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

2024

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\2023

File Completion Date: 20\2\2024

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: 28\2\2024
Signature:

Approval of the Dean

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Head of Department	**Scientific Associate Name**: **Ince Mohammed**
Name:	**Nouri**
Date:	**Date**:

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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	
First			**Theoretical hr/year**	**Practical hr/year**
		Medical Chemistry	90	60
		Medical Physics	45	60
			30	-
		Human anatomy	120	60
		Medical Biology	60	60
		Principles of Medicine	30	-
		Computer science	30	60
		Democracy and human rights	60	-
		English language	30	-
		Arabic language	30	-

Second				
		Human Anatomy	90	120
		Medical Biochemistry	90	60
		Histology	60	60
		Embryology	30	-
		University Culture and Freedom Rights	60	-
		Physiology	120	60
Third				
		Pharmacology	90	60
		Medical Microbiology	90	60
		Parasitology	60	60
		Community Medicine	30	30
		Internal medicine	60	60
		Surgery	30	-
		Pathology	60	60
Fourth		Internal medicine	132	80
		General surgery	96	80
		Pediatrics	45	80
		Obstetrics	60	80
		Community medicine	90	120
		Forensic medicine	60	60
		Pathology	60	60
		Behavioral science	30	-
		Medical ethics	15	-
Fifth		Internal medicine	60	120
		Surgery	82	115
		Psychiatry	45	45
		Dermatology	30	30
		Ophthalmology	30	40

		ENT	30	40
		Pediatrics	60	72
		Gynecology	60	45
		Radiology	20	15
Sixth stage				
		Internal medicine	30	300
		Surgery	132	80
		pediatrics	30	150
		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	Orthopedics and			1	

	and surgery	traumatology				
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. Assistant Professor	Biology	Animal physiology			1	
9.Assistant Professor	Physics	Medical physics			1	
10. Assistant Professor	General medicine and surgery	Internal Medicine			2	
11. Assistant Professor	General medicine and surgery	ENT			1	
12. Assistant Professor	Biology	Microbiology			4	
13. Assistant Professor	Biology	Parasites			1	
14. Assistant Professor	Biology	Molecular genetics			1	
15. Assistant Professor	General medicine and surgery	Histopathology			1	
16. Assistant Professor	General medicine and surgery	Pathology			1	
17. Assistant	General medicine	Cardiology			1	

Professor	and surgery					
18. Assistant Professor	General medicine and surgery	Neurology			2	
19. Assistant Professor	General medicine and surgery	Ophthalmology			1	
20. Assistant Professor	General medicine and surgery	Nephrology and surgery			1	
21. Assistant Professor	General medicine and surgery	Urology			2	
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. Ph.D	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 and surgery	Diagnostic ray			1	
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. Assistant lecturer	Biology	Microbiology			4	
40. Assistant lecturer	General medicine and surgery	Diagnostic ray			1	
41. Assistant lecturer	Modern and contemporary history	Contemporary history of Iraq			1	
42. Assistant lecturer	Physical education and sports sciences	Methods of teaching gymnastics			1	
43. 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		Medical Chemistry	Basic	√	√	√	√	√	√	√	√	√	√	√	√
		Medical Physics	Basic	√	√	√	√	√	√	√	√	√	√	√	√
		Human anatomy	Basic	√	√	√	√	√	√	√	√	√	√	√	√
		Medical Biology	Basic	√	√	√	√	√	√	√	√	√	√	√	√
		Principles of Medicine	Basic	√	√	√	√	√	√	√	√	√	√	√	√
		Computer science	Basic	√	√	√	√	√	√	√	√	√	√	√	√
		Democracy	Basic	√	√	√	√	√	√	√	√	√	√	√	√

		and human rights													
		English language	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Arabic language	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
Second															
		Human Anatomy	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Medical Biochemistry	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Histology	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Embryology	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		University Culture and Freedom	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√

		Rights													
		Physiology	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
Third		Pharmacology	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Medical Microbiology	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Parasitology	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Community Medicine	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Internal medicine	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Surgery	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Pathology	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
Fourth		Internal	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√

		medicine													
		General surgery	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Pediatrics	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Obstetrics	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Community medicine	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Forensic medicine	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Pathology	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Behavioral science	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Medical ethics	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
Fifth		Internal medicine	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Surgery	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√

		Psychiatry	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Dermatology	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Ophthalmology	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		ENT	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Pediatrics	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Gynecology	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Radiology	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
Sixth stage															
		Internal medicine	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Surgery	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Pediatrics	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√
		Obstetrics	**Basic**	√	√	√	√	√	√	√	√	√	√	√	√

		and Gynaecology													

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

Course Description Form

1. Course Name:
Medical microbiology
2. Course Code:
3. Semester / Year:
Third year
4. Description Preparation Date:
1/9/2023
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 resu 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:
Radiology
2. Course Code:
3. Semester / Year:
5th Year
4. Description Preparation Date:
2023\9\1
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:

اجنه

2. Course Code:

3. Semester / Year:

2024 −2023

4. Description Preparation Date:

2−9−2023

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 ليف 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 Ethics
2. Course Code:
399–499
3. Semester / Year:
2023–2024
4. Description Preparation Date:
1\9\2023
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:
Human anatomy
2. Course Code:
3. Semester / Year:
First semester / 2023 - 2024
4. Description Preparation Date:
1\9\2023
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:
3. Semester / Year:
Fourth stage
4. Description Preparation Date:
1-9-2023
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:
3. Semester / Year:
2023-2024
4. Description Preparation Date:
2023\9\1
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:
3. Semester / Year:
2023-2024
4. Description Preparation Date:
1\9\2023
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:
3. Semester / Year:
2023_2024
4. Description Preparation Date:
1\9\2023
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: Allergic Rhinitis. : pisa 6 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:
obstetric
2. Course Code:
3. Semester / Year:
2023–2024
4. Description Preparation Date:
1/9/2023
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:
gynecology
2. Course Code:
3. Semester / Year:
2023−2024
4. Description Preparation Date:
1/9/2023
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:
University Culture and Freedom Rights
2. Course Code:
3. Semester / Year:
2023_2024
4. Description Preparation Date:
1\9\2023
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	**There are several goals for teaching the prescribe subject, including acquainting the student with th importance of the cultural aspect, and helping hi increase his cultural reserve by providing correct guidance to increase this reserve, as well as introducing him to the leadership role that the university institution exercises in refining and developing the university student's culture by preparing competent teaching staff and their interest in research. Scientific and development, and the basic goal cannot be overlooked, which i to guide the student in a way that makes him an effective, creative and productive element that serves his society. Likewise, the goals related to public freedoms that the student must enjoy as a citizen belonging to a state that must be governe by a constitution and law that effectively recogni 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 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)	Learning method	Evaluation method

			*University student culture *The role of the state in providing full protection for the rights of its citizensubject name		
Every week	2hours	The student mu realize t importance of t university stage enhancing t cultural aspect his academic li and that endeavor shou not be limited achieving scienti progress in his fi of specializati only, but rather must strive increase cultural stock other scienti fields, and empl everything th would bring abo a positive change the field of specialization. T cognitive and mo level.	*Public freedoms and human rights and the extent of their application ir Iraqi society *The right to healt care and respect fo freedom *Human rights an freedoms in the divine religions an the Iraqi constitution *The medical profession (medica behavior, the most important characteristics tha doctor must posse doctors and humanity, medical responsibility) *University studer culture *The role of the state in providing full protection for the rights of its citizens *Personal freedom and how to preser them, religious freedom *Cultural freedoms	Preparing t scientific material advance, having reviewed the studer so that it c be discuss during t lecture, a asking questions order to kn the extent their respor to t scientific material.	Student discussion, da exam, repo writing

			and rights, *The right to protect the material and mora interests of intellectuals *Freedoms from t point of view of th philosopher Immanuel Kant an their types (negati and positive) *University cultur life and cultural movement *Life stresses and how to get rid of them *Cultural pluralisr and freedoms for university student *Academic freedoms and the role of universities in promoting them *Cultural ethics fo university student *University Stude Code of Ethics *The role of universities in developing and advancing society *The role of universities in preparing youth leaders to enhance social responsibilit *Academic excellence skills fo university student * Preparing the university student enter the labor		

			market and serve l community		

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 freedor intellectual trends in human rights a public freedoms
Recommended books and references (scientific journals, reports…)	Requirements for promoting cultu pluralism in the learning community, number of diverse publications (boo dissertations, university theses, research
Electronic References, Websites	https://scholar.google.com/schhp?hl=ar

Course Description Form

1. Course Name:
Orthopedic &traumatology
2. Course Code:
3. Semester / Year:
2023-2024
4. Description Preparation Date:
1/9/2023
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: Dermatology
2. Course Code:
3. Semester / Year:
2023−2024
4. Description Preparation Date:
2023\9\1
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:
3. Semester / Year:2023−2024
4. Description Preparation Date:2023\9\1
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	Unit or subject	Learning method	Evaluation

		Learning Outcomes	name		method
			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:	
3. Semester / Year:	
2023_2024	
4. Description Preparation Date:	
3-3-2024	
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:
Internal Medicine
2. Course Code:
3. Semester / Year:
Third year
4. Description Preparation Date:
3/9/2023
5. Available Attendance Forms:
In campus and teaching Hospital
6. Number of Credit Hours (Total) / Number of Units (Total)
3/90
7. Course administrator's name (mention all, if more than one name)
Name: Saad Hallawee Saad Email: dr_saeed76@edu.mu.iq
8. Course Objectives

Course Objectives	• **Cardinal medical manfestitaion..** • **.Infectious diseases….** • **.Nutritional medicine** • **Electrolytes..** • **Poisoning..**

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	4		Learning The	Clinical sessions	idterm exam

			infectious disease nutritional Disaese Poisoning Electrolytes		

11. Course Evaluation

20 marks first and second terms
20 mid year examination
10 final clinical examination
50 final theory examination

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:
Internal Medicine
2. Course Code:
3. Semester / Year:
Fourth year
4. Description Preparation Date:
1\9\2023
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 manifestation…** • **Cardiovascular diseases** • **Gastrointestinal and liver diseases** • **Respiratory diseases** • **Renal diseases** • **Endocrine diseases and 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 (Lectures and Clinical)	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
Every week	14		Learning	Lectures Clinical	Term exam. Mid-term

			Cardiovascular diseases **Gastrointestinal and li diseases** **Respiratory diseases** **Renal diseases** **Endocrine diseases and Diabetes**	sessions	exam. Clinical exam.

11. Course Evaluation

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

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:
Arabic
2. Course Code:
3. Semester / Year:
2023–2024
4. Description Preparation Date:
1\9\2023
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.

Course Description Form

1. Course Name:
Parasitology
2. Course Code:
3. Semester / Year:
2023–2024
4. Description Preparation Date:
1\9\2023
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: Assist. Prof. Dr. Osamah Faisal Kokaz Assist. Prof. Dr. Zahraa Abdulhamza Abass Email: ussama.faisal@mu.edu.iq
8. Course Objectives

Course Objectives	**• 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 commu** **and 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	Introduction parasitology	a lecture And	Mutua dialog

		medical field And t skilled		discuss	
2	4	Cognitive medical field And the skill	**Entamoeba histolytica**	a lecture And discuss	Mutua dialogu
3	4	Cognitive medical field And the skill	**other amoebae and-free-living parasit**	a lecture And discuss	quiz
4	4	Cognitive medical field And the skill	**Blastocystis hominis , Balantidium coli**	a lecture And discuss	Mutua dialogu
5	4	Cognitive medical field And the skill	**Flagellates , intestinal flagellates**	a lecture And discuss	Mutua dialogu
6	4	Cognitive medical field And the skill	**Blood and tissue flagellates**	a lecture And discuss	Mutua dialogu
7	4	Cognitive medical field	**Sporozoa, malaria**	a lecture And discuss	quiz

		And the skill			
8	4	Cognitive medical field And the skill	**Toxoplasma gondii**	a lecture And discuss	Mutual dialogu
9	4	Cognitive medical field And the skill	**Isospora and Sarcocystis**	a lecture And discuss	Mutual dialogu
10	4	Cognitive medical field And the skill	**Introduction to cestodes**	a lecture And discuss	Mutual dialogu
11	4	Cognitive medical field And the skill	**Taenia spp.**	a lecture And discuss	Mutual dialogu
12	4	Cognitive medical field And the skill	**First exam. (lecture 1 to 12)**	exam	Semes exam
13	4	Cognitive medical field And the skill	**Echinococcus spp.**	a lecture And discuss	Mutual dialogu
14	4	Cognitive medical field And	**Hymenolepis spp.**	a lecture And discuss	Mutual dialogu

		the skill			
15	4	Cognitive medical field And the skill	**Other cystodes**	a lecture And discuss	quiz
16	4	Cognitive medical field And the skill	**Introduction trematodes**	a lecture And discuss	Mutual dialogu
17	4	Cognitive medical field And the skill	**Two we holiday**	a lecture And discuss	Mutual dialogu
18	4	Cognitive medical field And the skill	**Intestinal flukes**	a lecture And discuss	Mutual dialogu
19	4	Cognitive medical field And the skill	**Liver flukes**	a lecture And discuss	quiz
20	4	Cognitive medical field And the skill	**Blood flukes**	a lecture And discuss	Mutual dialogu
21	4	Cognitive medical field And the	**Introduction nematodes**	a lecture And discuss	Mutual dialogu

		skill			
22	4	Cognitive medical field And the skill	**Hook worms**	a lecture And discuss	Mutual dialogu
23	4	Cognitive medical field And the skill	**Trichuris trichura**	a lecture And discuss	quiz
24	4	Cognitive medical field And the skill	**Enterobius vermicular**	a lecture And discuss	Mutual dialogu
25	4	Cognitive medical field And the skill	**Trichinella spiralis**	a lecture And discuss	Mutual dialogu
26	4	Cognitive medical field And the skill	**Strongloides stercoral**	a lecture And discuss	Mutual dialogu
27	4	Cognitive medical field And the skill	**Filarial worms**	a lecture And discuss	Mutual dialogu
28	4	Cognitive medical field And the skill	**Introduction to med Entomology, Bi dipterans**	a lecture And discuss	Mutual dialogu

29	4	Cognitive medical field And the skill	**second exam 15-**	exam	Second semest exam
30	4	Cognitive medical field And the skill	**Mosquitoes blackflies**	a lecture And discuss	Mutual dialogu
31	4	Cognitive medical field And the skill	**Sand fly, Tsetse Tabanid flies, Nonbi dipterans**	a lecture And discuss	Mutual dialogu

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:
3. Semester / Year:
1&2/ 2023−2024
4. Description Preparation Date:
2023\9\1
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: **Principles of Medicine**

2. Course Code:

3. Semester / Year: Second / 2024

4. Description Preparation Date: 1\9\2023

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	**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	**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 transmition	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 if 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

Course Description Form

1. Course Name: **Physiology**

2. Course Code:

3. Semester / Year: Second / 2024

4. Description Preparation Date: 1/9/2023

5. Available Attendance Forms: In person attendance

6. Number of Credit Hours (Total) / Number of Units (Total)
120 / 12

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

Names:
Prof. Dr. Wissam Sajid Hashim Al-Uboody
Email: dr.w80@mu.edu.iq
Asst. Prof. Dr. Nael Muhammed Sarheed

8. Course Objectives

Course Objectives	**1- Teaching students the miscellaneous body functions.** **2- Training the students body malfunctions.** **3- Teaching the students the systemic and organic detailed functions.**

9. Teaching and Learning Strategies

Strategy	**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	4	Cognitive and skilled medical field.	Regions of the Respiratory tract	Lecture and discussion	Mutual dialogue
2	4	Cognitive and skilled medical field.	Pulmonary Mechanics	Lecture and discussion	Mutual dialogue

3	4	Cognitive and skilled medical field.	Transpulmonary pressure	Lecture and discussion	Mutual dialogue
4	4	Cognitive and skilled medical field.	Pulmonary Volumes	Lecture and discussion	Mutual dialogue
5	4	Cognitive and skilled medical field.	Pulmonary Capacities	Lecture and discussion	Mutual dialogue
6	4	Cognitive and skilled medical field.	Pulmonary Compliance	Lecture and discussion	Mutual dialogue
7	4	Cognitive and skilled medical field.	Gas Exchange	Lecture and discussion	Mutual dialogue
8	4	Cognitive and skilled medical field.	Regulation of Respiration	Lecture and discussion	Quiz
9	4	Cognitive and skilled medical field.	C.N.S. Control	Lecture and discussion	Mutual dialogue
10	4	Cognitive and skilled medical field.	Pulmonary Inflation	Lecture and discussion	Mutual dialogue
11	4	Cognitive and skilled medical field.	Cardiac cycle	Lecture and discussion	Mutual dialogue
12	4	Cognitive and skilled medical field.	Cardiac intervals	Lecture and discussion	Mutual dialogue
13	4	Cognitive and skilled medical field.	Cardiac Phases	Lecture and discussion	Mutual dialogue
14	4	Cognitive and skilled medical field.	ECG	Lecture and discussion	Mutual dialogue
15	4	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 textbo (curricular books, if any)	1- Textbook of Medical Physiology, Guyton and Hall, 14th edition, Elsevier corporation, 2021. 2- Ganong`s Review of Medical Physiology, Barret et al., 26th edition, Mc Graw Hill, 2019. 3- BRS Physiology, Linda S. Costanzo, 7th edition, 2019.
Main references (sources)	1- Textbook of Medical Physiology, Guyton and Hall, 14th edition, Elsevier corporation, 2021. 2- Ganong`s Review of Medical Physiology, Barret et al., 26th edition, Mc Graw Hill, 2019. 3- BRS Physiology, Linda S. Costanzo, 7th edition, 2019.
Recommended books and references (scientific	1- Textbook of Medical Physiology, Guyton and Hall, 14th edition, Elsevier corporation, 2021.

journals, reports…)	2- Ganong`s Review of Medical Physiology, Barret et al., 26th edition, Mc Graw Hill, 2019. 3- BRS Physiology, Linda S. Costanzo, 7th edition, 2019.
Electronic Referenc Websites	https://www.us.elsevierhealth.com/medicine/physiology

Course Description Form

1. Course Name:
Ophthalmology
2. Course Code:
3. Semester / Year:
2023-2024
4. Description Preparation Date:
2023-9-1
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 anato ,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:
Internal medicine
2. Course Code:
3. Semester / Year:
5th year
4. Description Preparation Date:
1\9\2023
5. Available Attendance Forms:
Campus and hospital
6. Number of Credit Hours (Total) / Number of Units (Total)
30hours
7. Course administrator's name (mention all, if more than one name)
Name: asaad adil mnaather Email: asaadneuro@mu.edu.iq
8. Course Objectives

Course Objectives	• **.learning neurological diseas** • **.diagnosis** • **.treatment**
9. Teaching and Learning Strategies	
Strategy	Introduction to neurology Approach to diagnosis How to treat and differentiate

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
Every week	1	Neurologic disease	Stroke SAH\,,MS,Periphe neuropathy myopathy ,	lecture a clinical session	Quizze with midte and fi 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
5 marks first term
5 marks second term
20 mid-year examination
10 clinical examination
60 final theory examination

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Davidson textbook
Main references (sources)	Harrison textbook
Recommended books and references (scientific journals, reports…)	American academy of neurology
Electronic References, Websites	

Course Description Form

1. Course Name:
Human Biology
2. Course Code:
3. Semester / Year:
First Year
4. Description Preparation Date:
1\9\2023
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