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 (The college has one department)

Name: InceMohammed Nouri

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:

جامعة المثنى
العمادة
كلية الطب

Approval of the Dean

Assist. Proff. Zaid Ali Majeed

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 academic program at the College of Medicine aims to prepare graduates who possess foundational medical and clinical knowledge, as well as the professional skills required to deliver safe and effective healthcare in accordance with approved scientific and ethical standards. This is achieved through a modern educational environment that supports lifelong learning, critical thinking, and teamwork. The program also seeks to promote medical scientific research and align its outcomes with the needs of the healthcare community, thereby contributing to the improvement of health services and community well-being.

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.

4.Program Accreditation	Notes
Yes	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

2- **Program Structure**				
Program Structure	**Number of Courses**	**Credit hours**	**Percentage**	**Reviews***
Institution Requirements	5	16	6.1%	
College Requirements	4	112	43.2%	
Department Requirements	37	120	46.3%	
Summer Training	There is training for sixth stage students only			
Other				

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

3- 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	-

4- Expected learning outcomes of the program

Knowledge

A1. Explain the fundamental principles of medical sciences (anatomy, physiology, biochemistry, pathology, and microbiology) and relate them to clinical applications.

A2. Explain disease mechanisms, the diagnosis of common diseases, and methods of prevention and treatment according to modern scientific principles.

A3. Apply fundamental medical knowledge in analyzing health problems and making initial medical decisions in clinical settings.

A4. Explain the principles of scientific research and the use of modern medical resources in developing professional knowledge and lifelong learning.

Skills

B1. Perform clinical examination, medical history taking, and systematic assessment of the patient's health condition.

B2. Interpret laboratory, radiological, and clinical findings to support initial medical diagnosis.

B3. Apply critical thinking and problem-solving skills in dealing with various clinical cases.

B4. Communicate effectively with patients, their families, and healthcare team members and work within a multidisciplinary team.

Ethics

C1. Adhere to medical ethics, standards of professional conduct, and respect patient privacy and confidentiality.

C2. Demonstrate professional and humanitarian responsibility in dealing with patients and different community groups.

C3. Commit to self-directed learning, continuous professional development, and keeping up with medical advances.

C4. Participate in promoting health awareness, community service, and collaborative teamwork.

5- 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

6- 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 .

7- 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
30Lecturer	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.

8- **Acceptance Criterion**
According to the instructions of the Ministry of Higher Education and Scientific Research

.13 **The most important sources of information about the program**
1. Ministry of Higher Education and Scientific Research 2. Deans' Committee

9- Program Development Plan
1. Develop students' basic and clinical medical knowledge by integrating courses in basic medical sciences (Anatomy, Physiology, Biochemistry, Microbiology, and Pathology) with clinical courses (Internal Medicine, Surgery, Pediatrics, and Obstetrics & Gynecology), in order to achieve a scientific understanding of disease mechanisms, diagnosis, and treatment. Objective Type: Cognitive. 2. Enhance students' clinical and laboratory skills through practical training and clinical practice in teaching hospitals, including medical history taking, clinical examination, interpretation of laboratory investigations, and primary medical decision-making according to modern scientific standards. Objective Type: Psychomotor. 3. Promote critical thinking and medical problem-solving skills through case-based learning and by linking theoretical knowledge with practical application across different academic courses. Objective Type: Cognitive / Psychomotor. 4. Develop students' professional values and medical ethics, including patient respect, medical confidentiality, teamwork, and commitment to professional

conduct during clinical training.

Objective Type: Affective.

5. Prepare qualified graduates capable of pursuing postgraduate studies and keeping pace with modern medical developments through the enhancement of scientific research skills, analytical abilities, and the use of up-to-date medical resources within academic courses.

   Objective Type: Cognitive / Psychomotor.

6. Continuously improve the academic program through collecting feedback from students, graduates, and faculty members, analyzing evaluation outcomes, and linking them to updates in scientific content, teaching methods, and assessment strategies.

   Objective Type: Affective / Institutional Supportive to the Educational Process.

7. Promote self-directed learning and continuous professional development among students by encouraging the use of medical databases and updated references and integrating them into academic courses and clinical training.

   Objective Type: Cognitive / Affective.

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

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

		Rights													
	129B1040014	Physiology	**Basic**		**x**								**x**		
	129B1040015	Baath Regime Crimes	**Basic**		**x**										**X**
Third	129CH010016	Pharmacology	**Basic**			**x**				**x**					
	129B1050017	Medical Microbiology	**Basic**			**x**				**x**					
	129B1050018	Parasitology	**Basic**				**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**		
	129B1020029	Pathology	**Basic**				**x**			**x**				**x**	
	129B1020030	Medical ethics	**Basic**		**x**										**x**
Fifth	129B1020032	Internal medicine	**Basic**			**x**			**x**				**x**		
	129B1040031	Surgery	**Basic**				**x**			**x**			**x**		
	129B1020033	Psychiatry	**Basic**		**x**					**x**				**x**	

	129B1040034	Dermatology	**Basic**				**x**		**x**				**x**		
	129B1040035	Ophthalmology	**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**	

		Gynaecology													

- **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	• **Menstrual cycle, physiology menstrual cycle, menstr disturbances, congen anomalies, infertil contraception, types of gen tract cancers, genital tr infection**
9. Teaching and Learning Strategies	
Strategy	Large group-theortical lectures Small group-clinical sessions

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
	2hour	Understanding norr	**Menstrual cyc**	Large groups	Formative

		and abnorr hormonal physiology menstrual cyc diagnosis of infertil and its manageme How to select prop type of contracepti types of genital tr cancers	**physiology of menstr cycle, menstr disturbances, conger anomalies, infertil contraception, types genital tract cance genital tract infection**		Summative ex

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)	Gynecologyby ten techears
Main references (sources)	
Recommended books and references (scientific journals, reports…)	Update academic websits
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 professio medical behavior.. - • State and doctors' union laws..... - .A skilled doctor who serves country and his people	• تعليم الطالب السلوك المهني الطبي.... • القوانين الدولة والنقابة الاطباء... • طبيب ماهر يخدم بلده وابناء بلده • المؤساة 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 تليف الطلبة بأوراق بحثية

10. Course Structure

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

				ضرة ناقشة	
الاول	1	علم الاجنه	introduction-1	محاضرة ومناقشة	شاركة يومية
الثاني	1	علم الاجنه	Gametogenesis	محاضرة ومناقشة	شاركة يومية
الثالث	1	علم الاجنه	Spermatogenes	محاضرة ومناقشة	متحان يومي
الرابع	1	علم الاجنه	Ovulation	محاضرة ومناقشة	شاركة يومية
الخامس	1	علم الاجنه	Fertilization	محاضرة ومناقشة	شاركة يومية
السادس	1	علم الاجنه	Development1	محاضرة ومناقشة	شاركة يومية
السابع	1	علم الاجنه	Development2	محاضرة ومناقشة	متحان يومي
الثامن	1	علم الاجنه	Placenta	محاضرة ومناقشة	شاركة يومية
التاسع	1	علم الاجنه	Embryonic per	محاضرة ومناقشة	شاركة يومية
العاشر	1	علم الاجنه	gastrolation	محاضرة ومناقشة	متحان يومي
الحادي عشر	1	علم الاجنه	gastrolation	محاضرة ومناقشة	شاركة يومية
الثاني عشر	1	علم الاجنه	defect	محاضرة ومناقشة	شاركة يومية
الثالث عشر	1	علم الاجنه	Blastocyte	محاضرة ومناقشة	شاركة يومية
الرابع عشر	1	علم الاجنه	Congenital	محاضرة ومناقشة	شاركة يومية
الخامس عشر	1	علم الاجنه	Semenae-1	محاضرة ومناقشة	شاركة يومية

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 المكلف بها الطالب مثل التحضير اليومي والامتحانات اليومية والشفوية 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 lin lower limb, gastric system, urina system, blood system
Recommended books and references (scientific journals, reports…)	لات النقابة الاطباء والكليات الطبية العراقية والاجنبية
Electronic References, Websites	راجع العلمبة ، 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

Medical microbiology focuses on m diseases caused by microorganis (bacteria, viruses, immunity, fungi	1. **Cognitive objectives** **• 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 v scientific facts.** **• –Encouraging students to conclude and interpret the res 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 me diseases caused microorganisms (bacteria, viruses, immunity, fungi	Medical microbio	1-Large group teaching 2- Small group teaching 3- Practical session	Formative a 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, Presco
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	**eaching the student** **fessional medical behavior..** **• State and doctors' union laws.....** **.**A skilled doctor who serves his country a his people

9. Teaching and Learning Strategies

Strategy	Teaching and giving the way to a successful doctor, armed w scientific information, theoretical and practical medical experien 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

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 Ham 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-Dir 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	– 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 sessi	

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/Americ 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	**By the end of the course, students should be able to:** **1. Explain the basic principles of diagnostic radiology 2. Describe the differ types of radiographic techniques and their clinical applications 3. Interp radiographic images and identify common pathologies 4. Demonstrate so proficiency in observing radiographic procedures 5. Understand the ri associated with radiation exposure and apply appropriate**

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 coarse (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	**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 ost and the laboratory data of a patient, to determine the likely diagnosis and explain the pathoge nesis of the disease.** •

9. Teaching and Learning Strategies

Strategy	

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
Every week	theory4hr. 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 ma sources and reliable internet sites
Electronic References, Websites	Web path/google Pathology online ppt. lectures a vedios

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: hussein.thair@mu.edu.iq Hussein.alburkat@mu.edu.iq

8. Course Objectives	
Course Objectives Human Biology is designed to achieve t following objectives for the benefit of t students involved:	1- Description the human body at the level of molecules, cells, tissue and systems, and apply this understanding to human function. 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. 3- Applying knowledge of biosafety principles, biological agent classification systems, biological hazards and containment levels.

9. Teaching and Learning Strategies	
Strategy	Group discussion strategy Active learning strategy

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, 201 by Peter Snustad and Michael J. Simmo Cell Biology, Fourth Edition 20 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	• **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	1. Explanation 2. Brainstorming 3. Dialogue and discussion 4. Use references and sources 5. 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	Pectoreal 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,Richards,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	• **To learn student how to t and diagnose surgical ca specially in emergency unit….** • ….. • …..

9. Teaching and Learning Strategies	
Strategy	Lectures Practical sessions discussion

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-8	14hs	Learn how diagnose and tr surgical cases	Esophageal and gastric Disease		

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

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

Course Description Form

1. Course Name:
Forensic medicine
2. Course Code: 129B1020028
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
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
8. Course Objectives

Course Objectives	**At the end of the course the student is supposed to acquire fundamental sk in the following respects:** **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 fr 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 the labs.** **5. How to perform a postmortem examination.** **6. How to write a medico-legal report.**

9. Teaching and Learning Strategies

Strategy	Large groups – theoretical lectures Small groups – discussion and seminars Clinical sessions

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
Every week	2 h theory 2 h practical session	It deals with examination of the liv individuals, such as ca of sexual offences, wo certificate, age estimat etc. Forensic pathology deals with interpreta of autopsy findings in medicolegal investiga of death (fore thanatology — Study death)	Introduction to forensic pathology • definition, medico-legal systems, • how of examine a medico-legal case, • how to perform medico-legal autopsy. Postmortem artifacts, Autopsy report • Patho-physiology 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%therory 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

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	• **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 Hum 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 a diagnosis

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
Every week	1 hour Theory 12practic		Rhinology: 6 Allergic Rhinitis. : pisa Otology: • Anatomy of ear & physiology of hearing		

			• Diseases of the external ear. • Non suppurative otitis media. • Facial n. / anatomy & lesions. Laryngology • Anatomy & Physiology of Larynx. • Cong. Anomalies of Larynx. • Trauma of Larynx. • Tumors of Larynx. • Management of Upper Airways Obstruction. • Anatomy & physiology of the pharynx. • Diseases of the tonsil. • Adenoid hypertrophy & adenoidectomy. • Pharyngitis • Anatomy & infection of the neck spaces • Neck mass. • Foreign bodies in otolaryngology		

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	• **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
Ev we	1		Learning **Cardiovascular diseas Gastrointestinal and li diseases Respiratory diseases Renal diseases Endocrine diseases Diabetes**	ectures Clinical session	Term exam. Mid-term exam. linical exam.

11. Course Evaluation

10 marks first term
10 marks second term
20 mid-year examination
20 clinical examination
40 final theory examination

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Davidson's principles and pract 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	• **Physiological changes dur pregnancy** • **Labour and malpresentation** • **Medical diseae dur pregnancy**….. • **Other complication antepart and postpartum**….. • …..

9. Teaching and Learning Strategies	
Strategy	Large group-theortical lectures Small group-clinical sessions

10. Course Structure

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

	2hour	Diagnosis of pregnan And its management And labour a complication pregnancy and labou	Diagnosis of pregnanc Physiological changes Medical diseases Labour a malpresentation Antepartum and Postpartum complication	Large groups	Formative Summative exa

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 5th year +132 hours for 6th 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	• **By the end of the course students should be able to** • **.1Dealwith ergent cases casuality(diagnosis&treatment** • **2follow & manage cases in ward** • **.3Do simple orthope procedures like casting&tracti** • ..... • .....

9. Teaching and Learning Strategies	
Strategy	1. Lectures 2. Small group teaching 3.seminard 4. O patients examination &treatments 5. Observations operative procedures in theater

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Diagnosis ofractu	Principal of frac	Lecture	Quiz
2	2	Open fracture tt	Diagnosis &tt	Lecture	Clinical
3	2	Hip&femur traum	Management	Lecture &	assessment
4	2	Shoulder&humeru trauma	cases Fractures	rays Lecture	Written Examination
5	2	Differentiating children fractures	&dislocation Classification &Dx	Lecture	
6	2	Preventio& Dx		Lecture	
7	2	OA Dx&tt	Complications of#	Lecture	
8	2	Definition & mana	Osteoarthritis	Lecture	
9	2	Dx of foot disorde	Amputation Cong.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 orthope &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	**The course aims to enable students to understand the historical and political contex 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 develo students' research, analytical, and critical thinking skills, and to equip them with the ability to produce accurate reports and studi on the regime's crimes. In addition, the cour promotes awareness of human rights and ethical values, fosters civic and democratic principles, and encourages tolerance and responsible citizenship.effectively recognize human freedoms cannot be overlooked.**

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 m 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 citizensubject name**		
Every week	2hoursss	The student should able to interpret historical and politi context of the Ba' regime and its imp on society, identify types of crimes a violations commit by the regime agai individuals a groups, and analy the le andpoliticalmechani ms it employed controlsocietyand silence opposition. T student will also able to evaluate effects of the regim crimes international l human rights, and c society, and ap research and criti analytical skills wh examining histori documents a testimonies related these crimes. addition, the stud will be capable producing organiz and well-documen reports and stud	*Crimes of the Ba'ath regime in Iraq accord 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 internation crimes – decisions issued by the Iraqi Hi Criminal Court *Psychological and social crimes and thei effects, and the most prominent violations committed by the Ba' regime in Iraq *Psychological crimes and their impacts – mechanisms of psychological crimes *The mechanism of impoverishment and starvation – psychological pressur and punishment mechanisms *Mechanisms of ethni and sectarian cleansi – mechanisms of scientific and cultural	Preparing scientific material advance, hav it reviewed the students, that it can discussed dur the lecture, a asking questi in order to kn the extent their response the scient material.	Student discussi daily exam, rep writing

		that reflect understanding of causesandconsequences of these crimes. The student willfurther demonstrateawareness of the ethical values and human rights that wereviolated,and show the ability to adopt civic and democratic principles and participate effectively inanalyticaldiscussions regarding the impact of the regime's crimes and the lessons to be learned from them	impoverishment *Social crimes (militarization of society) *The Ba'ath regime's stance toward religion 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 Jasek River and the burning 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		
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)	
Main references (sources)	Book of theories of public freedoms, intellect 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 dive publications (books, dissertations, univers 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	• **To know the most import dermatological diseases….** • **How to diagnosed and t the patients** • **How to take history and ex the patients**
9. Teaching and Learning Strategies	
Strategy	To have knowldge and understandig of common sk diseases and sexualy 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 sh theory a	Quiz Qutions

		Understandig: The common skin diseases, sexualy transmitted diseases and some rare skin disorders. Skills: To have professional skills to interpret the clinical picture of The common skin diseases,	2)Signs and symptoms of skin diseases. 3)Eczema part 1. 4)Eczema part 2. 5)Acne and rosacea. 6)Papulosquamous diseases part 1. 7) Papulosquamous diseases part 2. 8)Superficial fungal infections of skin. 9)Bacterial 11)viral infections of skin part 1. 11) Bacterial and viral infections of skin part 2. 12)Parasitic skin infestations. 13)Connective tissue disorders part 1.	slides	

		sexualy transmitted diseases and some rare skin disorders and to diagnose them and have intellectual skill to treat them.	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		

			dermatology. 28)Nail disorders. 29)Cutaneous manifestations of systemic diseases part 1. 30) STD.		

11. Course Evaluation

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

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	• **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	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 scientifica through problem-solving using computers

10. Course Structure

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

		Outcomes			
			Computer viruses Computer generations Introductio to compute Microsoft Office application Ways prevent computer viruses	Developme of compu 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	**At the end of the academic year, the student mus be sufficiently aware of the following** **1_The nature of democracy and human rights** **2_The basic elements that must be present to achieve the true meaning of democracy.** **3_The general rights that constitute the structur of human rights and which they must enjoy.** **4_ The basic role of the state in implementing th stated basics in the field of democracy and huma rights in theory on the ground.** **5_ Make the student realize his essential a effective role in achieving democracy and hun rights in his country.**
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 more students to work on seminars, the titles of which are chosen fr 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 stude realize t importance a necessity of enjoyment of pub rights a freedoms as human being, a his right experience t features democracy and s the features of application on t ground as a citiz living in a coun with a democra system. He ma him believe th human rights a democracy are tv sides of the sa coin, and t achievement of o is linked to t achievement of t other.	*The nature of democracy and human rights *The legal nature the medical contra and the most important obstacle that stand in the w of achieving democracy *Elements of the democratic style *General human rights and freedom Legal obligations related to the patient's rights *Legal obstacles fo the doctor and the patient Discussions about natural human rights in society *International human rights law *Discussions abou health care *Human right to education *Physician compliance contro *The impact of democracy on soci life *The United Natio application of international huma rights law	Preparing t scientific material advance, having reviewed the studen so that it c be discuss during t lecture, a asking questions order to kn the extent their respon to t scientific material.	Student discussion, da exam, repo 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 La Book of the Universal Declaration of Hum Rights
Main references (sources)	The book on democratic transformation Iraq, democracy and its types, democra and human rights, medical and educatio ethics for the patient and the doctor
Recommended books and references (scientific journals, reports…)	Human Rights Book by Hamid Hanou Human Rights, the Development Democracy, Its Implications and Protecti by Riyad Aziz, Human Rights Encyclope of International Law
Electronic References, Websites	https://www.ohchr.org/ar/ohchr_homep e

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	• **Teaching student ba ophthalmologyregarding anatc ,physiology…..** • **…..teaching student clin ophthalmology** • **.teaching student surg solutions for eye diseases….**

9. Teaching and Learning Strategies	
Strategy	Explanation Dialogue and discussion Use references and sources Use modern teaching methods Assigning student to research papers

10. Course Structure

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

1	1	Medical professional conduct	Anatomy of t eye	theory	Theoreti exam
2	1	Medical professional	Physiology of the eye	theory	Theoretical exam
3	1	conduct	Conjunctival disease	theory	Theoretical exam
4	1	Medical professional	conjuctivitis	theory	Theoretical
5	1	conduct	lid anatomy	theory	exam
6	1		lid diseses	theory	Theoretical
7	1	Medical professional	lacrimal system anatomy	theory	exam Theoretical
8	1	conduct	lacrimal system diseases		exam
9	1	Medical professional conduct	cornea anatomy	theory	Theoretical exam
10	1	Medical professional	corneal disses	theory	Theoretical exam
11	1	conduct	keratoplasty	theory	Theoretical exam
12	1	Medical professional conduct	lens anatomy	theory	Theoretical exam
13	1	Medical professional	cataract	theory	Theoretical exam
14	1	conduct	refraction	theory	Theoretical exam
15	1	Medical professional conduct	orbital anatomy	theory	Theoretical exam
16	1	Medical professional conduct	orbital diseses		Theoretical exam
17	1	Medical professional	retinal anatomy		Theoretical exam
18	1	conduct	diabetic retinopathy		Theoretical exam
19	1	Medical professional	squint		Theoretical exam
20	1	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		glaucoma	theory	
24	1	Medical professional conduct	neurology	theory	Theoretical exam
25	2		slit lamp examination	practical	**Clinical examination**
	2	Medical professional conduct	refraction	practical	
	2		trauma management	practical	
	2	Medical professional conduct	keratitis	practical	
26	2	Medical professional conduct	squint	practical	
	2		operation theatre	practical	
	2	Medical professional conduct	outpatient	practical	
	2		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 is20 mark the clinical exam is 10 marks and the final theory examination is50 mark

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Kanski clinical ophthalmology
Main references (sources)	American academy of ophthalmolo 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	– To develop an understanding of the functions of different body organs a 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 boc organs and systems and th abnormal fluctuations wh lead to malfunctions a diseases.		teaching. - Small group teaching - Practical session.	exam

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:
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	• Teaching the fundamental chemical princip including the structure and molecular functior bio-compounds. • Explaining the process of digestion and absorpt of biomolecules • Clarifying the importance of enzymes • Chemical Reactions in the Body and Their Imp on Health and Diseases

9. Teaching and Learning Strategies	
Strategy	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 2 3	5 per week	Introduction to biochei Carbohydrate (structu Protein structure	Introduction Carbohydrate (structur 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 Reviev Biochemistry, Seventh Editi Williams & Wilkins , 2017
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

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	• **For the student to le the rules of the Ara language…** • **• To learn to w correctly without spell errors…..** • **• To learn the corr reading of the H Quran. And enriching linguistically throu linguistic and liter information a 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 ho theoretica	The stude must proficient in language and able write reports Arabic in correct a correct language and spelling, and that language when speaking should fluent a free linguistic lapses, especially in semina and conferenc in which participat in the	-The emergenc of linguist studies - Original and secondary grammati signs. -Abbasid literature and examples its writers - Types of hamzas (extreme and moderate) - Punctuati marks - Number and countable -Anna a 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		

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, Abba 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.