

**Ministry of Higher Education and Scientific Research
Scientific Supervision and Scientific Evaluation Apparatus
Al-Muthanna university
College of Medicine**



Academic Program and Course Description Guide College of medicine

2025-2026

Academic Program Description Form

University Name: ALMuthanna

Faculty/Institute: College of medicine

Scientific Department: College of medicine

Academic or Professional Program Name: Bachelor of General Medicine and Surgery

Final Certificate Name: Bachelor in Medicine and general surgery

Academic System: Annual

Description Preparation Date: 1\9\2025

File Completion Date: 25\11\2025

Signature:

Head of Department

Name:

Date:

Signature:

Scientific Associate Name: Ince Mohammed

Nouri

Date:

The file is checked by: Abeer Mohammed Ali

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Date: 15\12\2025

Signature:



Approval of the Dean

1. Program Vision

The vision, mission and goals of the College of Medicine are clear and evident in the corridors of the college and outside it. The vision is for the College of Medicine to be a prominent scientific teacher working to develop the health reality in the governorate by supplying health institutions with qualified graduates with a good academic level, who are able to bear responsibility and deal with... The patient is humane and highly scientific, and works to encourage teaching staff as well as final stage students to conduct solid scientific and practical research that includes the problems of the health and medical reality, in order to raise the scientific and academic level of the college to suit local and international scientific requirements.

2. Program Mission

The college's mission: The college, its deanship and its staff, since its founding, has been striving to have an integrated educational role based on the latest modern scientific methods to raise the scientific level of graduates and make them capable of proper diagnosis. It also seeks to cultivate a spirit of brotherhood and cooperation among graduates so that the future doctor will be able to work in the spirit of One team and respect for other health personnel in order to be able to provide the best and to be able to interact in the medical and social environment. The college also aspires to strengthen continuing medical education programs that include all doctors working in health institutions for the purpose of achieving the most important goal, which is improving the health situation.

3. Program Objectives

- 1- Work to increase the teaching staff to be able to keep up with the number of students and enhance the concept of small group teaching.
- 2 - Working to graduate competent doctors with high scientific and clinical skills to enable them to practice the medical profession.

3 - Work to nourish the spirit of scientific research among the teaching staff and encourage research that touches on the health reality in order to evaluate it and diagnose its weaknesses.

4 - Cultivating a spirit of cooperation between the teaching staff and students by conducting joint research under the supervision of the teaching staff.

5 - Working to nurture the humanitarian side of students and graduates in their dealings with the patient and the rest of the medical and health staff.

6 - Encouraging students and graduates to make field visits to health and social institutions to enable them to provide medical services directly.

7 - Focusing on the principles of raising quality and working to strengthen them among the college's cadres, both scientific and administrative, to raise the academic level of the college.

8 - Forming scientific committees to update study plans, curricula, and clinical training methods to keep pace with international universities.

9 - Intensifying health awareness programs for the purpose of raising the level of health awareness in society.

10 - Contributing to the development of medical education and advanced health care at the local and regional levels.

11- . The student must be able to take a patient's medical history and examine patients for an academic medical examination In general, with examination of various body systems

12- The student should be able to search scientific sources and journals and be able to conduct discussions Scientific knowledge regarding clinical cases.

13-Attendance - in hospital ward, especially emergency, CCU, and Intensive care units.

14-Training in conducting internal medicine interventions,whether in hospital or ER .

4. Program Accreditation

Waiting to obtain accreditation from the Jordanian Accreditation Council, which is affiliated with the World Federation of Medical education.

5. Other external influences

Ministry of Higher Education and Scientific Research

6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	5			
College Requirements	9			
Department Requirements	18			
Summer Training	There is training for sixth stage students only			
Other				

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

7. Program Description

Year/Level	Course Code	Course Name	Credit Hours	
			Theoretical hr/year	Practical hr/year
First	129B1011001	Medical Chemistry	90	60
	129PH05002	Medical Physics	60	30
	129B104003	Human anatomy	120	60
	129B105004	Medical Biology	120	60
	129B104005	Principles of Medicine	30	15
	129GE04006	Computer science	30	60
	129B104007	Democracy and human rights	30	-
	129B104008	Medical terminology	15	-
	129B1040044	Arabic language	30	-

Second				
	129B104009	Human Anatomy	90	120
	129B10110010	Medical Biochemistry	90	60
	129B1050011	Histology	60	60
	129B1040012	Embryology	30	-
	129B1040013	University Culture and Freedom Rights	60	-
	129B1040014	Physiology	120	60
	129B1040015	Baath Regime Crimes	30	-
Third	129B1040016	Computer Sciences	60	-
	129CH010016	Pharmacology	90	60
	129B1050017	Medical Microbiology	90	60
	129B1050018	Parasitology	60	60
	129B1020019	Community Medicine	30	30
	129B1020020	Internal medicine	60	60
	129B1040021	Surgery	30	-
	129B1020022	Pathology	60	60
Fourth	129B1020023	Internal medicine	132	80
	129B1040024	General surgery	96	80
	129B1040025	Pediatrics	45	80
	129B1040026	Obstetrics	60	80
	129B1020027	Community medicine	90	120
	129B1020028	Forensic medicine	60	60
	129B1020029	Pathology	60	60
	129B1020030	Medical ethics	15	-
Fifth	129B1020032	Internal medicine	60	120
	129B1040031	Surgery	82	115
	129B1020033	Psychiatry	45	45
	129B1040034	Dermatology	30	30
	129B1040035	Ophthalmology	30	40
	129B1040036	ENT	30	40

	129B1040037	Pediatrics	60	72
	129B1040038	Gynecology	60	45
	129B1040039	Radiology	20	15
Sixth stage				
	129B1020040	Internal medicine	30	300
	129B1040041	Surgery	132	80
	129B1040042	pediatrics	30	150
	129B1040043	Obstetrics and Gynaecology	100	-

8. Expected learning outcomes of the program

Knowledge	
1- Scientific knowledge 2- Research skills	Apply basic knowledge in a clinical setting Developing the observation, interpretation and integration skills necessary to analyze human diseases
Skills	
Clinical skills	The ability to work in hospitals and institutions after acquiring the technical skills that qualify him to do this program
Ability to continuously learn	Possessing effective communication skills with members of society at all levels
Ethics	
Good communication and interaction	Professional development
Professional ethics	

9. Teaching and Learning Strategies

- 1- Interactive scientific lectures
- 2- Small learning groups
- 3- Practical and laboratory lessons
- 4- Clinical learning
- 5- Discussions
- 6- Self-learning

7- Technology in education

8- Continuous evaluation

10. Evaluation methods

1- Theoretical exams (which include multiple formats, including multiple choices, explanation clips, and the use of short-answer questions in the form of a scenario). As for practical exams, they include clinical exams in educational hospitals, including oral exams, communication skills, procedural skills, the long case, the short case, slides, and Oski.

2- Reports .

11. Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/ Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
1. Professor	General medicine and surgery	Internal medicine			1	
2. Professor	General medicine and surgery	Tumors and blood diseases			1	
3. Professor	Veterinary medicine	Animal physiology			1	
4- Professor	General medicine and surgery	Orthopedics and traumatology			1	

5- Professor	General medicine and surgery	Histology			1	
6- Professor	General medicine and surgery	Anesthesiology and intensive care			1	
7- Professor	General medicine and surgery	Dermatology and venereology			1	
8. Professor	Biology	Medical microbiology			1	
9. Professor	Biology	Genetics			1	
10. Professor	General medicine and surgery	Pathology			2	
11. Professor	General medicine and surgery	Cardiology			2	
12. Professor	General medicine and surgery	Nephrology and surgery			2	
13. Professor	General medicine and surgery	Urology			1	
14. Professor	General medicine and surgery	ENT			1	
15. Professor	General medicine and surgery	Gynecology and obstetrics			2	
16. Professor	Biology	Biochemistry			1	
17. Assistant Professor	Physics	Medical physics			1	
18. Assistant Professor	Biology	Microbiology			1	
19. Assistant	Biology	parasitology			1	

Professor						
20. Assistant Professor	General medicine and surgery	Ophthalmology			1	
21. Assistant Professor	General medicine and surgery	Nephrology and surgery			1	
22. Assistant Professor	General medicine and surgery	General medicine and surgery			4	
23. Assistant Professor	General medicine and surgery	Orthopedics and traumatology			2	
24. Assistant Professor	Chemistry	Biochemistry			1	
25. Assistant Professor	General medicine and surgery	Diagnostic ray			1	
26. Assistant Professor	General medicine and surgery	Gynecology and obstetrics			2	
27. Assistant Professor	General medicine and surgery	Internal medicine				1
28. Lecturer	Biology	Microbiology			2	
29. Lecturer	Pharmacology	Pharmacology				1
30 Lecturer	Biology	Animal physiology			1	
31. Lecturer	Physics	Nuclear physics			1	
32. Lecturer	Physics	Physics			1	
33. Lecturer	Chemistry	Biochemistry			2	
34. Lecturer	Chemistry	Organic chemistry			1	
35. Lecturer	General medicine	Diagnostic ray			1	

	and surgery					
36. Lecturer	Computer Science	Computer Science			1	
37. Lecturer	General medicine and surgery	Infertility treatment and assisted reproductive techniques			1	
38. Lecturer	General medicine and surgery	Embryology			1	
39. Lecturer	General medicine and surgery	Pediatrics, Neonatology, and Premature Infants			1	
40. Lecturer	General medicine and surgery	Pediatrics			1	
41.. Assistant lecturer	Biology	Microbiology			4	
42. Assistant lecturer	General medicine and surgery	Diagnostic ray			1	
43. Assistant lecturer	Modern and contemporary history	Contemporary history of Iraq			1	
44. Assistant lecturer	Physical education and sports sciences	Methods of teaching gymnastics			1	
45. Assistant lecturer	Arabic Language	Arabic Language			1	

Professional Development

Mentoring new faculty members

Instructing new faculty members in the college's scientific and administrative systems, how to skillfully deal with students, and preparing the study plan and procedures for the academic year through workshops, seminars, and research.

Professional development of faculty members

1. Needs Analysis: A comprehensive analysis of the academic and professional development needs of faculty members in the General Medical College is conducted. Current skills and knowledge are assessed and areas where they need to be developed and improved are identified, such as innovative teaching and learning strategies and techniques to enhance engagement and communication with students.
2. Design and implementation of workshops and training: Targeted workshops and training are designed and implemented to enhance the teaching and learning skills of faculty members. This includes providing training in the use of advanced educational technology and modern methods of performance assessment, problem diagnosis, and curriculum planning.
3. Participation in seminars and workshops: Faculty members are encouraged to participate in local and international seminars and workshops related to the development of university education in the field of medicine and general surgery. These events provide opportunities to exchange knowledge and experiences and learn from industry preferences.
4. Academic guidance and monitoring: Continuous academic guidance is provided to faculty members by supervisors and experts in the college. Their performance is monitored and appropriate feedback is provided to improve their performance.
5. Evaluation of performance and learning: The performance of faculty members and the extent to which the set goals for academic and professional development are achieved are evaluated. This includes assessing learning outcomes for students and ensuring that academic and professional standards are achieved.

12. Acceptance Criterion

The student is accepted through the central admission issued by the Ministry of Higher Education and Practical Research

.13 The most important sources of information about the program

Pharmacology

1. Lippencot-pharmacolog+BNF textbook
2. Wheeler's Atlas of Tooth Form

Microbiology

- 1- MICRIBIOLOG(Jawetz,Lippincott Prescott)
2. Nature Reviews Microbiology
3. Annual Review of Microbiology African Journal of Infectious Diseases Microbiology and Molecular Biology
4. Reviews Virology Journal Journal of General Virology

Pathology

1. Robbins basic pathology. 9th edition Elsevier, 2013
2. References: Levison DA: Muir's Textbook of pathology. 14th edition, 2008 Edward Arnold
3. Web path/google Pathology online ppt. lectures and vedios

Internal medicine

1. Davidson's Principles and Practice of Medicine - 23rd Edition
2. Harrison's Principles of Internal Medicine
3. New England journal of internal medicine, up-to-date web site

Physiology

1. Guyton and Hall Textbook of medical physiology, 13th Edition
2. Ganong`s Textbook of medical physiology, 23th Edition
3. Cameron Textbook of medical physics

Human anatomy

1. CLINIC AL ANATOMY BY REGIONS
2. GRANTS ATLAS OF ANATOMI

Surgery

1. Baily & Loves short practice of surgery. 26th edition
2. Browses introduction to the symptoms & signs of surgical diseases
3. Kaneski – ophthalmology
4. Armstrong –radiology
5. Adams outline of fractures & orthopedics
6. Sabiston text book of surgery ,the biological modern surgical practice 19th edition basis.

Pediatrics

1. NELSON Essentials of Pediatrics
2. up-to-date web site Medscape

Chemistry

1. Biochemistry Reginald H. Garrett | Charles M. Grisham University of Virginia 5th Edition
2. Harper's Illustrated Biochemistry, twenty sixth Edition
3. Basic Medical Biochemistry (A Clinical Approach)
4. principles of Biochemistry (Lehninger)
5. Fundamental of Analytical chemistry (Skoog/ West)
6. Organic chemistry (Morrison & Boyd)

Gynecology and obstetrics

1. Ten teachers(Gyne& Obst.)
2. Duherust text book Evidence base for Gyne.&Obst
3. Int.j of Gyne&Obst.
4. Web Gyne &Obst.

Medical ethics

1. History of Iraqi Medicine, Abdul Hamid Al-Aluji 2023.
2. Medical Profession Journal 2023
3. The doctor, healer and teacher, Achilles, translated by Zakaria Fahmy 01 29
4. The History of the Wise Men - Jamal al-Din Abi al-Hasan al-Qifti 2020 Humans and their mental health 2023.
5. Medical Ethics British Royal College

Basics of medicine

1. Textbook of Terminology
2. First Aids Book
3. - First Aids Textbook, the Red Cross
<https://safetytrainingpros.com/wpcontent/uploads/2015/10/American-Red-Cross-First-Aid-CPR-AED-Participants-Manual.pdf>

Rays

1. Textbook of radiology by David Sutton
2. American and European Journals of radiology
3. Radiopedia.com

University culture

1. <https://scholar.google.com/schhp?hl=ar>
2. Book of theories of public freedoms, intellectual trends in human rights and public freedoms
3. Requirements for promoting cultural pluralism in the learning community, a number of diverse publications (books, dissertations, university theses, research

Forensic medicine

1. Text book of forensic medicine and toxicology
2. Hand book of forensic medicine
3. Updated academic websites
4. Web forensic medicine and toxicology/google
5. Forensic medicine online ppt. lectures and videos

ENT

1. Main references (sources) Diseases of ear.nose.throat lecture notes.by Ray Clarke

Eleventh edition

2. Recommended books and references (scientific journals, reports...)
3. Electronic References, Websites

Dermatology

1. Hunters clinical dermatology
2. Andrews textbook of dermatology
3. Rooks, JAAD, Archive of dermatology
4. Dermnet.com

Computer

1. Computer Systems
2. Computer Systems Architecture
3. Introduction To Computing Systems

Human rights

1. Book of International Human Rights Law, Book of the Universal Declaration of Human Rights
2. The book on democratic transformation in Iraq, democracy and its types, democracy and human rights, medical and educational ethics for the patient and the doctor
3. Human Rights Book by Hamid Hanoun, Human Rights, the Development of Democracy, Its Implications and Protection by Riyad Aziz, Human Rights Encyclopedia of International Law
4. https://www.ohchr.org/ar/ohchr_homepage

Parasites

1. Paniker 's Textbook of Medical Parasitology
2. <https://www.sciencedirect.com>
3. <https://www.cdc.gov/dpdx>

Arabic Language

1. Explanation of Ibn Aqeel, Qatar Al-Nada, Abbasid Literature
2. Clear grammar by Ali Al-Jarim and Mustafa Amin, adequate grammar by Abbas Hassan
3. Some electronic libraries, such as the comprehensive library, Al-Nour library, and Lisan Al-Arab library.

Biochemistry

1. Harper's Illustrated Biochemistry, Twenty-Sixth Edition by Robert K. Murray et al. 2003
2. Lippincott , Illustrated Reviews: Biochemistry, Seventh Edition, Williams & Wilkins , 2017.

Histology

1. Junqueira's Basic Histology: Text and Atlas 2022
2. Difiore's Atlas of Histology
3. Stevens & Lowe's Human Histology
4. Color Atlas and Text of Histology
5. Histology at a Glance

Embryology

1. Text book of embryology
2. Respiratory ,head, neck, upper limb, lower limb, gastric system, urinary system, blood system

Orthopedic &traumatology

1. Apely system of orthopedic &fractures
2. Adam fractures Update knowledge of orthopedic British bone & joint journal
3. SICOTT on line

Obstetrics

1. Obstetric by ten techears
2. Update academic websits

13. Program Development Plan

1. Teaching and training students of primary studies and postgraduate clinical studies in comparison with the progress recorded in the teaching process and clinical knowledge globally.
2. Preparing doctors capable of managing the comprehensive medical care process in order to improve the patient's health status based on advanced diagnostic and therapeutic developments.
3. Improving scientific knowledge that aims to understand the disease process and then the possibility of preventing and treating it through cognitive integration between basic sciences and clinical sciences.
4. Creating a generation of graduates in medical schools who are qualified and able to complete their postgraduate studies within the perspective of modern concepts of medical care.
5. Follow up with graduates after graduation and evaluate success and improvements that can be made to the program based on graduates' feedback.
6. Listening to student feedback within a mechanism to collect student feedback regarding the program and improve it. Listen to their needs and suggestions and adopt them in the development process.
7. Sustainability and continuous improvement by establishing a mechanism for continuous improvement and ensuring program continuity. Conduct periodic

evaluation and updates to keep pace with modern developments in the field of medicine and surgery

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
First	129B1011001	Medical Chemistry	Basic			x				x			x		
	129PH05002	Medical Physics	Basic				X				X				X
	129B104003	Human anatomy	Basic		X				X					X	
	129B105004	Medical Biology	Basic			X				X				X	
	129B104005	Principles of Medicine	Basic		X				X				X		
	129GE04006	Computer science	Basic			X			X				X		
	129B104007	Democracy	Basic				X				X				X

		and human rights													
	129B104008	Terminology	Basic		X				X				X		
	129B1040044	Arabic language	Basic			X				X				X	
Second															
	129B104009	Human Anatomy	Basic			X				X					X
	129B10110010	Medical Biochemistry	Basic			x				x			x		
	129B1050011	Histology	Basic			X				X			X		
	129B1040012	Embryology	Basic			X			X					X	
	129B1040013	University Culture and Freedom	Basic				X				X				X

		Rights													
	129B1040014	Physiology	Basic		X				X				X		
	129B1040015	Baath Regime Crimes	Basic				X				X				X
Third	129CH010016	Pharmacolo gy	Basic		X				X				X		
	129B1050017	Medical Microbiolog y	Basic				X		X				X		
	129B1050018	Parasitology	Basic				X		X				X		
	129B1020019	Community Medicine	Basic			X		X					X		
	129B1020020	Internal medicine	Basic		X				X				X		
	129B1040021	Surgery	Basic				X				X		X		
	129B1020022	Pathology	Basic		X				X				X		
Fourt	129B1020023	Internal	Basic		X				X			X			

h		medicine													
	129B1040024	General surgery	Basic			X					X			X	
	129B1040025	Pediatrics	Basic				X				X				X
	129B1040026	Obstetrics	Basic			X				X				X	
	129B1020027	Community medicine	Basic		X				X					X	
	129B1020028	Forensic medicine	Basic			X				X				X	
	129B1020029	Pathology	Basic		X				X					X	
	129B1020030	Medical ethics	Basic	X					X					X	
Fifth	129B1020032	Internal medicine	Basic		X				X					X	
	129B1040031	Surgery	Basic			X				X				X	
	129B1020033	Psychiatry	Basic					X						X	X

	129B1040034	Dermatolog y	Basic			x				x				x	
	129B1040035	Ophthalmol ogy	Basic			X				X				X	
	129B1040036	ENT	Basic				X				X				X
	129B1040037	Pediatrics	Basic			X				X					X
	129B1040038	Gynecology	Basic			X				X				X	
	129B1040039	Radiology	Basic			X				X				X	
Sixth stage															
	129B1020040	Internal medicine	Basic		X				X					X	
	129B1040041	Surgery	Basic			X				X				X	
	129B1040042	Pediatrics	Basic				X				X				X
	129B1040043	Obstetrics and	Basic			X				X				X	

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

Course Description Form

1. Course Name:					
gynecology					
2. Course Code:					
129B1040038					
3. Semester / Year:					
2026–2025					
4. Description Preparation Date:					
1/9/2025					
5. Available Attendance Forms:					
In campus					
6. Number of Credit Hours (Total) / Number of Units (Total)					
60 hours 6 units					
7. Course administrator's name (mention all, if more than one name)					
Name: Sahar Swadi Raheem Email: drssraltaii@mu.edu.iq					
8. Course Objectives					
Course Objectives		<ul style="list-style-type: none"> • Menstrual cycle, physiology menstrual cycle, menstrual disturbances, congenital anomalies, infertility, contraception, types of genital tract cancers, genital tract infection 			
9. Teaching and Learning Strategies					
Strategy	Large group-theoretical lectures Small group-clinical sessions				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
	2hour	Understanding nor	Menstrual	cy	Large groups Formative

		and abnormal hormonal physiology menstrual cycle diagnosis of infertility and its management How to select proper type of contraceptive types of genital tract cancers	physiology of menstrual cycle, menstrual disturbances, congenital anomalies, infertility, contraception, types of genital tract cancer genital tract infection		Summative exam
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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
 10% marks for each semester
 20% marks for mid year exam
 10% marks for clinical course exam
 60% marks for final exam

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Gynecology by ten teachers
Main references (sources)	
Recommended books and references (scientific journals, reports...)	Update academic websites
Electronic References, Websites	

Course Description Form

1. Course Name:					
اجنه					
2. Course Code: 129B1040012					
3. Semester / Year:					
2025-2026					
4. Description Preparation Date:					
1-9-2025					
5. Available Attendance Forms:					
حضورى					
6. Number of Credit Hours (Total) / Number of Units (Total)					
15-15					
7. Course administrator's name (mention all, if more than one name)					
Name: م / هبه ستار جبار					
Email: Araloyhader @mu.edu.iq					
8. Course Objectives					
Course Objectives					
- Teaching the student professional medical behavior.. - • State and doctors' union laws..... - .A skilled doctor who serves country and his people			<ul style="list-style-type: none"> • تعليم الطالب السلوك المهني الطبي.... • القوانين الدولية والنقابة الاطباء... • طبيب ماهر يخدم بلده وابناء بلده • المؤسسة والرحمة وخدمة المريض.. 		
9. Teaching and Learning Strategies					
Strategy					
		the explanation الشرح Dialogue and discussion الحوار والنقاش Use references and sources- الاستعانة بالمراجع والمصادر Using modern teaching methods- استخدام وسائل التعليم الحديثة Assigning students to research papers ليف الطلبة بأوراق بحثية			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method

	مشاركة يومية	مناقشة	مناقشة	مناقشة	مناقشة	مناقشة
مشاركة	مشاركة	مناقشة	introduction-1	علم الاجنه	1	الاول
مشاركة	مشاركة	مناقشة	Gametogenesis	علم الاجنه	1	الثاني
مشاركة	مشاركة	مناقشة	Spermatogenesis	علم الاجنه	1	الثالث
مشاركة	مشاركة	مناقشة	Ovulation	علم الاجنه	1	الرابع
مشاركة	مشاركة	مناقشة	Fertilization	علم الاجنه	1	الخامس
مشاركة	مشاركة	مناقشة	Development 1	علم الاجنه	1	السادس
مشاركة	مشاركة	مناقشة	Development 2	علم الاجنه	1	السابع
مشاركة	مشاركة	مناقشة	Placenta	علم الاجنه	1	الثامن
مشاركة	مشاركة	مناقشة	Embryonic per	علم الاجنه	1	التاسع
مشاركة	مشاركة	مناقشة	gastrolation	علم الاجنه	1	العاشر
مشاركة	مشاركة	مناقشة	gastrolation	علم الاجنه	1	الحادي عشر
مشاركة	مشاركة	مناقشة	defect	علم الاجنه	1	الثاني عشر
مشاركة	مشاركة	مناقشة	Blastocyte	علم الاجنه	1	الثالث عشر
مشاركة	مشاركة	مناقشة	Congenital	علم الاجنه	1	الرابع عشر
مشاركة	مشاركة	مناقشة	Semena-1	علم الاجنه	1	الخامس عشر

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

توزيع الدرجة من 100 على وفق المهام المكلّف بها الطالب مثل التحضير اليومي والامتحانات اليومية والشفهية والشهرية والتحريرية والتقارير الخ النشاطات اليومية

20 والامتحان التحريري 80

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Text book of embryology
Main references (sources)	Respiratory ,head, neck, upper limb, lower limb, gastric system, urinary system, blood system
Recommended books and references (scientific journals, reports...)	لات النقابة الاطباء والكليات الطبية العراقية والاجنبية
Electronic References, Websites	اجع العلمية ، والكتب الطبية ، والمجلات العلمية

Course Description Form

1. Course Name:	
Medical microbiology	
2. Course Code: 129B1050017	
3. Semester / Year:	
2025–2026	
4. Description Preparation Date:	
1/9/2025	
5. Available Attendance Forms:	
In campus and teaching Hospital	
6. Number of Credit Hours (Total) / Number of Units (Total)	
150hours\8Units	
7. Course administrator's name (mention all, if more than one name)	
Name: Dr.Shaimaa M.S. Zainulabdeen Email: shimaa.majeed@mu.edu.iq	
8. Course Objectives	
<p>Medical microbiology focuses on medical diseases caused by microorganisms (bacteria, viruses, immunity, fungi</p>	<p>1. Cognitive objectives</p> <ul style="list-style-type: none"> • Obtain basic information about microbiology. • –Providing a broad base of knowledge and understanding microbiology. • – Developing information acquisition skills. • – Encouraging and training the student on how to deal with scientific facts. • –Encouraging students to conclude and interpret the results and how to present and discuss them
2. Teaching and Learning Strategies	
Strategy	Teaching whole class as theoretical lectures Small group seminar teaching

3. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
Every week	4	Understanding the major diseases caused by microorganisms (bacteria, viruses, immunity, fungi)	Medical microbiology	1- Large group teaching 2- Small group teaching 3- Practical session	Formative and summative exam

4. Course Evaluation

Distribution of score is 40% annual quest is 40% (mid year 20% , 20% for first and second semesters) , 60% for final exam(20% for practical exam , 40% for theoretical exam)

5. Learning and Teaching Resources

Required textbooks (curricular books, if any)	MICRIBIOLOG(Jawetz,Lippincott, Prescott)
Main references (sources)	BOOKS
Recommended books and references (scientific journals, reports...)	Nature Reviews Microbiology
Electronic References, Websites	Annual Review of Microbiology

Course Description Form

1. Course Name:					
Medical Ethics					
2. Course Code: 129B1020030					
3. Semester / Year:					
2026–2025					
4. Description Preparation Date:					
1\9\2025					
5. Available Attendance Forms:					
daily					
6. Number of Credit Hours (Total) / Number of Units (Total)					
30 h, 2 Unit					
7. Course administrator's name (mention all, if more than one name)					
Name: Dr. Salah Abd-Alkader omran Email: drsalahomran@yahoo.com					
8. Course Objectives					
Course Objectives			<p>teaching the student</p> <p>professional medical behavior..</p> <ul style="list-style-type: none"> • State and doctors' union laws..... • A skilled doctor who serves his country and his people 		
9. Teaching and Learning Strategies					
Strategy		Teaching and giving the way to a successful doctor, armed with scientific information, theoretical and practical medical experience and the noble character that characterizes a doctor.			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
30	30	Medical professional conduct	Medical ethics	Theoretical practical activities	Theoretical exam activities

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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 Practical: 30 , Theoretical: 70

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	History of Iraqi Medicine, Abdul Hamid Al-Aluji 2023.
Main references (sources)	Medical Profession Journal 2023
Recommended books and references (scientific journals, reports...)	1- The doctor, healer and teacher, Achilles, translated by Zakaria Fahmy 01 29 2- The History of the Wise Men - Jamal al-Din Abi al-Hasan al-Qifti 2020 Humans and their mental health 2023
Electronic References, Websites	Medical Ethics British Royal College

Dr. Salah Abd-Alkader omran

Course Description Form

1. Course Name:					
Principles of Medicine					
2. Course Code:					
129B104005					
3. Semester / Year:					
2025 – 2026					
4. Description Preparation Date:					
2/12/2025					
5. Available Attendance Forms:					
6. Number of Credit Hours (Total 30) / Number of Units (Total 2)					
7. Course administrator's name (mention all, if more than one name)					
Name: Prof. Dr. Wissam Sajid Hashim Al-Uboody Email: dr.w80@mu.edu.iq					
8. Course Objectives					
Course Objectives		<ul style="list-style-type: none"> – To develop an understanding of the medical terms and first aids. – To develop skills of observation, interpretation, and full fast response injuries in term of first aids. 			
9. Teaching and Learning Strategies					
Strategy					
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
Every week	Theory 1 hr .	understand functions	Principles of Medicine	– Large group teaching.	Formative & summative exam

		of different bo organs and systems and abnormal fluctuations which lead to malfunctions and diseases		– Small group teaching – Practical sessio	
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11. Course Evaluation

Distribution of score is 100% annual quest as (mid-year 20% , 20% for first and second semesters) , 60% for final exam.

12. Learning and Teaching Resources

Required textbooks (curricular books, if a	- Textbook of Terminology
Main references (sources)	- Textbook of Terminology - First Aids Book.
Recommended books and references (scientific journals, reports...)	Most recent editions of major sources and reliable internet sites.
Electronic References, Websites	https://safetytrainingpros.com/wpcontent/uploads/2015/10/American-Red-Cross-First-Aid-CPR-AED-Participants-Manual.pdf

Course Description Form

1. Course Name:					
Radiology					
2. Course Code:					
129B1040039					
3. Semester / Year:					
2026-2025					
4. Description Preparation Date:					
1\9\2025					
5. Available Attendance Forms:					
6. Number of Credit Hours (Total) / Number of Units (Total)					
2\3					
7. Course administrator's name (mention all, if more than one name)					
Name: Bashar Adnan Munshid , Maithem Sabeeh Ismail Email: (bashar19812003@mu.edu.iq)					
8. Course Objectives					
Course Objectives		<p>By the end of the course, students should be able to:</p> <p>1. Explain the basic principles of diagnostic radiology 2. Describe the different types of radiographic techniques and their clinical applications 3. Interpret radiographic images and identify common pathologies 4. Demonstrate some proficiency in observing radiographic procedures 5. Understand the risks associated with radiation exposure and apply appropriate</p>			
9. Teaching and Learning Strategies					
Strategy		1-Interactive scientific lectures 2- Small learning groups 3- Discussion sessions			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-7	7	The student should learn about radioanatomy and interpretation of	Respiratory radiology	Interactive theoretical lectures and small group teaching	
8-14	7		CNS radiology		
15	1		1st term examination		

16-22	7	different radiological images of common pathologies and main principles of radioprotection	Abdominal radiology		
23-29	7		MSK radiology		
30			2nd term examination		

11. Course Evaluation

10 % 1st term examination
20% mid-year examination
10% 2nd term examination
10 % practical course examination
50% final examination

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	Textbook of radiology by David Sutton
Recommended books and references (scientific journals, reports...)	American and European Journals radiology
Electronic References, Websites	Radiopedia.com

Course Description Form

1. Course Name:	
General Pathology and systemic pathology	
2. Course Code: 129B1020029	
3. Semester / Year:	
2025–2026	
4. Description Preparation Date:	
27\11\2025	
5. Available Attendance Forms:	
6. Number of Credit Hours for each one of general and systemic pathology (Total 120) / Number of Units for each course (6)	
7. Course administrator's name (mention all, if more than one name)	
Name: Prof. Dr. Sarah A. Abed Email: sarah.ali@mu.edu.iq Asst.Prof.Dr.Thaffer S. Jawad	
8. Course Objectives	
Course Objectives	<ol style="list-style-type: none">1) To develop an understanding of the causes and the associated alterations of mechanisms of disease and structure and function.2) To develop skills of observation, interpretation, and analyze human disease. When integration needed to anatomical lesions, provided with the clinical history, the post and the laboratory data of a patient, to determine the likely diagnosis and explain the pathogenesis of the disease. <ul style="list-style-type: none">•
9. Teaching and Learning Strategies	

Strategy	
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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
Every week	theory 4hr. practice 4hr.	understand pathogenesis, morphology and clinical manifestations of basic pathological processes and diseases at the molecular, cellular, tissue levels	Systemic & general Pathology	1- Large group teaching 2- Small group teaching 3- Practical session	Formative & summative exam

11. Course Evaluation

Distribution of score is 40% annual quest is 40% (mid year 20% , 20% for first and second semesters) , 60% for final exam(20% for practical exam , 40% for theoretical exam)

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	bbins basic pathology. 9th edition Elsevier, 2013
Main references (sources)	References: Levison DA: Muir's Textbook of pathology. 14th edition, 2008 Edward Arnold.

Recommended books and references (scientific journals, reports...)	Most recent editions of major sources and reliable internet sites
Electronic References, Websites	Web path/google Pathology online ppt. lectures and videos

Course Description Form

1. Course Name:	
Human Biology	
2. Course Code: 129B105004	
3. Semester / Year:	
First Year 2025–2026	
4. Description Preparation Date:	
1\9\2025	
5. Available Attendance Forms:	
Theoretical and practical	
6. Number of Credit Hours (Total) / Number of Units (Total)	
135/6	
7. Course administrator's name (mention all, if more than one name)	
Name: 1- Dr. Hussein T. Abdulabbas 2- M.Sc. Hussein Alburkat Email: hussain.thair@mu.edu.iq Hussein.alburkat@mu.edu.iq	
8. Course Objectives	
<p>Course Objectives</p> <p>Human Biology is designed to achieve the following objectives for the benefit of students involved:</p>	<p>1- Description the human body at the level of molecules, cells, tissue and systems, and apply this understanding to human function.</p> <p>2- Understand of the basic principles of transmission, molecular, and genetics as it relates to humans, and to examine their relevance to our society and human genetic diseases.</p> <p>3- Applying knowledge of biosafety principles, biological agent classification systems, biological hazards and containment levels.</p>
9. Teaching and Learning Strategies	
Strategy	<p style="text-align: center;">Group discussion strategy Active learning strategy</p>

10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Cognitive skills in medical Field	An introduction to cell biology	Lecture and Discussion	Mutual Dialogue
2	2	Cognitive skills in medical Field	Eukaryotic and prokaryotic cells	Lecture and Discussion	Mutual Dialogue
3	2	Cognitive skills in medical Field	The cell membrane Structure	Lecture and Discussion	Quiz
4	2	Cognitive skills in medical Field	Cell organelles	Lecture and Discussion	Mutual Dialogue
5	2	Cognitive skills in medical Field	Cytoskeleton	Lecture and Discussion	Mutual Dialogue
6	2	Cognitive skills in medical Field	Membrane Dynamics (cell transport)	Lecture and Discussion	Quiz
7	2	Cognitive skills in medical Field	Plasma Membrane Receptors	Lecture and Discussion	Mutual Dialogue
8	2	Cognitive skills in medical Field	The nucleus	Lecture and Discussion	Researches assessment
9	2	Cognitive skills in medical Field	Nucleic acids (DNA and RNA types)	Lecture and Discussion	Quiz
10	2		First Exam		Written exam
11	2	Cognitive skills in medical Field	Introduction to the Cell Cycle	Lecture and Discussion	Mutual Dialogue
12	2	Cognitive skills in medical Field	Mitosis, Meiosis, and Cell Death	Lecture and Discussion	Quiz
13			Midterm Exam		Written exam
14	2	Cognitive skills in medical Field	Epithelial tissue	Lecture and Discussion	Mutual Dialogue
15	2	Cognitive skills in medical Field	Connective tissue	Lecture and Discussion	Mutual Dialogue
16	2	Cognitive skills in medical Field	Cell junctions	Lecture and Discussion	Quiz
17	2	Cognitive skills in medical Field	Muscle tissue and nervous tissue	Lecture and Discussion	Mutual Dialogue
18	2	Cognitive skills in medical Field	Genome Structure and Replication	Lecture and Discussion	Mutual Dialogue
19	2	Cognitive skills in medical Field	Gene expression I - central dogma o molecular biology, gene structure transcription, and RNA modification	Lecture and Discussion	Quiz
20	2	Cognitive skills in medical Field	Gene expression II - translation, geneti code, post-translational modifications	Lecture and Discussion	Mutual Dialogue

21	2	Cognitive skills in medical Field	Introduction of Human genetics	Lecture and Discussion	Mutual Dialogue
22	2	Cognitive skills in medical Field	Patterns of Genetic Inheritance	Lecture and Discussion	Quiz
23	2	Cognitive skills in medical Field	Mutations and genetic disorders	Lecture and Discussion	Researches assessment
24	2	Cognitive skills in medical Field	Human Pedigrees	Lecture and Discussion	Quiz
25	2		Second EXAM		
26	2	Cognitive skills in medical Field	Cancer Genetics	Lecture and Discussion	Mutual Dialogue
27	2	Cognitive skills in medical Field	Epigenetics - interactions of genes and environment	Lecture and Discussion	Mutual Dialogue
28	2	Cognitive skills in medical Field	DNA Technology (PCR, FISH, etc.)	Lecture and Discussion	Quiz
29	2	Cognitive skills in medical Field	Introduction to Biosafety	Lecture and Discussion	Mutual Dialogue
30	2	Cognitive skills in medical Field	Biosafety containment levels & Biohazard symbols	Lecture and Discussion	Mutual Dialogue
31	2	Cognitive skills in medical Field	Biological hazards & Control of biological hazards	Lecture and Discussion	Researches assessment
32		Cognitive skills in medical Field	Biosecurity	Lecture and Discussion	Quiz

11. Course Evaluation

Formative assessment (no marks)
 Continuous progress assessment- Reports, Quizzes & student's attendance (5 marks)
 Midterm Exam (20)
 First and Second semester Exam (15)
 Summative Exam (written) 40 marks
 Multi station practical Exam 20 marks

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Human Biology (15th Edition, 2018) by sylvia Mader and Michael Windelspech
Main references (sources)	Principles of Genetics (7th edition, 2011) by Peter Snustad and Michael J. Simmon Cell Biology, Fourth Edition 2015 by Albert D. Pollard, Thomas D. (Thomas Dea

	1942- author. Earnshaw, William author. Lippincott-Schwartz, Jennif author. Johnson, Graham T., illustrator.
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	Nature Science

Course Description Form

1. Course Name:	
Human anatomy	
2. Course Code: 129B104003	
3. Semester / Year:	
First semester / 2026-2025	
4. Description Preparation Date:	
1\9\2025	
5. Available Attendance Forms:	
My presence	
6. Number of Credit Hours (Total) / Number of Units (Total)	
7. Course administrator's name (mention all, if more than one name)	
Name: Professor Dr. Ali Taha Hassan Email: ali.taha06@mu.edu.iq	
8. Course Objectives	
Course Objectives	<ul style="list-style-type: none">• Teaching students the complete anatomy of the human body• Linking anatomy to its clinical applications• Conducting solid scientific research on human anatomy topics• Holding workshops and seminars on human anatomy topics• Working to open postgraduate studies in human anatomy
9. Teaching and Learning Strategies	
Strategy	<ol style="list-style-type: none">1. Explanation2. Brainstorming3. Dialogue and discussion4. Use references and sources5. Using modern teaching methods

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
first	2	The medical field of knowledge and skills	Anatomical terms	Lecture and discussion	Daily sharing
second	2	The medical field of knowledge and skills	Skin,bone,joint	Lecture and discussion	Daily sharing
third	2	The medical field of knowledge and skills	Nervous system	Lecture and discussion	Daily sharing
fourth	2	The medical field of knowledge and skills	Superficial anatomy of upper limb	Lecture and discussion	Daily sharing
Fifth	2	The medical field of knowledge and skills	Pectoral region and breast	Lecture and discussion	Daily sharing
sixth	2	The medical field of knowledge and skills	Axilla	Lecture and discussion	Daily sharing
Seventh	2	The medical field of knowledge and skills	Scapular region and the back	Lecture and discussion	Daily sharing
eight	2	The medical field of knowledge and skills	Upper arm and shoulder joint	Lecture and discussion	Daily sharing
Ninth	2	The medical field of knowledge and skills	Forearm and elbow joint	Lecture and discussion	Daily sharing
tenth	2	The medical field of knowledge and skills	The wrist	Lecture and discussion	Daily sharing
eleventh	2	The medical field of knowledge and skills	THE Hand	Lecture and discussion	Daily sharing
first	2	The medical field of knowledge and skills	Joints of upper limb	Lecture and discussion	Daily sharing

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 anatomy by regions,Richard s,Snell and Grant atlas of anatomy
Main references (sources)	Grey anatomy
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:					
General surgery					
2. Course Code: 129B1040024					
3. Semester / Year:					
Fourth stage 2025–2026					
4. Description Preparation Date:					
1-9-2025					
5. Available Attendance Forms:					
6. Number of Credit Hours (Total) / Number of Units (Total)					
60 hr 9 units					
7. Course administrator's name (mention all, if more than one name)					
Name: ali faeq sadeq Email: alifaeq@mu.ed.iq					
8. Course Objectives					
Course Objectives			<ul style="list-style-type: none"> • To learn student how to treat and diagnose surgical cases specially in emergency unit.... • • 		
9. Teaching and Learning Strategies					
Strategy		<p style="text-align: center;">Lectures Practical sessions discussion</p>			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-8	14hs	Learn how to diagnose and treat surgical cases	Esophageal and gastric Disease		

1-8 8-12	14hs	Rectal disease ,hernia,intestinal obstruction ,a canal disease	Liver disease and biliary tract diseas		
12-20		Breast disease,thyroid diseas,pancreas disease Small and lar bowel disease			

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

5% theory exam

10% osce stations

5%theory exam

20% half year exam

60%final exam

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Short practice of surgery
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	medscape

Academic Program Description Form

University Name: ...AL-Muthanna.....

Faculty/Institute:medicine.....

Scientific Department:pathology and forensic medicine.....

Academic or Professional Program Name:

Final Certificate Name: ..Bachelor of General Medicine and
Surgery.....

Academic System: ...Annual.....

Description Preparation Date: 1\9\2025

File Completion Date: 27\11\2025

Signature:

Head of Department Name:

Prof.Dr.Sarah A. Abed

Signature:

Scientific Associate Name:

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

Since university education is one of the economic development and repository of knowledge and educational development , it is therefore the main tool for transferring cultural and scientific experience between human societies colleges today especially medicine are considered future centers for research and knowledge innovation , enabling them to solve some development problems in society . the department of pathology and forensic medicine is considered one of the branches of college of medicine who seeks to prepare scientific doctors with experience because of the importance of branch for doctors future because it is the basis of knowledge in forensic medical cases. .

2. Program Mission

To prepare competent and qualified medical personnel with expertise in medical and scientific fields, experienced in handling forensic medical cases.

- To prepare specialized medical personnel knowledgeable in managing and treating various accidents, as well as determining the causes of death.
- To ensure medical personnel have a comprehensive understanding of all types of forensic medical cases by utilizing scientific research and practical experience to serve the community and develop a highly experienced medical workforce..

3. Program Objectives

The department aims to graduate a scientifically qualified medical cadre with a background in forensic medicine and legal cases, capable of identifying and treating various incidents.

- Emphasis is placed on mastering forensic medicine, as it is fundamental to graduating physicians who are well-versed in knowledge, professional skills, and behavioral approaches, and who possess high competence in forensic medical cases.
- The department is committed to developing its teaching staff by providing a suitable environment and opportunities for training, and by establishing postgraduate studies, in line with the increasing number of students and the department's ongoing development

4. Program Accreditation

accreditation from the Jordanian Accreditation Council is obtained , which is affiliated with the World Federation of Medical education.

5. Other external influences

6. Program Structure

Program Structure	Number of Courses	Credit units	Percentage	Reviews*
Institution Requirements				
College Requirements				
Department Requirements	1	6		basic
Summer Training				
Other				

7. Program Description				
Year/Level	Course Code	Course Name	Credit Hours	
			theoretical	practical
fourth		Forensic medicine	60hr.	60hr.

8. Expected learning outcomes of the program	
Knowledge	
<ol style="list-style-type: none"> 1. What is forensic pathology and what are the scope of its practical applications. The most common various international systems of forensic pathology and the reasons for these variations 2. Formalities of medico-legal consultation and in which respect it differ from other medical consultations. 3. How to receive and examine medico-legal cases. 	
Skills	
<ol style="list-style-type: none"> 1. How to take samples for laboratory investigations and how to send them to the labs. 2. How to perform a postmortem examination. 3. How to write a medico-legal report. 	
Ethics	
<ol style="list-style-type: none"> 1. How to issue death and birth certificates. 2. Identification of unknown dead person or humans remains. 	

9. Teaching and Learning Strategies
<ol style="list-style-type: none"> 1–Small group teaching 2–Practical session. 3–Large group.

10. Evaluation methods
<ol style="list-style-type: none"> 1– Formative assessment. 2– Final summative assessment. 3– Objective structured clinical examination

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11.Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
one professors one assistant professors	Bachelor of General Medicine and Surgery	Board and PHD certification in pathology			staff	

Professional Development

Mentoring new faculty members

Guiding new faculty members in the scientific and administrative systems , how to be skills in dealing with students , preparing syllabus and how preparing workshops , seminars and research

Professional development of faculty members
--

Directing faculty members to the syllabus , examinations management and how preparing workshops , seminars and research

12.Acceptance Criterion

Through the central admission of ministry of higher education

13. The most important sources of information about the program

Corresponding medical college curricula and the medical education unit

14. Program Development Plan

- 1- Use of modern information technology.**
- 2- Apply the basic science principles of normal and abnormal structure and function to clinical medicine.**
- 3- Develop the clinical competencies expected in each of the core medical specialties.**
- 4- Apply principles of preventive and population-based medicine including environmental health issues.**
- 5- Recognize and respond to acute life-threatening problems**

Program Skills Outline															
				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics			
				A 1	A 2	A 3	A 4	B 1	B 2	B 3	B 4	C 1	C 2	C 3	C 4
fourth		Forensic medicine	basic	X	X	X		X	X	X		X	X		

Course Description Form

1. Course Name:	
Forensic medicine	
2. Course Code:	
3. Semester / Year:	
2025-2026	
4. Description Preparation Date:	
27\11\2025	
5. Available Attendance Forms:	
In campus	
6. Number of Credit Hours (Total) / Number of Units (Total) 60 hours	
60 hours 6 units	
7. Course administrator's name (mention all, if more than one name)	
Name: Sarah Ali Abed Email: sarah.ali@mu.edu.iq Asst.Prof.Dr.Thaffer S. Jawad	
8. Course Objectives	
Course Objectives	<p>At the end of the course the student is supposed to acquire fundamental skills in the following respects:</p> <ol style="list-style-type: none"> 1. What is forensic pathology and what are the scope of its practical applications. The most common various international systems of forensic pathology and the reasons for these variations 2. Formalities of medico–legal consultation and in which respect it differ from other medical consultations. 3. How to receive and examine medico–legal cases. 4. How to take samples for laboratory investigations and how to send them to the labs. 5. How to perform a postmortem examination. 6. How to write a medico–legal report.
9. Teaching and Learning Strategies	
Strategy	<p>Large groups – theoretical lectures Small groups – discussion and seminars Clinical sessions</p>

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
Every week	2 hr. theory 2 hr. practical session	It deals with examination of the living individuals, such as cases of sexual offences, wounds, certificate, age estimation etc. Forensic pathology deals with interpretation of autopsy findings in medicolegal investigation of death (forensic thanatology — Study of death)	Introduction to forensic pathology <ul style="list-style-type: none"> • definition, medico-legal systems, • how to examine a medico-legal case, • how to perform medico-legal autopsy. Postmortem artifacts, Autopsy report • Pathophysiology of death • definition of sudden death • Identification • Age estimation • Pathology of wound • Head and spinal injuries • injuries to the driver in vehicle • toxicology 	-1Large group teaching -2Small group teaching -3Practical session	Formative summative exams

11. Course Evaluation

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

Formative and summative exams. Regarding summative exams as follow:
 10 marks for each semester (60%theory and 40%practical)
 20 marks midyear exam
 60 marks final exam (20 practical and 40 theory)

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Text book of forensic medicine toxicology
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Main references (sources)	Hand book of forensic medicine
Recommended books and references (scientific journals, reports...)	Updated academic websites
Electronic References, Websites	Web forensic medicine toxicology/google Forensic medicine online ppt. lectures videos

Course Description Form

1. Course Name:					
Medical histology					
2. Course Code: 129B1050011					
3. Semester / Year:					
2026–2025					
4. Description Preparation Date:					
2025\9\1					
5. Available Attendance Forms:					
daily					
6. Number of Credit Hours (Total) / Number of Units (Total)					
30 h, 2 Unit					
7. Course administrator's name (mention all, if more than one name)					
Name: Dr. Eyhab R. Muhssan Email: eyhabrazzaq@mu.edu.iq .					
8. Course Objectives					
Course Objectives			<ul style="list-style-type: none"> • Learning of basic histo. • Learning of systimatic histo... • Learning of tissue body 		
9. Teaching and Learning Strategies					
Strategy					
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
60	60	Learning of Med. Histology	Medical Histo.	Theoretical practical activities	Theoretical exam activities

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 Practical: 30 , Theoretical: 70					
12. Learning and Teaching Resources					
Required textbooks (curricular books, if any)			Junqueira's Basic Histology: Text and Atlas 2022		
Main references (sources)			Difiore's Atlas of Histology		
Recommended books and references (scientific journals, reports...)			1- Stevens & Lowe's Human Histology 2- Color Atlas and Text Histology		
Electronic References, Websites			Histology at a Glance		

Course Description Form

1. Course Name:					
Otolaryngology					
2. Course Code:					
129B1040036					
3. Semester / Year:					
2026-2025					
4. Description Preparation Date:					
1\9\2025					
5. Available Attendance Forms:					
In campus and the teaching hospital.					
6. Number of Credit Hours (Total) / Number of Units (Total)					
30 hours\3units					
7. Course administrator's name (mention all, if more than one name)					
Name: ass.prof. Alaa Yass Abed Email: Alaa_yass@mu.edu.iq					
8. Course Objectives					
Course Objectives		Study the ear. Nose and throat physiology..... Study the ear. Nose and throat .diseases.... •			
9. Teaching and Learning Strategies					
Strategy		1- All class - theoretical lectures 2- Small groups - learning methods of examinations and diagnosis			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
Every week	1 hour Theory 12practic		Rhinology: Allergic Rhinitis. : pisa Otology: • Anatomy of ear & physiology of hearing	6	

			<ul style="list-style-type: none"> • Diseases of the external ear. <ul style="list-style-type: none"> • Non suppurative otitis media. • Facial n. / anatomy & lesions. Laryngology <ul style="list-style-type: none"> • Anatomy & Physiology of Larynx. • Cong. Anomalies of Larynx. • Trauma of Larynx. • Tumors of Larynx. • Management of Upper Airways Obstruction. <ul style="list-style-type: none"> • Anatomy & physiology of the pharynx. • Diseases of the tonsil. <ul style="list-style-type: none"> • Adenoid hypertrophy & adenoidectomy. • Pharyngitis • Anatomy & infection of the neck spaces • Neck mass. • Foreign bodies in otolaryngology 	
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11. Course Evaluation

Term tests 20
Midyear 20
Final examination 60

12. Learning and Teaching Resources

Main references (sources) Diseases of ear.nose.throat lecture notes.by Ray Clarke Eleventh edition	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:	
Internal Medicine	
2. Course Code: 129B1020023	
3. Semester / Year:	
Fourth year	
4. Description Preparation Date:	
20/11/2025	
5. Available Attendance Forms:	
In campus and teaching Hospital	
6. Number of Credit Hours (Total) / Number of Units (Total)	
12/320	
7. Course administrator's name (mention all, if more than one name)	
Name: Prof. Dr. Ali Adnan Jabbar Email: dralialwahami@edu.mu.iq	
8. Course Objectives	
Course Objectives	<ul style="list-style-type: none"> • Cardinal medical manifestatio • Cardiovascular diseases • Gastrointestinal and li diseases • Respiratory diseases • Renal diseases • Endocrine diseases Diabetes
9. Teaching and Learning Strategies	
Strategy	Teaching whole class as theoretical lectures Small group clinical teaching Small group seminar teaching

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
Every week	1		Learning Cardiovascular diseases Gastrointestinal and liver diseases Respiratory diseases Renal diseases Endocrine diseases Diabetes	Lectures Clinical session	Term exam. Mid-term exam. Clinical exam.

11. Course Evaluation

10 marks first term 10 marks second term 20 mid-year examination 20 clinical examination 40 final theory examination
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12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Davidson's principles and practice of medicine Macleod's Clinical Examination
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:					
obstetric					
2. Course Code:					
129B1040043					
3. Semester / Year:					
2026-2025					
4. Description Preparation Date:					
1/9/2025					
5. Available Attendance Forms:					
In campus					
6. Number of Credit Hours (Total) / Number of Units (Total)					
60 hours 6 units					
7. Course administrator's name (mention all, if more than one name)					
Name: Inass yaseen Jassim Email: emadbugw@mu.edu.iq					
8. Course Objectives					
Course Objectives		<ul style="list-style-type: none"> • Physiological changes during pregnancy • Labour and malpresentation • Medical disease during pregnancy..... • Other complication antepartum and postpartum..... • 			
9. Teaching and Learning Strategies					
Strategy		Large group-theoretical lectures Small group-clinical sessions			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method

	2hour	Diagnosis of pregnancy And its management And labour and complication pregnancy and labour	Diagnosis of pregnancy Physiological changes Medical diseases Labour malpresentation Antepartum and Postpartum complication	Large groups	Formative Summative exam
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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

5% marks for each semester

20% marks for mid year exam

10% marks for clinical course exam

60% marks for final exam

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Obstetric by ten techears
Main references (sources)	
Recommended books and references (scientific journals, reports...)	Update academic websits
Electronic References, Websites	

Course Description Form

1. Course Name:	
Orthopedic & traumatology	
2. Course Code:	
129B1040031	
3. Semester / Year:	
2025-2026	
4. Description Preparation Date:	
1/9/2025	
5. Available Attendance Forms:	
Daily	
6. Number of Credit Hours (Total) / Number of Units (Total)	
120 hours for 5 th year + 132 hours for 6 th years / 5.5 + 4.5	
7. Course administrator's name (mention all, if more than one name)	
Name: Jasim Hasan Imarah Email: jassim-hassan@mu.edu.iq Ali Taha Hussain Osama Jabbar Hawala	
8. Course Objectives	
Course Objectives	<ul style="list-style-type: none"> • By the end of the course students should be able to • .1 Deal with urgent cases casualty (diagnosis & treatment) • 2 follow & manage cases in ward • .3 Do simple orthopedic procedures like casting & traction • •
9. Teaching and Learning Strategies	
Strategy	<p>1. Lectures 2. Small group teaching 3. seminar 4. OP patients examination & treatments 5. Observations operative procedures in theater</p>

10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Diagnosis of fracture	Principles of fracture	Lecture	Quiz Clinical assessment Written Examination
2	2	Open fracture treatment	Diagnosis & treatment	Lecture	
3	2	Hip & femur trauma	Management cases	Lecture	
4	2	Shoulder & humerus trauma	Fractures & dislocation	Lecture	
5	2	Differentiating children fractures	Classification & Dx	Lecture	
6	2	Prevention & Dx		Lecture	
7	2	OA Dx & treatment	Complications of OA	Lecture	
8	2	Definition & management	Osteoarthritis	Lecture	
9	2	Dx of foot disorders	Amputation Congenital cases diseases	Lecture	

11. Course Evaluation

1st term exam. 10

Out patient clinic exam. 10

Mid years exam. 20

2nd term exam. 10

Final exam 50

11. d Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	Apely system of orthopedics & fractures
Recommended books and references (scientific journals, reports...)	Adam fractures Update knowledge of orthopedic British bone & joint journal
Electronic References, Websites	SICOTT on line

Dr. Jasim Hasan Imaraha

Course Description Form

1. Course Name:	
Crimes of the Baath Regime	
2. Course Code:	
129B1040013	
3. Semester / Year:	
2025–2026	
4. Description Preparation Date:	
20–9–2025	
5. Available Attendance Forms:	
Personal presence	
6. Number of Credit Hours (Total) / Number of Units (Total)	
30hour/2units	
7. Course administrator's name (mention all, if more than one name)	
Name: Eqtidar Mohsen Email: eqtidar.mohsen@mu.edu.iq	
8. Course Objectives	
Course Objectives	<p>The course aims to enable students to understand the historical and political context of the Ba'ath regime, to identify the types of crimes and violations it committed, and to analyze the impact of these crimes on society and international law. It also seeks to develop students' research, analytical, and critical thinking skills, and to equip them with the ability to produce accurate reports and studies on the regime's crimes. In addition, the course promotes awareness of human rights and ethical values, fosters civic and democratic principles, and encourages tolerance and responsible citizenship. Effectively recognizing human freedoms cannot be overlooked.</p>

9. Teaching and Learning Strategies

Strategy

In teaching the scientific material, a set of strategies were adopted in order to deliver the scientific material, which are:
 1- Dialogue and discussion strategy.
 2- Brainstorming strategy.
 3- Group work strategy: This strategy is carried out by assigning two or more students to work on seminars, the titles of which are chosen from among subject items specified by the Ministry.

10. Course Structure

Week	1 Hour	Required Learning Outcomes	Unit or s*Public freedoms and human rights and the extent of their application in Iraqi society *The right to health care and respect for freedom *Human rights and freedoms in the divine religions and the Iraqi constitution *The medical profession (medical behavior, the most important characteristics that a doctor must possess, doctors and humanity, medical	Learning method	Evaluation method

			responsibility) *University student culture *The role of the state in providing full protection for the rights of its citizens subject name		
Every week	2 hours	The student should be able to interpret historical and political context of the Ba'ath regime and its impact on society, identify types of crimes and violations committed by the regime against individuals and groups, and analyze the political mechanisms it employed to control society and silence opposition. The student will also be able to evaluate effects of the regime's crimes on international human rights, and conduct research and critical analytical skills while examining historical documents and testimonies related to these crimes. In addition, the student will be capable of producing organized and well-documented reports and studies	*Crimes of the Ba'ath regime in Iraq according to the Statute of the Iraqi High Criminal Court of 2002 *The concept and categories of crimes – definition of crime linguistically and conventionally *Types of international crimes – decisions issued by the Iraqi High Criminal Court *Psychological and social crimes and their effects, and the most prominent violations committed by the Ba'ath regime in Iraq *Psychological crimes and their impacts – mechanisms of psychological crimes *The mechanism of impoverishment and starvation – psychological pressure and punishment mechanisms *Mechanisms of ethnic and sectarian cleansing – mechanisms of scientific and cultural	Preparing scientific material in advance, having it reviewed by the students, so that it can be discussed during the lecture, and asking questions in order to know the extent of their response to the scientific material.	Student discussion, daily exam, report writing

		<p>that reflect understanding of causes and consequences of these crimes. The student will further demonstrate awareness of the ethical values and human rights that were violated, and show the ability to address civic and democratic principles and participate effectively in analytical discussions regarding the impact of the regime's crimes and the lessons to be learned from them</p>	<p>impoverishment</p> <ul style="list-style-type: none"> *Social crimes (militarization of society) *The Ba'ath regime's stance toward religious minorities Violations of Iraqi law *Examples of crimes committed by the authorities *Selected decisions concerning political and military violations by the Ba'ath regime *Locations of prisons and detention centers under the Ba'ath regime *Environmental crimes of the Ba'ath regime in Iraq *Use of internationally prohibited weapons and the dangers of landmines *Contamination with radioactive materials *Pollution in the city of Halabja *Destruction of cities and villages (scorched earth policy) *The Battle of the Jasrah River and the burning of oil wells *The draining of the Marshlands *Crimes of mass graves *The events of 1991 and their connection to the mass graves *Chronological classification of genocide mass graves in Iraq 		
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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
 10 marks for each of the first and second semester, 20 marks for the mid-year exam, 60 marks for the final exam.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	Book of theories of public freedoms, intellectual trends in human rights and public freedoms
Recommended books and references (scientific journals, reports...)	Requirements for promoting cultural pluralism the learning community, a number of diverse publications (books, dissertations, university theses, research
Electronic References, Websites	https://scholar.google.com/schhp?hl=ar

Course Description Form

1. Course Name: Dermatology					
2. Course Code: 129B1040034					
3. Semester / Year:					
2026–2025					
4. Description Preparation Date:					
1\9\2025					
5. Available Attendance Forms:					
Dialy					
6. Number of Credit Hours (Total) / Number of Units (Total)					
30 hr theory /yr and 15 hr clinical sessions/wk 3 unit					
7. Course administrator's name (mention all, if more than one name)					
Name: Assisst prof Dr Arwaa A Abed Abdul Hussein Email: dr.ir76@mu.edu.iq					
8. Course Objectives					
Course Objectives		<ul style="list-style-type: none"> • To know the most important dermatological diseases.... • How to diagnosed and treated the patients • How to take history and examine the patients 			
9. Teaching and Learning Strategies					
Strategy	To have knowldge and understandig of common skin diseases and sexually transmitted diseases.				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1wk	1hr	Knowldge and	1)Histology of skin	Data sheet theory a	Quiz Qutions

		<p>Understandig:</p> <p>The common skin diseases, sexually transmitted diseases and some rare skin disorders.</p> <p>Skills:</p> <p>To have professional skills to interpret the clinical picture of</p> <p>The common skin diseases,</p>	<p>2)Signs and symptoms of skin diseases.</p> <p>3)Eczema part 1.</p> <p>4)Eczema part 2.</p> <p>5)Acne and rosacea.</p> <p>6)Papulosquamous diseases part 1.</p> <p>7)Papulosquamous diseases part 2.</p> <p>8)Superficial fungal infections of skin.</p> <p>9)Bacterial</p> <p>11)viral infections of skin part 1.</p> <p>11)Bacterial and viral infections of skin part 2.</p> <p>12)Parasitic skin infestations.</p> <p>13)Connective tissue disorders part 1.</p>	<p>slides</p>	
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		<p>sexually transmitted diseases and some rare skin disorders and to diagnose them and have intellectual skill to treat them.</p>	<p>14)Connective tissue disorders part 2. 15)Pruritus. 16)Skin diseases caused by physical factors. 17)Urticaria 18)Genodermatoses part 1. 19) Genodermatoses part 2. 20) reactive erythema 21)Hair problem 1. 22)Hair problems. 2 23)Pigmentary skin disorders. 24)Bullous skin disorders. 25)Skin tumours. 26)Drug eruption 27)Phototherapy in</p>		
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			dermatology. 28)Nail disorders. 29)Cutaneous manifestations of systemic diseases part 1. 30)STD.		
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11. Course Evaluation

First semester test 10%. Mid year 20%, second semester 10%, clinical exam 10%, final exam 50% in addition to multiple quizzes

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Hunters clinical dermatology
Main references (sources)	Andrews textbook dermatology
Recommended books and references (scientific journals, reports...)	Rooks, JAAD, Archive dermatology
Electronic References, Websites	Dermnet.com

Course Description Form

1. Course Name: Computer					
2. Course Code:					
129GE04006					
3. Semester / Year:					
2025-2026					
4. Description Preparation Date:					
1\9\2025					
5. Available Attendance Forms:					
Dialy					
6. Number of Credit Hours (Total) / Number of Units (Total)					
30 hr theory /yr					
7. Course administrator's name (mention all, if more than one name)					
Name: m.barakat saad Email:					
8. Course Objectives					
Course Objectives			<ul style="list-style-type: none"> • • Training the student and develop his scientific abilities • • . Familiarity with the concept of Internet and its applications • • Providing the student with the sk of creating, editing and print documents..... 		
9. Teaching and Learning Strategies					
Strategy		<p>1- Developing students to adapt to the rapid changes in spec technologies in the field of information that characterize t era. 2- Developing students' ability to think scientific through problem-solving using computers</p>			
10. Course Structure					
Week	Hours	Required Learning	Unit or subject name	Learning method	Evaluation method

		Outcomes			
			Computer viruses Computer generations Introduction to computer Microsoft Office application Ways prevent computer viruses	Development of computer skills	

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)	Computer Systems
Main references (sources)	Computer Systems Architecture
Recommended books and references (scientific journals, reports...)	Introduction To Computing Systems
Electronic References, Websites	Computer Systems

Course Description Form

1. Course Name:	
Democracy and human rights	
2. Course Code:	
129B104007	
3. Semester / Year:	
2025–2026	
4. Description Preparation Date:	
1\9\2025	
5. Available Attendance Forms:	
Personal presence	
6. Number of Credit Hours (Total) / Number of Units (Total)	
60hour/4units	
7. Course administrator's name (mention all, if more than one name)	
Name: Eqtidar Mohsen Email: eqtidar.mohsen@mu.edu.iq	
8. Course Objectives	
Course Objectives	<p>At the end of the academic year, the student must be sufficiently aware of the following</p> <p>1_The nature of democracy and human rights</p> <p>2_The basic elements that must be present to achieve the true meaning of democracy.</p> <p>3_The general rights that constitute the structure of human rights and which they must enjoy.</p> <p>4_ The basic role of the state in implementing the stated basics in the field of democracy and human rights in theory on the ground.</p> <p>5_ Make the student realize his essential and effective role in achieving democracy and human rights in his country.</p>
9. Teaching and Learning Strategies	
Strategy	<p>In teaching the scientific material, a set of strategies were adopted in order to deliver the scientific material, which are:</p> <p>1- Dialogue and discussion strategy.</p> <p>2- Brainstorming strategy.</p>

3- Group work strategy: This strategy is carried out by assigning two more students to work on seminars, the titles of which are chosen from among the subject items specified by the Ministry.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or s*Public freedoms and human rights and the extent of their application in Iraqi society *The right to health care and respect for freedom *Human rights and freedoms in the divine religions and the Iraqi constitution *The medical profession (medical behavior, the most important characteristics that a doctor must possess, doctors and humanity, medical responsibility) *University student culture *The role of the state in providing full protection for	Learning method	Evaluation method

			the rights of its citizensubject name		
Every week	2hours	Make the student realize the importance and necessity of the enjoyment of public rights and freedoms as a human being, and his right to experience the features of democracy and the application of the features of democracy on the ground as a citizen living in a country with a democratic system. He makes him believe that human rights and democracy are two sides of the same coin, and the achievement of one is linked to the achievement of the other.	<p>*The nature of democracy and human rights</p> <p>*The legal nature of the medical contract and the most important obstacles that stand in the way of achieving democracy</p> <p>*Elements of the democratic style</p> <p>*General human rights and freedoms</p> <p>Legal obligations related to the patient's rights</p> <p>*Legal obstacles for the doctor and the patient</p> <p>Discussions about natural human rights in society</p> <p>*International human rights law</p> <p>*Discussions about health care</p> <p>*Human right to education</p> <p>*Physician compliance control</p> <p>*The impact of democracy on social life</p> <p>*The United Nations application of international human rights law</p>	Preparing scientific material to advance, having reviewed the student so that it can be discussed during the lecture, asking questions in order to know the extent of their responsibility to scientific material.	Student discussion, daily exam, report writing

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
 10 marks for each of the first and second semester, 20 marks for the mid-year exam, 60 marks for the final exam.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Book of International Human Rights Law Book of the Universal Declaration of Human Rights
Main references (sources)	The book on democratic transformation Iraq, democracy and its types, democracy and human rights, medical and education ethics for the patient and the doctor
Recommended books and references (scientific journals, reports...)	Human Rights Book by Hamid Hanouf Human Rights, the Development of Democracy, Its Implications and Protection by Riyadh Aziz, Human Rights Encyclopedia of International Law
Electronic References, Websites	https://www.ohchr.org/ar/ohchr_homepage

Course Description Form

1. Course Name:					
Ophthalmology					
2. Course Code:					
129B1040035					
3. Semester / Year:					
2026-2025					
4. Description Preparation Date:					
2025-9-1					
5. Available Attendance Forms:					
Daily					
6. Number of Credit Hours (Total) / Number of Units (Total)					
70h\3U					
7. Course administrator's name (mention all, if more than one name)					
Name: DR.rana dakhil nafea Email: rana-da07@mu.edu.iq					
8. Course Objectives					
Course Objectives		<ul style="list-style-type: none"> • Teaching student ba ophthalmology regarding anat •teaching student clin ophthalmology • .teaching student surg solutions for eye diseases.... 			
9. Teaching and Learning Strategies					
Strategy	<p style="text-align: center;">Explanation Dialogue and discussion Use references and sources Use modern teaching methods Assigning student to research papers</p>				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method

1	1	Medical professional conduct	Anatomy of eye	theory	Theoretical exam
2	1	Medical professional conduct	Physiology of the eye	theory	Theoretical exam
3	1	Medical professional conduct	Conjunctival disease	theory	Theoretical exam
4	1	Medical professional conduct	conjunctivitis	theory	Theoretical exam
5	1	Medical professional conduct	lid anatomy	theory	Theoretical exam
6	1	Medical professional conduct	lid diseases	theory	Theoretical exam
7	1	Medical professional conduct	lacrimal system anatomy	theory	Theoretical exam
8	1	Medical professional conduct	lacrimal system diseases		Theoretical exam
9	1	Medical professional conduct	cornea anatomy	theory	Theoretical exam
10	1	Medical professional conduct	corneal disses	theory	Theoretical exam
11	1	Medical professional conduct	keratoplasty	theory	Theoretical exam
12	1	Medical professional conduct	lens anatomy	theory	Theoretical exam
13	1	Medical professional conduct	cataract	theory	Theoretical exam
14	1	Medical professional conduct	refraction	theory	Theoretical exam
15	1	Medical professional conduct	orbital anatomy	theory	Theoretical exam
16	1	Medical professional conduct	orbital disses		Theoretical exam
17	1	Medical professional conduct	retinal anatomy		Theoretical exam
18	1	Medical professional conduct	diabetic retinopathy		Theoretical exam
19	1	Medical professional conduct	squint		Theoretical exam
20	1	Medical professional conduct	squint		Theoretical exam
21	1	Medical professional conduct	anatomy of trabecular meshwork		Theoretical exam

22	1	Medical professional conduct	glaucoma	theory	Theoretical exam
23	1	Medical professional conduct	glaucoma	theory	
24	1	Medical professional conduct	neurology	theory	Theoretical exam
25	2	Medical professional conduct	slit lamp examination	practical	
26	2	Medical professional conduct	refraction	practical	Clinical examination
	2	Medical professional conduct	trauma management	practical	
	2	Medical professional conduct	keratitis	practical	
	2	Medical professional conduct	squint	practical	
	2	Medical professional conduct	operation theatre	practical	
	2	Medical professional conduct	outpatient	practical	
	2	Medical professional conduct	outpatient	practical	
	2	Medical professional conduct	neuroophthalmolo	practical	

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student theory examination for 1st and 2nd term are 10 marks respectively while mid term exam is 20 mark the clinical exam is 10 marks and the final theory examination is 50 mark

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Kanski clinical ophthalmology
Main references (sources)	American academy of ophthalmology series
Recommended books and references (scientific journals, reports...)	Google scholar ,linked in
Electronic References, Websites	

Course Description Form

1. Course Name:					
Physiology					
2. Course Code:					
129B1040014					
3. Semester / Year:					
2025 – 2026					
4. Description Preparation Date:					
2/12/2025					
5. Available Attendance Forms:					
6. Number of Credit Hours (Total 240) / Number of Units (Total 12)					
7. Course administrator's name (mention all, if more than one name)					
Name: Prof. Dr. Wissam Sajid Hashim Al-Uboody Email: dr.w80@mu.edu.iq					
8. Course Objectives					
Course Objectives		<ul style="list-style-type: none"> – To develop an understanding of the functions of different body organs and systems. – To develop skills of observation, interpretation, and integration needed to analyze human normal and abnormal functions. 			
9. Teaching and Learning Strategies					
Strategy					
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
Every	Theory 4 hrs.	understand	Physiology	– Large group	Formative & summative

week	practice 4 hrs.	functions of different body organs and systems and the abnormal fluctuations which lead to malfunctions and diseases.		teaching. - Small group teaching - Practical session.	exam
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11. Course Evaluation

Distribution of score is 100% annual quest as (mid-year 20% , 20% for first and second semesters) , 60% for final exam(10% for practical exam , 50% for theoretical exam).

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	- Guyton and Hall Textbook of medical physiology, 15th Edition.
Main references (sources)	- Guyton and Hall Textbook of medical physiology, 15th Edition. - Ganong's Review of medical physiology, 26th Edition.
Recommended books and references (scientific journals, reports...)	Most recent editions of major sources and reliable internet sites.
Electronic References, Websites	https://www.us.elsevierhealth.com/medicine/physiology

Course Description Form

1. Course Name:	
Arabic	
2. Course Code:	
129B1040044	
3. Semester / Year:	
2026–2025	
4. Description Preparation Date:	
1\9\2025	
5. Available Attendance Forms:	
Personal presence	
6. Number of Credit Hours (Total) / Number of Units (Total)	
30 theoretical hours/2 units	
7. Course administrator's name (mention all, if more than one name)	
Name: Amenah Faraj Balkit Email: amna.faraj@mu.edu.iq	
8. Course Objectives	
Course Objectives	<ul style="list-style-type: none"> • For the student to learn the rules of the Arabic language... • • To learn to write correctly without spelling errors..... • • To learn the correct reading of the Holy Quran. And enriching linguistically through linguistic and literary information and rhetorical features in Holy Qur'an.....
9. Teaching and Learning Strategies	
Strategy	

Teaching the Arabic language relied on strategies including:
 1-Delivery strategy (lecture).
 2-Dialogue and discussion strategy.
 3-Brainstorming strategy

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
Every week	One hour theoretical	The student must be proficient in Arabic language and able to write reports in Arabic in correct and correct language and spelling, and that the student should be fluent and free of linguistic lapses, especially in seminars and conferences in which he participates in the	-The emergence of linguistic studies - Original and secondary grammatical signs. - Abbasid literature and examples of its writers - Types of hamzas (extreme and moderate) - Punctuation marks - Number and countable nouns - Anna and her sisters - No, it does not deny sex - Abu Nawas,		

		future	his life and poetry. - The Arabized and the built - was and her sisters - object -Prose in the Abbasid era -Al-Jahiz		
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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 10 marks for the first semester, 20 marks for the mid-year, 10 marks for the second semester, and 60 marks for the final year..... etc

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	nothink
Main references (sources)	Explanation of Ibn Aqe Qatar Al-Nada, Abbas Literature
Recommended books and references (scientific journals, reports...)	Clear grammar by Ali Jarim and Mustafa Am adequate grammar by Abb Hassan
Electronic References, Websites	Some electronic librari such as the comprehensi library, Al-Nour library, a Lisan Al-Arab library.

Course Description Form

1. Course Name:					
Parasitology					
2. Course Code:					
129B1050018					
3. Semester / Year:					
2025–2026					
4. Description Preparation Date:					
27\11\2025					
5. Available Attendance Forms:					
Daily					
6. Number of Credit Hours (Total) / Number of Units (Total)					
60hr/6 Unit					
7. Course administrator's name (mention all, if more than one name)					
Name: Prof. Dr. Osamah Faisal Kokaz Prof. Dr. Abeer Mohammed Ali Assist. Prof. Dr. Zahraa Abdulhamza Abass Email: ussama.faisal@mu.edu.iq Zahraa.abbass@mu.edu.iq Aliabber297@mu.edu.iq					
8. Course Objectives					
Course Objectives	<ul style="list-style-type: none"> • Teaching students about diagnosing parasites and their life cycle • Use the appropriate treatment for each group and type • The importance of preventing parasitic infections and educating the community patients in particular 				
9. Teaching and Learning Strategies					
Strategy	The explanation Brainstorming Dialogue and discussion Use references and sources Using modern teaching methods Assigning students to seminar prepare				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method

1	4	Cognitive medical field And the skills	Introduction parasitology	a lecture And discuss	Mutual dialogue
2	4	Cognitive medical field And t skilled	Entamoeba histolytica	a lecture And discuss	Mutual dialogue
3	4	Cognitive medical field And t skilled	other amoebae and-free-living parasites	a lecture And discuss	quiz
4	4	Cognitive medical field And t skilled	Blastocystis homini Balantidium coli	a lecture And discuss	Mutual dialogue
5	4	Cognitive medical field And t skilled	Flagellates , intestinal flagellate	a lecture And discuss	Mutual dialogue
6	4	Cognitive medical field And t skilled	Blood and tissue flagellates	a lecture And discuss	Mutual dialogue
7	4	Cognitive medical field And t skilled	Sporozoa, malaria	a lecture And discuss	quiz
8	4	Cognitive medical field And t skilled	Toxoplasma gondii	a lecture And discuss	Mutual dialogue
9	4	Cognitive medical field And t skilled	Isospora and Sarcocystis	a lecture And discuss	Mutual dialogue
1	4	Cognitive	Introduction	a lecture	Mutual

		medical field And t skilled	to cestodes	And discuss	dialogue
1	4	Cognitive medical field And t skilled	Taenia spp.	a lecture And discuss	Mutual dialogue
1	4	Cognitive medical field And t skilled	First exam. (lecture 1 to 12)	exam	Semester exam
1	4	Cognitive medical field And t skilled	Echinococcus spp.	a lecture And discuss	Mutual dialogue
1	4	Cognitive medical field And t skilled	Hymenolepis spp.	a lecture And discuss	Mutual dialogue
1	4	Cognitive medical field And t skilled	Other cystodes	a lecture And discuss	quiz
1	4	Cognitive medical field And t skilled	Introduction trematodes	a lecture And discuss	Mutual dialogue
1	4	Cognitive medical field And t skilled	Two we holiday	a lecture And discuss	Mutual dialogue
1	4	Cognitive medical field And t skilled	Intestinal flukes	a lecture And discuss	Mutual dialogue
1	4	Cognitive medical field And t skilled	Liver flukes	a lecture And discuss	quiz
2	4	Cognitive medical field And t skilled	Blood flukes	a lecture And discuss	Mutual dialogue

2	4	Cognitive medical field And t skilled	Introduction nematodes	a lecture And discuss	Mutual dialogue
2	4	Cognitive medical field And t skilled	Hook worms	a lecture And discuss	Mutual dialogue
2	4	Cognitive medical field And t skilled	Trichuris trichura	a lecture And discuss	quiz
2	4	Cognitive medical field And t skilled	Enterobius vermicularis	a lecture And discuss	Mutual dialogue
2	4	Cognitive medical field And t skilled	Trichinella spiralis	a lecture And discuss	Mutual dialogue
2	4	Cognitive medical field And t skilled	Strongloides stercoralis	a lecture And discuss	Mutual dialogue
2	4	Cognitive medical field And t skilled	Filarial worms	a lecture And discuss	Mutual dialogue
2	4	Cognitive medical field And t skilled	Introduction medical Entomolo Biting dipterans	a lecture And discuss	Mutual dialogue
2	4	Cognitive medical field And t skilled	second exam 15-	exam	Second semester exam
3	4	Cognitive medical field And t skilled	Mosquitoes blackflies	a lecture And discuss	Mutual dialogue
3	4	Cognitive medical field And t	Sand fly, Tsetse Tabanid f Nonbiting dipteran	a lecture And discuss	Mutual dialogue

skilled

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 . quizzes (10), Mutual dialogue (10) semester exams (80).

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	Paniker 's Textbook Medical Parasitology
Recommended books and references (scientific journals, reports...)	https://www.sciencedirect.com
Electronic References, Websites	https://www.cdc.gov/dpdx https://www.who.int .

Course Description Form

1. Course Name:					
Biochemistry					
2. Course Code:					
129B1011001					
3. Semester / Year:					
1&2/ 2026–2025					
4. Description Preparation Date:					
1\9\2025					
5. Available Attendance Forms:					
Traditional class attendance					
6. Number of Credit Hours (Total) / Number of Units (Total)					
150 hrs(3 theoretical+ 2 practical)/8					
7. Course administrator's name (mention all, if more than one name)					
Name: Dr. Hayder Hussein Abed Email: Hayderhussein862@mu.edu.iq					
8. Course Objectives					
Course Objectives			<ul style="list-style-type: none"> Teaching the fundamental chemical principle including the structure and molecular function of bio-compounds. Explaining the process of digestion and absorption of biomolecules Clarifying the importance of enzymes Chemical Reactions in the Body and Their Impact on Health and Diseases 		
9. Teaching and Learning Strategies					
Strategy		<ol style="list-style-type: none"> 1- Laboratory Experiments to Apply Theoretical Concepts 2- Encouraging students to actively participate in discussions 3- Utilizing illustrations, graphs, and simulations to clarify chemical concepts 4- Using multiple books, scientific references, and online resources 5- Stimulating discussions on the medical applications of biochemistry 			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	5 per week	Introduction to biochemistry	Introduction		
2		Carbohydrate (structure and function)	Carbohydrate (structure and function)		
3		Protein structure	Protein		

4		Lipid structure	Lipid		
5		Nucleic acids	Nucleic acid		
6		CHO. Metabolism	Glycogen metabolism		
7		CHO metabolism	Glycolysis		
8		CHO Metabolism	Krebs cycle		
9		CHO Metabolism	Energy and Oxidation		
10		Enzymes	Enzymes		
11		Vitamins	Lipid soluble Vits.		
12		Vitamins	Water soluble vits		
13		Trace Elements	Fe, Mg, Ca, Na, K		
14		Discussion			
15		Exam			

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

- 1- 10% attendance
- 2- 30% practical lab
- 3- 30% med exam
- 4- 20% quizzes
- 5- %10 orally exam and discussion

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Harper's Illustrated Biochemistry, Twenty-Sixth Edition by Robert K. Murray et al. 2003
Main references (sources)	Lippincott , Illustrated Review Biochemistry, Seventh Edition Williams & Wilkins , 2017
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name: Principles of Medicine					
2. Course Code:					
129B104005					
3. Semester / Year: Second /					
2026–2025					
4. Description Preparation Date:					
1\9\2025					
5. Available Attendance Forms: In person attendance					
6. Number of Credit Hours (Total) / Number of Units (Total)					
30 / 2					
7. Course administrator's name (mention all, if more than one name)					
Name: Prof. Dr. Wissam Sajid Hashim Al-Uboody Email: dr.w80@mu.edu.iq					
8. Course Objectives					
Course Objectives	<ul style="list-style-type: none"> 1– Teaching students the terminology. 2– Training the students on first aids cases. 3– Teaching the students the different forms and terms of health. 				
9. Teaching and Learning Strategies					
Strategy	<ul style="list-style-type: none"> 1. The explanation 2. Brainstorming 3. Dialogue and discussion 4. Use references and sources 5. Using modern teaching methods 6. Assigning students to seminar prepare 				
10- Course Structure					
Week	Hours	Required learning outcomes	Unit or Subject name	Learning method	Evaluation method
1	1	Cognitive and skilled medical field.	Secondary health	Lecture and discussion	Mutual dialogue
2	1	Cognitive and skilled medical field.	Tertiary health	Lecture and discussion	Mutual dialogue
3	1	Cognitive and skilled medical field.	Quaternary health	Lecture and discussion	Mutual dialogue
4	1	Cognitive and skilled	prevention	Lecture and	Mutual dialogue

		medical field.		discussion	
5	1	Cognitive and skilled medical field.	Preventive medicine	Lecture and discussion	Mutual dialogue
6	1	Cognitive and skilled medical field.	Types of prevention	Lecture and discussion	Mutual dialogue
7	1	Cognitive and skilled medical field.	Modes of disease transmittion	Lecture and discussion	Mutual dialogue
8	1	Cognitive and skilled medical field.	Terminology	Lecture and discussion	Quiz
9	1	Cognitive and skilled medical field.	First Aids	Lecture and discussion	Mutual dialogue
10	1	Cognitive and skilled medical field.	Epistaxis	Lecture and discussion	Mutual dialogue
11	1	Cognitive and skilled medical field.	Choking	Lecture and discussion	Mutual dialogue
12	1	Cognitive and skilled medical field.	Epilepsy	Lecture and discussion	Mutual dialogue
13	1	Cognitive and skilled medical field.	Electric shock	Lecture and discussion	Mutual dialogue
14	1	Cognitive and skilled medical field.	Fracture	Lecture and discussion	Mutual dialogue
15	1	Cognitive and skilled medical field.	Exam	Lecture and discussion	Month Exam

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 any)	1- Textbook of Terminology 2- First Aids Book
Main references (sources)	1- Textbook of Terminology 2- First Aids Book
Recommended books and references (scientific journals, reports...)	1- Textbook of Terminology 2- First Aids Book
Electronic References, Websites	https://safetytrainingpros.com/wpcontent/uploads/2015/10/American-Red-Cross-First-Aid-CPR-AED-Participants-Manual.pdf

