جامعة الكفيل
University of Alkafeel

College of Medicine

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 2023-2024

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 second version, includes a description of the academic program after updating the subjects and paragraphs of the previous guide in light of the updates and developments of the educational system in Iraq, which included the description of the academic program in its traditional form (Semester based/Annual), as well as the adoption of the academic program description circulated according to the letter of the Ministry of Higher Education and Scientific Research/ Department of Studies T 3/2906 on 3/5/2023

In this regard, we can only emphasize the importance of writing academic programs and course descriptions 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 (annual) whether it is a requirement (ministry, university, college and scientific department) with the number of credit hours.

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

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

Academic Program Description Form

University Name:	**University of Alkafeel**
Faculty/Institute:	**College of Medicine**
Year moderator:	**Ali Najeh Ali**
Academic or Professional Program Name:	**Year one/ M.B.Ch.B**
Final Certificate Name:	**M.B.Ch.B**
Academic System:	**Courses/semesters**
Description Preparation Date:	**2023-2024**
File Completion Date:	**October/2023**

Signature:
Year One moderator
Ass.Prof.Dr. Ali Najeh Ali
Date:

Signature:
Assistant Dean for Scientific Affairs
Fatima Kareem Khalaf
Date:

:

The file is checked by:
Department of Quality Assurance and University Performance
Director of the Quality Assurance and University Performance Department:

Date:
Signature:

Approval of the Dean

1. Program Vision

World-class medical school 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 graduate 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 college currently has only two stages (1 and 2), waiting for graduation then apply for accreditation.

5. Other external influences

Is there a sponsor for the program?
Ministry of Higher Education and Scientific research- Private Education Department
Higher Education Authority- Attabah Abbasia

6. **Program Structure**				
Program Structure	**Number of Courses**	**Credit hours**	**Percentage**	**Reviews***
Institution Requirements	**2**	**22**		**Guidance (Optional)**
College Requirements	**1**	**3**		**ECPD (Basic)**
Department Requirements	**--**	**--**	**--**	
Summer Training	**yes**	**--**	**--**	
Other				

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

7. Program Description				
Year/Level	**Course Code**	**Course Name**	**Credit Hours/week/semester**	
			theoretical	**practical**
Year one/Semester one and two	**PHC001**	**Physics**	**2**	**2**
	PC001	**Computer**	**1**	**2**
	ENG001	**English**	**1**	**2**
	AR001	**Arabic language**	**1**	**-**
	PHY001	**Physiology**	**1**	**-**
	AN001	**Anatomy**	**2**	**4**
	BIO001	**Biology**	**3**	**4**
	CH001	**Chemistry**	**3**	**4**
	HR001	**Human rights**	**1**	**-**
	ECPD001	**ECPD**	**1**	**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, early hospital and primary health care exposure ,student selected components and skill lab.
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 learning activity (ILA) 5. Brainstorming 6. Small group teaching 7. Flipped classroom. 8. Seminar 9. Clinical visit 10. Students selected component. 11. English language lab

10. Evaluation methods

1. Homework and individual and group reports
2. Frequent quizzes, formative exams
3. Student Selective Component (SSC)
4. Single or twice summative exam per semester
5. Practical skills assessment
6. Mystery exam for clinical skill
7. Midterm exam
8. Final semester exam

11.Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
A.P.Dr. Samer Makki Mohammed		✓			✓	
A.P.Dr. Ali Najih Ali		✓			✓	
L. Dr. Fatima Kareem Khalaf		✓			✓	
L. Dr Hayder Sahib Mahdi		✓			✓	
L. Dr Firas Fadhil Mohamed		✓			✓	
A.L. Qusay Mohsin Kadhim		✓			✓	
L. Dr. Farah Abdulhussein Kadhim		✓			✓	
A.P. Rajaa Rashid Abbas		✓				✓
A.P. Ahmed Naseer		✓				✓
L. Hayder Majid Ali		✓				✓

A.L. Zahraa M. Mashkor		✓			✓	
A.P. Ali J. Ramadhan		✓			✓	
A.L. Alia A. Hussein		✓			✓	
Prof. Ahmed Shakir		✓			✓	
A.L. Yasin Khudhair		✓			✓	
A.L. Sorror M. Hadi		✓			✓	
A.L Huda Falah Judi		✓			✓	
A.L. Ameer kadhim		✓			✓	
L. Dr Qasim M. Obaid		✓			✓	

Professional Development
Monitoring new faculty members
New teachers are subjected 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. Enrolled in essential and advance in medical education courses
Professional development of faculty members
Follow up on teaching methods for all teachers by the Office of the Associate Dean, 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.
4. Billboards installed in the college corridors.

14.Program Development Plan

1)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.

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
Year One Semester one and two	BIO001	Biology	Basic	/	/	/		/	/	/		/	/	/	
	AN001	Anatomy	Basic	/	/	/		/	/	/		/	/	/	
	CH001	Chemistry	Basic	/	/	/		/	/	/		/	/	/	
	PHC001	Physic	Basic		/				/					/	
	PHY001	Physiology	Basic	/	/	/		/	/	/		/	/	/	
	PC001	Computer	Basic			/				/					/
	ENG001	English language	Basic				/				/				/
	AR001	Arabic Language	Basic				/				/				/
	HR001	Human Rights	Basic				/				/				/
	ECPD001	ECPD1	Basic		/	/			/	/			/	/	

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

Course Description Form

1. Course Name:
Biology
2. Course Code:
BIO001
3. Semester / Year:
1st + 2nd Semester / 2023-2024
4. Description Preparation Date:
October 09, 2023
5. Available Attendance Forms:
lectures + Lab.
6. Number of Credit Hours (Total) / Number of Units (Total)
75 theoretical-60 Practical/ 7 Credits
7. Course administrator's name (mention all, if more than one name)
Name: Firas Fadhil Al-Masoody Email: Firas.almasoody@alkafeel.edu.iq
8. Course Objectives

Course Objectives	1. Providing students with the scientific basics necessary to understand the human body, including its structure and functions. 2. Understand the structure and functions of cells, organs, and systems in the human body. 3. Providing students with the necessary skills to understand medical and applied research. 4. Understand how diseases and disorders occur. 5. Providing students with the opportunity to apply the theoretical knowledge acquired in lectures.

9. Teaching and Learning Strategies

Strategy	• Study usually includes a combination of theoretical lectures and practical experiments in a medical biology laboratory. • The laboratory provides students with the opportunity to apply wl they have learned in theoretical lectures and develop critical thinki and problem-solving skills.

10. Course Structure					
Week	**Hours**	**Required Learning Outcomes**	**Unit or subject name**	**Learning method**	**Evaluation method**
1	2		Introduction to biosafety	Lecture	Formative Quizzess Summative quiz, Midterm Exam, Practical exam Final course Exams
2	2		Biosafety level and biological agents	=	
3	2		Biorisk, Biohazard and management system	=	
4	2		Types of biological wastes	=	
5	2		Definitions in cell biology	=	
6	4		Medical Terminology	=	
7	2		Level of organization Body systems.	=	
8	2		Cell organelles.	=	
9	2		Stem Cells.	=	
10			Midterm	=	
11	2		Chromosomes and genes	=	
12	2		chromosomal abnormalities.	=	
13	2		Cell cycle	=	
14	2		Mitosis	=	
15	2		Meiosis	=	
16	2		Plasma membrane	=	
17	2		Exocytosis & endocytosis	=	
18	2		Cytoskeleton	=	
19	2		Cell junctions	=	
20	2		Endomembrane system	=	

21	2		Pattern of genetic inheritance	=	
22	2		Mitochondria (structure and function)	=	
23	2		The nucleus (structurer and function)	=	
24	2		Nucleolus and chromatin	=	
25	2		The cytoplasm	=	
26	2		DNA replication	=	
27	2		DNA damage and Repair	=	
28	2		Body cavities and abdomino- pelvic regions	=	
29	2		Cytoplasm	=	
30	2		Cancer	=	
30	2		Cell cycle regulation	=	

11.Course Evaluation

For each semester: Evaluation semester 100%
10 % Grades quizzes and practical exam,
20 % Grades theoretical mid-semester,
70% Grades final semester (Final practical 20 grades+ and Final theoretical 50 grades)

12.Learning and Teaching Resources

Required textbooks (curricular books, if any	[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, Bru Albert,6th Edition (2017)
Main references (sources)	Same as above
Recommended books and references (scientific journals, reports...)	Additional resources are provided in ea lecture separately if required
Electronic References, Websites	

Course Description Form

1. Course Name:

Computer

2. Course Code:

PC001

3. Semester / Year:

1st + 2nd Semester / 2023-2024

4. Description Preparation Date:

October 09, 2023

5. Available Attendance Forms:

Lectures + Lab

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

30T + 60P / 4 Credits

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

Name: Ali J. Ramadhan
Email: ali.j.r@alkafeel.edu.iq

Alia A. Hussein
aliaaa.hussein@alkafeel.edu.iq

8. Course Objectives

Course Objectives	To make the student able to use a computer and essential computer-based programs, including the writing of algorithms, using internet resources, a writing up skills of report/research.

9. Teaching and Learning Strategies

Strategy	Focus on practical training using the computer laboratory to simulate t 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	Learn about computer scienc	Computer Syst Information	Lab training	Exam
4-8	5	Getting to know the compu system			
9-15	7	Learn about the Internet	Microsoft Windov	Lab training	Skills
16-3	15	Getting to know off applications			

			Internet, Inter Explorer, email MS Word, Exc PowerPoint	Lab training Lab trainin	Practical Lab

11.Course Evaluation
For each semester: Evaluation semester 100% 10 % Grades quizzes exam, 20 % Grades theoretical mid-semester, 70% Grades final semester (Final practical 20 grades+ and Final theoretical 50 grades)

12.Learning and Teaching Resources	
Required textbooks (curricular books, if an	Mukesh Sharma, "Basic Compu Course", Abhishek Publications
Main references (sources)	Connie Morrison & Et Al., "Compu 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 / 2023-2024

4. Description Preparation Date:

09.10.2023

5. Available Attendance Forms:

Lectures and labs

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

60T + 60 P (6 credits)

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

Name: Rajaa Rashid Abbas Zahraa Mohammed Mashkor
Email: Rajaa.alsaffar@uokufa.edu.iq Zahraa.mashkor@alkafeel.edu.iq

8. Course Objectives

Course Objectives	1. Training the student to develop the necessary comprehens academic framework in the subject of 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 relationsl between physics theories and their applications in medicine. 4. Developing deductive ability and linking practical a theoretical physics and their applications in the medical field. 5. Preparing the student for higher level courses in the medical fi

9. Teaching and Learning Strategies

Strategy	Understanding the theoretical basics through the lecture using display screen and video clips, and completing the performance a practical skills by conducting experiments in the scientific laborato

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Forces on & in body	Static forces & Dynamic forces	Lectures	Quizes Reprots Midterm Exams Final Exams
2	2	Physics of the skeleton	Bones	=	
3	2	Physics of the skeleton	Stress-strain curve	=	
4	2	Physics of the skeleton	Bone, joints	=	

5	2	Heat and cold in medicine	Temperature scales, thermography	=	
6	2	Heat and cold in medicine	Heat therapy	=	
7	2	Heat and cold in medicine	Cold in medicine, cryosurgery Biological effects	=	
8	2	Energy work and power o rue body	Energy changes in the body	=	
9	2	Energy work and power o rue body	Heat lost methods	=	
10	2	Physics of cardiovascular system	Blood pressure and its measurement	=	
11	2	Physics of cardiovascular system	Laplace wall & Bernoulli's principle	=	
12	2	Physics of cardiovascular system	Physics of some cardiovascular diseases	=	
13	2	Pressure	absolute pressure, gauge pressure, units of pressure	=	
14	2	Physics of the lungs and breathing	Function of the breathing system, The airways, Gases exchange in the lungs	=	
15	2	Physics of the lungs and breathing	Measurement of lung volumes (spirometer)	=	
16	2	Electricity within the body	Electrical potential of nerves, ECG & EMG	=	
17	2	Electricity within the body	Applications of electricity	=	
18	2	Sound in medicine	Properties of sound	=	
19	2	Sound in medicine	Ultrasound, Physiology effects or ultrasound in therapy	=	
20	2	physics of the ear and hearing	Structure of the ear (outer, middle and inner ear).	=	
21	2	Light in medicine	Properties of light and its applications	=	
22	2	Physics of eyes and vision	Focusing elements of the eye, Defective vision and its correction	=	

23	2	Physics of diagnostic x-ra	Properties of x-rays	=	
24	2	Physics of diagnostic x-ra	X-ray image units,	=	
25	2	Physics of nuclear medici	Basic instrumentation and its medical	=	
26	2	Physics of nuclear medici	Radioactivity decay, half-life, units	=	
27	2	Physics of nuclear medici	Therapy with radioactivity	=	
28	2	Physics of radiation therap	Radiation doses	=	
29	2	Physics of radiation therap	Principle of radiation therapy	=	
30	2	Pollution	Biological effects of pollution	=	

11.Course Evaluation

For each semester: Evaluation semester 100%
10 % Grades quizzes and practical exam exam,
20 % Grades theoretical mid-semester,
70% Grades final semester (Final practical 20 grades+ and Final theoretical 50 grades)

12.Learning and Teaching Resources

Required textbooks (curricular books, if any	Medical physics / John R. Cameron a James G. Skofronick / 1978
Main references (sources)	College Physics / OpenStax College Rice University / 2013
Recommended books and references (scientific journals, reports...)	Chrestens' physics of diagnostic radiolog
Electronic References, Websites	

Course Description Form

1. Course Name:
Anatomy
2. Course Code:
AN001
3. Semester / Year:
1st and 2nd / 2023–2024
4. Description Preparation Date:
11.10.2023
5. Available Attendance Forms:
Lectures and Practical labs
6. Number of Credit Hours (Total) / Number of Units (Total)
120 hours (60T+60P)/ 6 credits
7. Course administrator's name (mention all, if more than one name)
Name: Hayder Majid Ali Email: hayder.majid@jmu.edu.iq
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 limb **4)** Emphasize the clinical significance of upper limb structures and relations facilitating the understanding of a disease process on anatomical grounds. **5)** Provide surface markings of upper limb 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	The course involves a regional study of the upper and lower limbs and thoracic wall with an emphasis on the (skeletal, muscular, nervous & vascular structures) that is a foundation & the building block for all areas of health sciences in the future subsequent courses like medicine, surgery& radiology.

10. Course Structure					
Week	**Hours**	**Required Learning Outcomes**	**Unit or subject name**	**Learning method**	**Evaluation method**
1	2		Introduction, Terminolog Anatomical positions	Lecture	Quizzes Reports Practical exams Midterm Exams Final Exams
2	2		Skin, fasciae, bones, muscl joints, vascular system.	=	
3	2		Surface anatomy of upper limb	=	
4	2		Osteology of the upper limb	=	
5	2		Shoulder region	=	
6	2		Pectoral region	=	
7	2		Scapular region	=	
8	2		Axilla	=	
9	2		Brachial plexus	=	
10	2		The arm	=	
11	2		The forearm (flex compartment)	=	
12	2		The forearm (extens compartment)	=	
13	2		Joints of the upper limbs	=	
14	2		The hand (muscles & joints)	=	
15	2		The hand (blood and ner supply)	=	
16	2		The osteology of the lower limb	=	
17	2		Front of the thigh	=	
18	2		Femoral triangle and femor sheath	=	
19	2		Anterior compartment of t thigh	=	
20	2		The adductor compartments the thigh	=	
21	2		The gluteal region	=	
22	2		Posterior compartment of t thigh and the popliteal fossa	=	
23	2		Posterior aspect of the leg	=	
24	2		Anterior aspect of the leg	=	
25	2		Joints of the lower limb	=	
26	2		The Foot (layers of the muscl joints)	=	
27	2		The Foot (blood vessels nerves)	=	
28	2		Thoracic cage :osteology of rib sternum & thoracic vertebrae	=	

29	2		Anatomy of the intercostal spac	=	
30	2		The diaphragm	=	

11. Course Evaluation

For each semester: Evaluation semester 100%
10 % Grades quizzes exam,
20 % Grades theoretical mid-semester,
70% Grades final semester (Final practical 20 grades+ and Final theoretical 50 grades)

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	• Snell RS: Clinical anatomy for medical students. Williams and Wilkins. Philadelphia. • Moore KL and Dalley AF : Clinically oriented anatomy. Williams and Wilkins. Philadelphia. • Moffat DB : Lecture note on anatomy. Blackwell publications. Oxford. • Netter's Atlas of anatomy.
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

1. Course Name:	
Clinical chemistry	
2. Course Code:	
CH001	
3. Semester / Year:	
1st and 2nd semester/ 2023-2024	
4. Description Preparation Date:	
October 2023	
5. Available Attendance Forms:	
Lectures and lab.	
6. Number of Credit Hours (Total) / Number of Units (Total)	
75 hours T/ 60 P (7 Units)	
7. Course administrator's name (mention all, if more than one name)	
Name: Hasanat Abdulrazzaq Ahmed Naseer Kaftan Huda Falah Judi Email: hasanata.baqir@uokufa.edu.iq ahmedn.kaftan@uokufa.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 clini scenarios involving disorders related to the focus 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
1	2		Organic chemistry a macromolecules	lecture	Quizzes , m and final exa MCQ and sh answer questions
2	2		Carbohydrates	=	
3	2		Protein	=	
4	2		Lipids	=	
5	2		Vitamins 1	=	
6	2		Vitamins 2	=	
7	2		Enzymes	=	

11.Course Evaluation

Quizzes , mid and final exam, MCQ and short answer questions

12.Learning and Teaching Resources

Required textbooks (curricular books, if any	Lippincott's Illustrated Reviews Biochemistry Textbook of Medical Biochemistry. M.D. Chatterjea, M. N
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:

Arabic Language

2. Course Code:

AR001

3. Semester / Year:

1st and 2nd 2023-2024

4. Description Preparation Date:

October 2023

5. Available Attendance Forms:

Lectures

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

22 Hours (1 credit)

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

Name: م.م ياسين خضير عبيس محسن
Email: yassin.aljanabe@alkafeel.edu.iq

8. Course Objectives

Course Objectives	• **تعريف الطالب بألفاظ اللّغة العربيّة الصحيحة وتراكيبها وأساليبها السليمة بطريقة مشوقة وجذابة.** • **تعويد الطالب التعبيرات السليمة الواضحة عن أفكاره وما يقع تحت حواسه نطقاً وكتابة وحسن استخدام علامات الترقيم.** • **إيقاظ وعي الطالب لإدراك شرف الكلمة وتوجيهه؛ للمحافظة على طهارتها ونقائها حتى لا تستعمل إلا في الخير.** • **تنمية الاتجاهات والقيم الإيجابية لدى الطلاب نحو لغتهم العربية المرتبطة بالدين والتراث العربي.**

9. Teaching and Learning Strategies

Strategy	يتم استعمال استراتيجيات متنوعة من أهمها: - تعليم الطلاب المفردات الاصطلاحية الخاصة بهم وتكوين الأفكار عنها - التوجيه المباشر وتركز على الأسئلة المتكررة والممارسة الموجهة لمساعدة الطلاب على تعلم موضوع ما. - ما وراء المعرفة: وهي تعني بشكل أساسي قدرة الطلاب على مراقبة تعلمهم وتوجيهه.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
10 weeks	22 hours	من مخرجات التعلم المطلوبة: يكون لديه المعرفة: أن معرفة واسعة ومتكاملة	الضمائر، إن واخوا التوكيد، رسم الهم الفاعل، الاستثناء، أدوات الشرط	تعليم الطلاب المفردات الاصطلاحية الخاصة بهم	الامتحانات اليومية والفصلية

	وتكوين الأفكار عنها التوجيه المباشر وتركز على الأسئلة المتكررة والممارسة الموجهة لمساعدة الطلاب على تعلم موضوع ما.		عن موضوع الدراسة وبشكا منظم - يستطيع أن يقوم المعلومات فضلا عن استقصائها		

11.Course Evaluation	
توزيع الدرجة من 100 على وفق المهام المكلف بها الطالب مثل التحضير اليومي والامتحانات اليومية والشفوية والشهرية والتحريرية والتقارير .... الخ	
12.Learning and Teaching Resources	
Required textbooks (curricular books, any)	محاضرات مختارة
Main references (sources)	النحو الوافي، الأسس النظرية للنحو العربي
Recommended books and references (scientific journals, reports...)	تقارير عامة
Electronic References, Websites	

Course Description Form

1. Course Name:
English for medical students
2. Course Code:
ENG001
3. Semester / Year:
First and Second Semesters 2023-2024
4. Description Preparation Date:
October 2023
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 (mention all, if more than one name)
Name: Professor Dr. Ahmed Shakir AlKilabi Email: ahmed.alkilabi@alkafeel.edu.iq
8. Course Objectives

Course Objectives	At the end of this course students shall be proficient in the following skills: •Reading an English text properly. •Understanding the text correctly. •Using questions and negatives Learning new words Essential doctor-patient communication skills.
9. Teaching and Learning Strategies	
Strategy	This course shall provide students with the essential skills of reading, writi listening, and speaking. Students shall be trained in the strategies of understandi the English written Medical text and the concept of comprehension throu reading. The course is anticipated to help establish a link between using t English language properly and internalizing the grammatical rules. Concepts su as axillary verbs, tenses, modal verbs, asking short and gentle questions, a negatives shall be introduced throughout the course.

10. Course Structure					
Week	**Hours**	**Required Learning Outcomes**	**Unit or subject name**	**Learning method**	**Evaluation method**
1-3 4-6 7-9 10-11 12-14	1 1 1 1 1 1 1 1 1	Know how present complaint properly.	Presenting complaints Understanding cultures Interpreting body language Working in general practice Description of a GP's job A case history Instructions and procedures Explaining and reassuring Dealing with medications Lifestyle		Quizzes Short oral tes Written tests

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 Daily participation and Daily oral: 5%; Quizzes: 5%; Written Midterm 20%; Written Final Exam 70%

12.Learning and Teaching Resources	
Required textboo (curricular books, any)	Sam McCarter Medicine I, Oxford English for Careers.
Main referen (sources)	Sam McCarter Medicine II, Oxford English for Careers.
Recommended books and references (scientific journals, reports...)	Oxford Handbook of Clinical Medicine 7th edition, Longmore et al. ISI 978-019-856837-7
Electronic References, Websit	https://elt.oup.com/student/oefc

Course Description Form

1. Course Name:
Physiology I
2. Course Code:
PHY001
3. Semester / Year:
Semester Two/ Year :2023-2024
4. Description Preparation Date:
17/03/2024
5. Available Attendance Forms:
Lectures and practical labs
6. Number of Credit Hours (Total) / Number of Units (Total)
30 Hours theory/ 2 credit
7. Course administrator's name (mention all, if more than one name)
Name: Samer Makki Mohamed Ali Najih Ali QUSAY MOHSIN KADHIM / Farah Abdulhussein Email: qusay.mohsin@alkafeel.edu.iq /
8. Course Objectives

Course Objectives	The course is designed to enable the student to: **1**. Introduce students to electrical and magnetic effects generated inside the body, and applications of electricity and magnetism to the surface of the body. **2**. Study Physics of the ear and hearing and the Generation Ultra Sound, Mechanism of ultrasound imaging, Types of ultrasound mode and applications, Doppler technique. **3**. Characteristics, Measurement of light, and Application of visible light in medicine to study the Physics of Eyes and Vision. 4. Discusses the physical principles involved in the diagnostic use of X-rays in medicine and the therapeutic uses of X-rays. **5**. To provide students with a solid foundation in the principles and practices of nuclear medicine, and to equip them with the knowledge and skills necessary to safely and effectively use radionuclides in a clinical setting.
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**:

	• Lectures with Integration: Don't just listen passively. Look for connections between concepts, ask questions, and take detailed notes that highlight these connections. • Discuss how cellular malfunctions contribute to diseases. This will solidify understanding and make the material more relevant. • Group Discussions and Activities: Work with peers to explain concepts, debate ideas, and answer practice questions. This collaborative learning helps solidify understanding and identify areas needing clarification.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 2 3 +4 5 6 7 8 9 10 11 12 13 14	1 1 2 1 1 1 1 1 1 1 1 1 1		Cell Physiology 1. Introduction to cell physiology. 2. Physiology of cell membrane. 3. Cell organelles (2 lectures). 4. Transport across cell membrane. 5. Nervous System and Homeostasis. 6. Neurons and Neuralgia cells. 7. Electrical signals in Neurons (Ion Channels). 8. Resting membrane potential. 9. Introduction to body fluid. 10. Basic principle of osmosis. 11.Na+ balance. 12.K+ balance. 13.Water balance.	Lectures	Quizzes Lab reports Mid Exams Final exams

15	1 1 1 2 1 2 2 2 1 1 2		14.Edema. Blood Physiology 1. Introduction 2. Red blood cells 3. Anemia 4. Polycythemia 5. White blood cells 6. Inflammation 7. Immunity 8. Tolerance 9. Blood groups 10.Hemostasis		

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)	Guyton and Hall Textbook of Medi Physiology, 13th edition, 2016.
Main references (sources)	1- Ganong's Review of Medical Physiolo 25th edition, 2016. 2- Lippincott Medical Physiology, 2 Edition, 2018.
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:

Human Rights

2. Course Code:

HR001

3. Semester / Year:

1st semester / 2023–2024

4. Description Preparation Date:

October 2023

5. Available Attendance Forms:

Lectures

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

15 hours/ 1 credit

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

Name: **Ahmed Ali Abboud Al Khafaji**
Email: **ahmadali.alkhafajy@alkafeel.edu.iq**

8. Course Objectives

Course Objectives	**تهدف هذه المادة إلى تعريف الطالب بأوضاع حقوق الإنسان في الحضارات القديمة والأديان السماوية ، وأن يدرس كيفية معالجة الدين الإسلامي الحنيف لحقوق الإنسان الدينية والدنيوية ، وبيان أن الإسلام العظيم قد منح الفرد حقوقا كثيرة وعظيمة قبل ولادته وبعد وفاته ، وهو الأمر الذي لا نجده في بقية الحضارات القديمة والحديثة**

9. Teaching and Learning Strategies

Strategy	**أن يتعرف الطالب على حقوق الإنسان في الحضارات القديمة ، حقوق الإنسان في الدين اليهودي و الدين المسيحي ، حقوق الإنسان في الدين الإسلامي ، وثائق حقوق الإنسان القديمة ، إعلان حقوق الإنسان والمواطن الفرنسي لعام 1789 ، حقوق الإنسان في المنظمات الدولية**

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1			مفهوم الحق والإنسان وحقوق الإنسان		
2			الشخصية القانونية للإنسان		

3			مميزات الشخصية الطبيعية		
4			التطور التاريخي لفكرة حقوق الإنسان		
5			فكرة حقوق الإنسان في الشريعة الإسلامية		
6			الإسهام الفكري في تطور فكرة حقوق الإنسان		
7			تقدير نظريات القانون الطبيعي والعقد والاجتماعي		
8			الحقوق والحريات العامة التقليدية		
9			الحقوق والحريات الشخصية		
10			الحقوق والحريات الفكرية		
11			حق المشاركة في إدارة الشؤون العامة		
12			الحق في المساواة		
13			الحريات الاقتصادية والحقوق الاجتماعية		
14			الحريات الاقتصادية		
15			الحقوق الاجتماعية		
16			حقوق الإنسان في إعلانات الحقوق والوثائق الإقليمية		
17			إعلانات الحقوق الوطنية والعالمية		
18			حقوق الإنسان في الدساتير العراقية		
19			الحقوق والحريات العامة التقليدية		
20			الحقوق والحريات الشخصية		
21			الحقوق والحريات الفكرية		
22			الحق في المساواة		
23			الحريات الاقتصادية والحقوق الاجتماعية		
24			الحريات الاقتصادية		
25			الحقوق الاجتماعية		
26			الوسائل القانونية لحماية حقوق الإنسان		
27			الوسائل الدستورية لحماية حقوق الإنسان		
28			التشريع العادي لحماية حقوق الإنسان		
29			الوسائل القضائية لحماية حقوق الإنسان		
30			حق المشاركة في إدارة الشؤون العامة		

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)	**حقوق الإنسان / د. حميد حنون خالد**
Main references (sources)	**1) حقوق الإنسان / د. رياض عزيز هادي** **(2) الحماية الدستورية للحقوق والحريات / د .احمد فتحي سرور** **(3) دعائم الحكم في الشريعة الإسلامية والنظم الدستورية المعاصرة / د. إسماعيل إبراهيم بدوي**
Recommended books and references (scientific journals, reports…)	**المراجع المساعدة:** **(1) حقوق الإنسان بين الشريعة والقوانين الوضعية / د. علي يوسف الشكري** **(2) محاضرات في الديمقراطية / د. فيصل شنطاوي** **(3) محاضرات في الحرية والديمقراطية / د. ولاء مهدي الجبوري**
Electronic References, Websites	

Course Description Form

1. Course Name:
ECPD 1
2. Course Code:
ECPD001
3. Semester / Year:
Annual program
4. Description Preparation Date:
October 2023
5. Available Attendance Forms:
Class + Skill Lab+ Hospital visits
6. Number of Credit Hours (Total) / Number of Units (Total)
30 theory lectures+ 60 Practical sessions = 3 Credit Points
7. Course administrator's name (mention all, if more than one name)
Name: Dr Hayder Sahib Mahdi Email: h.mayali@alkafeel.edu.iq
8. Course Objectives

Course Objectives	**Early start, creates, develops, and improve the skills of medical colle students from a clinical standpoint, as well as from a professional a personal standpoint, so that they become highly competent and able perform the practical tasks they will face when they begin their work af graduating from college in the service of their patients and their communit**

9. Teaching and Learning Strategies

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

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 2 3 4 5 6			General Introduction (I'm a Doctor) Structure of Health Service in Iraq ECPD Introduction	LGT SGT ILA sessions	Quizes Mid-year Exams OSCE exams Final Exams

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30			Basic Anatomy for the vital Signs Basic Physiology for the vital signs Vital Signs: Basic concepts of assessment. Basic Principles of History Taking. Medical Ethics Basic Principles of Clinical Examination Student Selected Component (SSC). Communication Skills Basic Life Support (BLS) Common Emergencies Professionalism PHC Visit Guide Hospital Visit Guide Medical Recording Confidentiality Teamwork Concept OSCE Guide ***Practical Sessions*** **History taking** **Vital signs**		

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