	6	Enzymes *Enzymes as catalysts. *Naming and classifying enzymes. *Enzyme cofactors. *How enzymes catalyze reactions. *Lysozyme. *Enzyme inhibition. *Control of enzyme activity *Poisons. *Chemical compounds that fight infections. * Diagnostic enzymology		

	3		Vitamins *a) Water soluble vitamins (folic acids, vit.c, vit. B1, vit. B2, B3, vit. B6, vit. B12. b) Fat soluble vitamins (vit. vit. D, vit. E, vit.K)		
	6		General laboratory apparatuses, safety procedure & first Aid	Lab sessions	
	6		Analysis of silver group		
	6		Acid-Base titration		
	6		The standardization of basic solutions		
	3		Equivalent mass of unknown acid.		
	3		pH & pH Meters Osmosis & dialysis Preparation of some colloids		
	3		Determination of an unknown chloride		
	6		Aspirin synthesis purification by crystallization		
	6		A test for functional groups		
	3		General urine examination		
	9		Carbohydrates: (Molisch, Benedict, Barfoed, Bial, Seliwanoff's Iodine Tests.)		
	6		Lipids: (Grease Stain Test, Reaction Test, Copper Acetate Test, Reaction of Soap, Cholesterol) Saponification Value of Fat.		
	9		Amino Acids & Proteins: (Ninhydrin, Xanthoprotic, Rosenheim, Millon's, Lead Sulfide, Nitroprusside, Sakaguchi & Biuret Tests.)		

	3		Paper Chromatography Amino Acids.		
	3		Spectrophotometry (Riboflavin).		
	3		Spectrophotometry (Albumin Biuret).		
	3		Enzymes: The Determination of The Progress Curve of Casein by Trypsin.		

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)	- Clinical Chemistry & Metabolic Medicine. Martin Crook - Clinical Biochemistry (Lecture Notes), Peter Rae
Main references (sources)	- Clinical Chemistry & Metabolic Medicine. Martin Crook - Clinical Biochemistry (Lecture Notes), Peter Rae
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:

English

2. Course Code:

ENG001

3. Semester / Year:

Second Semester 2025-2026

4. Description Preparation Date:

September 9 2025

5. Available Attendance Forms:

Lectures and practical lessons (speaking- listening)

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

1T+2P (2 Credits)

7. Course administrator's name

Name: Asst.Lect. Alaa Ghafar
Lect.Dr.Zakia Nasser

8. Course Objectives

Course Objectives	At the end of this course students shall be proficient in the following skills: ▪ Develop the ability to comprehend an English text properly. ▪ Understand the types of sentence patterns and structures. ▪ Learn essential doctor-patient communication skills. ▪ Widen the student's stock of medical and non-medical vocabs. ▪ Participate in academic and medical debates.
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9. Teaching and Learning Strategies

Strategy	This course shall provide students with the essential skills of reading, writing, listening, and speaking. Students shall be trained in the strategies of understanding written English with both medical and non-medical text. The course is anticipated to help establish a link between using the English language properly and internalizing the grammatical rules. The students are expected to understand and use axillary verbs, various tenses, asking short and gentle questions, and negatives shall be introduced throughout the course.
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10. Course Structure

Week	Hours	Unit or subject name	Learning method	Evaluation method
	2	Asking short and gentle questions.	Lectures	Daily quizzes (Formative and Summative Exams) Short oral tests Written tests
	2	Tenses in presenting complaints.		
	2	Describing Pain.		
	2	Signs and Symptoms in non-technical language.		
	2	Giving instructions and explaining procedures.		
	2	Questions and short answers. Disorders and treatment.		
	2	Making Polite requests.		
	2	Explaining procedures with the present and passive and going to Future.		
	2	Adjectives describing procedures.		
	2	Explaining complications and reassuring the patient.		
	2	Open and closed questions		
	2	Wishes and consequences in negotiations		
	2	How to use Reported Speech		

	2	Taking Patient History		
	2	Description of GP's Job		
	2	Social Factors in General Practice		
	2	Explaining Processes and Giving Instructions		
	2	Explaining Gastroscopy and other procedures		
	2	Discussing Complications and visual cues		
	2	Explaining medications		
	2	Reassuring an anxious patient, being sympathetic and showing support.		
	2	Appropriate responses.		
	2	Describing patients.		
	2	Breaking bad news – informing a relative about death.		
	2	A debate about donor cards.		
	2	Case Presentations		
	2	Revision		

Lab
session

11.Course Evaluation

Distributing the score out of 100 is done according to the tasks assigned to the student. Daily participation, daily reports and assignments, weekly assignments, term papers written exams, reports etc. The final mark is divided as follows:

- 5% for daily participation.
- 5% for delivering weekly written assignments.
- 5% for making a class presentation.
- 5% for 2 quizzes.
- 20% for term paper.

- 20% for written midterm exam.
- 40% for written final exam.

12.Learning and Teaching Resources

Required textbooks (curricular books, if any)	▪ Sam McCarter Medicine I, Oxford English for Careers. ▪ A Short Course in Medical Terminology. (Theoretical)
Main references (sources)	▪ Sam McCarter Medicine I, Oxford English for Careers.
Recommended books and references (scientific journals, reports...)	Oxford Handbook of Clinical Medicine 7 th edition, Longmore et al ISBN 978-019-856837-7
Electronic References, Websites	https://elt.oup.com/student/oefc

Course Description Form

1. Course Name:

Physiology I

2. Course Code:

PHY001

3. Semester / Year:

Semester Two/ 2025-2026

4. Description Preparation Date:

September 9 2025

5. Available Attendance Forms:

Lectures

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

4 hour per week/ 3 credit

7. Course administrator's name

Prof.Dr. Talib Hussain kamoona

Name: Asst. Lect. Qusay Mohsin Kadhim qusay.mohsin@alkafeel.edu.iq

8. Course Objectives**Course Objectives**

The course is designed to enable the student to:

1. **Remember** and define the structural components of the cell, the types of blood cells, and the primary compartments of body fluids.
2. **Understand** the mechanisms of homeostasis and how the nervous system integrates feedback loops to maintain internal stability.
3. **Apply** principles of osmosis and electrochemical gradients to explain the movement of ions and water across semi-permeable cell membranes.
4. **Analyze** the phases of action potentials and the physiological basis of resting membrane potentials in excitable tissues like neurons.

5. **Evaluate** the complex processes of hemostasis, immune responses, and inflammatory pathways to distinguish between normal and pathological states.
6. **Create** clinical correlations by linking electrolyte imbalances (Na⁺/K⁺) and blood abnormalities (anemia, polycythemia, or edema) to their underlying physiological causes.

9. Teaching and Learning Strategies

Strategy

First year medical school lays the foundation for your understanding of the human body, and cell physiology is a crucial part of that.

Active Learning Techniques:

- **Integrated Didactic Lectures:** Engage in lectures by actively synthesizing connections between cellular mechanisms and systemic functions, utilizing inquiry-based note-taking to highlight physiological interdependencies.
- **Clinical Correlation & Pathophysiological Analysis:** Analyze how specific cellular dysfunctions manifest as clinical disorders, bridging the gap between basic science theory and medical practice.
- **Collaborative Peer Learning:** Participate in structured group discussions and problem-solving activities to articulate complex concepts, resolve ambiguities, and reinforce knowledge through peer-to-peer teaching.
- **Case-Based Reasoning:** Evaluate hypothetical medical scenarios to apply theoretical knowledge of cell transport and hematology to diagnostic logic.
- **Self-Directed Formative Assessment:** Utilize active recall and practice examinations to monitor mastery of topics like membrane potentials and fluid homeostasis

10. Course Structure

Week	Hours	Required Learning	Unit or subject name	Learning	Evaluation
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		Outcomes		method	method
1	1 1 1		• Introduction to cell physiology. • Physiology of cell membrane. • Cell organelles 1.	lecture	Daily quizzes (Format e and Summat e Exams <

11. Course Evaluation

The grading is heavily weighted toward the final assessment, with the following breakdown:

Task Category	Description	Weight (Points)
Continuous Assessment	Daily prep, oral exams, monthly tests, reports, and quizzes.	10
Midterm Exam	Mid-semester evaluation.	20
Final Exam	Theoretical final examination	70
Total		100

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Guyton and Hall Textbook of Medical Physiology, 14th edition, 2024
Main references (sources)	1- Ganong's Review of Medical Physiology, 26th edition, 2019. 2- Lippincott Medical Physiology, 3rd Edition, 2024.
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:

ECPD 1	
2. Course Code:	
ECPD001	
3. Semester / Year:	
Annual program/ 2025-2026	
4. Description Preparation Date:	
September 9 2025	
5. Available Attendance Forms:	
Class + Skill Lab+ Hospital visits	
6. Number of Credit Hours (Total) / Number of Units (Total)	
60 theory lectures+ 60 Practical sessions = 3 Credit Points	
7. Course administrator's name	
Lect. Dr. Haider Abdul-Wahab Alhakim haidar.alhakim@alkafeel.edu.iq Yassin Fares Abd Ali Munthir Nazar Mujtaba Hassan Rajab	
8. Course Objectives	
Course Objectives	Early start, creates, develops, and improve the skills of medical college students from a clinical standpoint, as well as from a professional and personal standpoint, so that they become highly competent and able to perform the practical tasks they will face when they begin their work after graduating from college in the service of their patients and their community.

9. Teaching and Learning Strategies

Strategy	1. Theory lectures as LGT to cover the knowledge of the clinical aspect of medical management (diagnosis) and professionalism and medical ethics. 2. Training at the clinical skills lab. 3. 3 Field visits to the hospitals and PHC clinics.
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10. Course Structure

Evaluation method	Learning method	Unit or subject name	Hours	Week
Weekly formative assessments. Summertime assessments semester.	Discussion based learning. MCQs and SAQ class based interaction LGT. SGT	Introduction to ECPD	1	1
		Introduction to Professionalism	1	2
		Healthcare system in Iraq	1	3
		Healthcare system in Iraq 2	1	4
		Global Healthcare System 1	1	5
		Global Healthcare System 2	1	6
		How succeed in medical exams	1	7
		How succeed in medical exams 2	1	8
		Communication skills 1	1	9
		Communication skills 2	1	10
		Communication skills 3	1	11
		Ethics and professionalism 1	1	12
		Ethics and professionalism 2	1	13
		Ethics and professionalism 3	1	14
		Basic life support 1	1	15
		Basic life support 2	1	16
		Basic life support 3	1	17
		OSCE 1	1	18
		OSCE 2	1	19
		OSCE 3	1	20
		Teamwork in Healthcare	1	21
		Medical record keeping	1	22
	Quick review for theoretical part of procedure Then divided	Introduction to Vital Signs and importance in clinical practice	2	1
		Introduction to pulse examination	2	2
		Parameter of pulse examination	2	3

the groups into subgroups and Hands-on experience with Clinical assessment by assessor	Clinical application of pulse examination	2	4
	Introduction to Blood pressure Measurements	2	5
	Clinical application of Blood pressure Measurement	2	6
	Multiple case presentation of blood pressure measurement	2	7
	Paper Challenge Session 1	1	8
	Oxygen saturation and respiratory rate measurement	2	9
	Paper Challenge Session 2	1	10
	Temperature Measurement	2	11
	Personal protective Equipment (PPE)	2	12
	Paper Challenge Session 3	1	13
	JACCOL in Clinical Practice	2	14
11.Course Evaluation			
The final exam (70 marks) / Mid-year exam (15 marks) / Practical sessions (OSCE) – 15 marks			
12.Learning and Teaching Resources			
Required textbooks (curricular books, if any)	References and reading materials are quoted at the end of each lecture given		
Main references (sources)	Essentials of General Surgery Nursing Care Guides Osmosis from Elsevier		
Recommended books and references (scientific journals, reports...)			
Electronic References, Websites			

Course Description Form

1. Course Name:
Medical Terminology
2. Course Code:
TER001
3. Semester / Year:
First Semester 2025-2026
4. Description Preparation Date:
September 9 2025

5. Available Attendance Forms:

Lectures

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

(2 Credits)

7. Course administrator's name

Name: Lect. Dr Firas Al-Masoody

8. Course Objectives

Course Objectives

Upon successful completion of this course, students will be able to:

1. Define the components of medical terms: prefixes, roots, and suffixes.
2. Combine word parts to form and interpret medical terms.
3. Correctly pronounce and spell common medical terms.
4. Identify the major structures and functions of the human body systems.
5. Apply anatomical terminology to describe body cavities, regions, planes, and positions.
6. Relate medical terms to common pathological conditions, diagnostic procedures, and treatments.

9. Teaching and Learning Strategies

Strategy

This course provides a systematic study of the language of medicine. Students will learn to interpret, pronounce and understand medical terms using a combination of prefixes, suffixes, and root words. The curriculum integrates anatomical and physiological concepts, body organization, and essential clinical terminology to prepare students for their future medical studies and clinical practice.

10. Course Structure

Week	Hours	Unit or subject name	Learning method	Evaluation method
	1	Introduction to Medical Terminology/ Prefixes, Roots, Suffixes	Lectures	Daily Quizzes (Formative and Summative Exams)
	1	Common Prefixes		
	1	Common Suffixes		
	1	Common Roots		
	1	Levels of Organization & Body Systems		Exercises and HW
	1	Body Cavities, Planes, and Divisions		
	1	Abdominal Regions and Clinical Correlation		
	1	Advanced Anatomical Roots (Part 2)		
	1	Anatomical Position and Directional Terms		

	1	Terms of Movement		Written tests
11.Course Evaluation				
• Quizzes/ and class participation- 10% • Midterm Examination- 20% • Final Examination- 70%				
12.Learning and Teaching Resources				
Required textbooks (curricular books, if any)		Primary resource: Lecture notes and slides (provided for the students)		
Main references (sources)		Medical Terminology: A Short Course" by Davi-Ellen Chabner		
Recommended books and references (scientific journals, reports...)		Medical Terminology: A Short Course by Davi-Ellen Chabner Medical Terminology for Dummies® by Beverley Henderson CMT, Jennifer Dorsey		
Electronic References, Websites		NA		

Course Description Form

1. Course Name:
Arabic language
2. Course Code:
AR001
3. Semester / Year:
First and Second Semesters 2025-2026
4. Description Preparation Date:
September 9 2025
5. Available Attendance Forms:

Lectures

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

1T (2 Credits)

7. Course administrator's name

Lect.Dr Yassen khudhair obees

Asst.Lect. Hiba Abdul Jaleel

8. Course Objectives

Course Objectives	أهداف خاصة لمقرر اللغة العربية لطلاب كلية الطب يتطلب مراعاة احتياجات الطلبة المهنية والأكاديمية، خصوصاً في سياق الطب والعلوم الصحية. معظم المقررات التقليدية للغة العربية (نحو، صرف، بلاغة، قراءة، كتابة) تركز على المهارات اللغوية العامة والإلمام بالثقافة العربية، لكن في حالة الطلبة الطبيين يجب أن تكون الأهداف وظيفية وتخدم قدرتهم على التواصل العلمي والسريري. 1- التمكن من اللغة العربية الفصحى بمستوى متقدم 2- تطبيق اللغة في السياق الطبي 3- التواصل مع المرضى والمجتمع 4- القدرة على الإنتاج العلمي والبحث باللغة العربية 5- تقدير الثقافة والهوية اللغوية
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9. Teaching and Learning Strategies

Strategy	التعلم الفعال في اللغة العربية لا يقتصر على الحفظ أو التلقي السطحي للمحتوى، بل يعتمد على نهج استراتيجي منظم يجمع بين المهارات اللغوية الأساسية والتطبيق الوظيفي في السياقات العلمية والطبية. هذا النهج يجمع بين التعلم النشط، التطبيق العملي، والتغذية الراجعة المستمرة لرفع قدرة الطالب على استخدام اللغة بثقة ودقة.
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10. Course Structure

Week	Hours	Unit or subject name	Learning method	Evaluation method
	2	من سورة البقرة الآيات من (260-263)	محاضرات	
	2	الحديث النبوي (انما بعثت لأتمم مكارم الأخلاق)		
	2	الاختيارات الشعرية في العصر الجاهلي قصيدة عنتر بن شداد: يا عبل أين من المنية		

		مهربي إن كان ربي في السماء قضاها		
	2	الميزان الصرفي والجموع في العربية		
	2	اسناد الفعل الى الضمائر		
	2	تصريف الأفعال من حيث الصحة والاعتلال والتجرد والزيادة والمشتقات		
	2	الحروف الهجائية (الشمسية والقمرية)		
	2	احكام كتابة علامات الترقيم		
	2			
	2	احكام كتابة الهمزة		
	2	المعاجم العربية		
	2	من الأخطاء اللغوية الشائعة		
	2	من سورة الحج (1-5)		
	2	من الحديث النبوي (خيركم من تعلم القرآن وعلمه)		
	2	سبعة أبيات من بائية ابن الرومي		
	2	القيم الإنسانية في الشعر الجاهلي		
	2	الإسلام والشعر		
	2	اقسام الكلام وعلامات اعرابها		
	2	المعرب والمبني / المعرفة والنكرة		
	2	المبتدأ والخبر		
	2	النواسخ		
	2	الفاعل والنائب عنه		
	2	البلاغة العربية		

اختبارات
يومية وأسئلة
شفوية
واختبارات
نهائية

11.Course Evaluation

يتم توزيع الدرجات من 100 وفقاً للمهام الموكلة للطالب، مثل التحضير اليومي، والاختبارات الشفوية اليومية، والاختبارات الشهرية أو الكتابية، والتقارير، إلخ.

المشاركة اليومية والاختبارات الشفوية اليومية: 5%؛

الاختبارات القصيرة: 5%؛

الاختبار النصفي الكتابي: 20%؛

الاختبار النهائي الكتابي: 70%

12.Learning and Teaching Resources

Required textbooks (curricular books, if any)	المحاضرات المقدمة للطلاب
Main references (sources)	القرآن الكريم، وشرح ابن عقيل، ومعجم العين، والبيان والتبيين
Recommended books and references (scientific journals, reports...)	المجلات الإنسانية: مجلة العميد، ومجلة تسليم، وغيرها
Electronic References, Websites	

Course Description Form

1. Course Name:	
Human Rights and Democracy	
2. Course Code:	
HUM001	
3. Semester / Year:	
1st Semester / 2025-2026	
4. Description Preparation Date:	
September 9 2025	
5. Available Attendance Forms:	
Class	
6. Number of Credit Hours (Total) / Number of Units (Total)	
30 Hours	
7. Course administrator's name	
Asst. Lect. Ali Akbar Khalid Ghalib ali.akbar@alkafeel.edu.iq	
8. Course Objectives	
Course Objectives	The course aims to introduce students to the status of human rights in ancient civilizations and divine religions
9. Teaching and Learning Strategies	

Strategy		The primary strategy is based on formal lectures			
Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	1		Concept of Human Rights	Lecture	Daily quizzes (Formative and Summative Exams) Midterm examination Theoretical final examination
2	1		Human Rights in Mesopotamia Civilization	Lecture	
3	1		Code of Hammurabi	Lecture	
4	1		Human Rights in Islam	Lecture	
5	1		French Declaration of the Rights of Man and of the Citizen	Lecture	
6	1		International Bill of Human Rights	Lecture	
7	1		Universal Declaration of Human Rights	Lecture	
8	1		Concept of Freedom	Lecture	
9	1		Types of Freedoms in the Iraqi Constitution	Lecture	
10	1		Essential Guarantees for Public Freedoms	Lecture	
11	1		Traditional Public Rights and Freedoms	Lecture	
12	1		Personal Rights and Freedoms	Lecture	
13			Intellectual Rights and Freedoms	Lecture	
14	1		Legal Means for	Lecture	

			Protecting Human Rights		
15	1		Judicial means to protect human rights	Lecture	

10. Course Evaluation

Distribution of 100 marks based on tasks such as daily preparation, quizzes, oral exams, monthly exams, written exams, and reports

11. Learning and Teaching Resources

Required textbooks	Human Rights by Dr. Hameed Hanoun Khalid
Main references (sources)	(1) Human Rights by Dr. Riyadh Aziz Hadi (2) Constitutional Protection of Rights and Freedoms by Dr. Ahmed Fathi Sorour (3) Pillars of Governance in Islamic Sharia and Contemporary Constitutional Systems by Dr. Ismail Ibrahim Badawi
Recommended books and references (scientific journals, reports...)	(1) Human Rights Between Sharia and Positive Laws / Dr. Ali Yousef Al-Shukri (2) Lectures on Democracy / Dr. Faisal Shantawi (3) Lectures on Freedom and Democracy / Dr. Walaa Mahdi Al-Jubouri
Electronic References, Websites	(1) What are human rights? .. https://www.ohchr.org/ (2) Human rights: their concept and types https://www.annajah.net/ (3) What are human rights? .. https://www.unicef.org/