The University of Jordan

الجامعة الاردنية

Form: Course Syllabus	Form Number	EXC-01-02-02A
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1.	Course Title	Introduction to Clinical Medicine & Medical Ethics
2.	Course Number	0500402
3.	Credit Hours (Theory, Practical)	8 hours
	Contact Hours (Theory, Practical)	40 hours/week
4.	Prerequisites/ Corequisites	--
5.	Program Title	Doctor of Medicine
6.	Program Code	05
7.	School/ Center	School of Medicine
8.	Department	Internal medicine.
9.	Course Level	Bachelor
10.	Year of Study and Semester (s)	Fourth year
11.	Program Degree	Bachelor
12.	Other Department(s) Involved in Teaching the Course	--
13.	Learning Language	English
14.	Learning Types	☒Face to face learning ☐Blended ☐Fully online
15.	Online Platforms(s)	☐Moodle ☒Microsoft Teams
16	Issuing Date	January 2024
17.	Revision Date	May 2025

18. Course Coordinator:

Name: **Professor Hussam Al-Hawari**

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19. Other Instructors:

	INSTRUCTOR	*email address*
2	Dr Firas frarjeh	F.alfararjeh@ju.edu.jo
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20. Course Description:

A- Course Description:

This course covers communication skills with patients and their relatives and the skills of history taking and physical examination of the different body systems and the study of signs and symptoms of the diseases that affect the body through clinical training, lectures and seminars over an eight-week period. The course also covers the topics of medical informatics and medical ethics through lectures, seminars and practical training.

B- Aims:

- **To highlight the concept of health and disease and provide knowledge of the common medical disorders**
- **Offer information regarding approach to patients, identification of disease, reaching diagnosis, and how to provide care and respond to patient needs**
- **Offer information about how to obtain medical history and perform physical examination, and how and what investigations to request. further assist the student to develop skills of interviewing, communication, and rapport establishment**
- **To provide the students information regarding formulation, broad lines of management and safety use of medications and drug interactions**

21. Program Intended Learning Outcomes: (To be used in designing the matrix linking the intended learning outcomes of the course with the intended learning outcomes of the program)

PLO's	*National Qualifications Framework Descriptors*		
	Competency (C)	Skills (B)	Knowledge (A)
1.	☐	☐	☒
2.	☐	☒	☐
3.	☒	☐	☐
4.	☐	☐	☒
5.	☐	☒	☐
6.	☒	☐	☐
7.	☐	☐	☒
8.	☒	☐	☐

* Choose only one descriptor for each learning outcome of the program, whether knowledge, skill, or competency.

Program Intended Learning Outcomes (PLOs):

1. Demonstrate basic knowledge of normal human structure and function at molecular, genetic, cellular, tissue, organ, system and whole-body levels in terms of growth, development, and health maintenance. Analyze the basic molecular and cellular mechanisms involved in the causation and treatment of human disease and their influence on clinical presentation and therapy.
2. Collect, interpret, document, and communicate accurately a comprehensive medical history, including the psychological and behavioral factors, and a thorough organ-system-specific physical examination inclusive of the mental status of the patient.
3. Integrate and communicate collected clinical information in the construction of appropriate diagnostic and therapeutic management strategies to identify life-threatening conditions ensuring prompt therapy, referral, and consultation with relevant disciplines and skillfully perform basic medical procedures for general practice on patients with common illness, acute and chronic, taking into account environmental, social, cultural and psychological factors.
4. Demonstrate in-depth knowledge of the epidemiology and biostatistics of common diseases, and analyze the impact of ethnicity, culture, socioeconomic factors and other social factors on health, disease, and individual patient's health care.
5. Communicate effectively and professionally, both orally and in writing, with patients, their families, and with other healthcare providers utilizing information technology resources in his/her scholarly activities

and professional development with the ability to teach others, and to understand and respect other healthcare professionals 'roles and apply the principles of multidisciplinary teamwork dynamics and collaboration.

6. Apply scientific methods including evidence –based approach to the medical practice including problem identification, data collection, hypothesis formulation, etc., and apply inductive reasoning to problem solving and ensure that clinical reasoning and decision making are guided by sound ethical principles.

7. Demonstrate knowledge of scientific research methods and ethical principles of clinical research and be able to write research proposals or research papers.

8. Demonstrate professionally the skills needed for Quality improvement, lifelong learning, and continuous medical education including the ability to identify and address personal strength and weakness, self-assess knowledge and performance, and develop a self-improvement plan.

22. Course Intended Learning Outcomes: (Upon completion of the course, the student will be able to achieve the following intended learning outcomes)

Course ILOs #	The learning levels to be achieved						Competencies
	Remember	Understand	Apply	Analyse	Evaluate	Create	
1.			✓	✓	✓	✓	Recognize the importance of time adherence for clinical doctors and take comprehensive and detailed history for patients.
2.			✓	✓	✓	✓	Conduct proper, sensitive and specific physical examinations and apply the basic concepts in clinical communication skills and patient centred consultation.
3.			✓	✓	✓	✓	Identify the clinical importance of each sign and symptom and illicit physical signs with proper correlation to diagnosis.
4.			✓	✓	✓	✓	Correlate and recognise normal physical findings based on basic medical knowledge.
5.			✓	✓	✓	✓	Implement medical ethics in each patient encounter and apply the

							principles of Evidence Based medicine.
6.			✓	✓	✓	✓	Exhibit behaviors and values that are consistent with the trust given to the profession by patients, other healthcare providers and society.

23. The matrix linking the intended learning outcomes of the course -CLOs with the intended learning outcomes of the program -PLOs:

PLO's * / CLO's	1	2	3	4	5	6	Descriptors**		
							A	B	C
1				✓			✓		
2	✓	✓						✓	
3			✓						✓
4							✓		
5						✓		✓	
6									✓
7					✓		✓		
8									✓

***Linking each course learning outcome (CLO) to only one program outcome (PLO) as specified in the course matrix.**

****Descriptors are determined according to the program learning outcome (PLO) that was chosen and according to what was specified in the program learning outcomes matrix in clause (21).**

24. Topic Outline and Schedule:

Week	Topic	Student Learning FOutcome (SLO)	Descriptors **	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
1	**History taking and general physical examination**	1.1 Introduce the basic rules needed to communicate with patients. 1.2 Emphasize the ethical, behavioral and medical background needed for patient encounter, taking history and performing physical examination. 1.3 Acquire the skills needed to perform the general physical examination including lymph node examination.	K S C	Morning lecture (history and physical examination) Small group discussion and practice Afternoon lecture (ethics, behavioral, evidence-based medicine and communication skills) Self-based learning for patient reencounter and history taking	Teams for live meetings	Synchronous	Evaluation/ attendance and discipline End of semester OSCE Final written exam	
Week	**Topic**	**Student Learning Outcome (SLO)**	**Descriptors ****	**Learning Methods (Face to Face/Blended/ Fully Online)**	**Platform**	**Synchronous / Asynchronous Lecturing**	**Evaluation Methods**	**Resources**

Week	Topic	Student Learning FOutcome (SLO)	Descriptors **	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
2	**Respiratory system**	2.1 Review the anatomy and pathophysiology of respiratory system. 2.2 Introduce the normal clinical findings seen in normal healthy individuals. 2.3 Illustrate the skills of respiratory system physical examination and demonstrate the skills on normal healthy simulator. 2.4 Comprehend symptoms and signs of various pulmonary problems. 2.5 Acquire the skills needed to approach patients with respiratory symptoms and signs, and to use these skills to facilitate history taking and physical examination. 2.6 Review the symptoms and signs found in patients with chronic obstructive pulmonary disease, thromboembolism, lung cancer, bronchiectasis, bronchial asthma, pulmonary hypertension, acute respiratory distress, pneumonia, pleural disease, obstructive sleep apnea, Interstitial lung disease and respiratory failure.		Morning lecture (history and physical examination) Small group discussion and practice Afternoon lecture (ethics, behavioral, evidence-based medicine and communication skills) Self-based learning for patient reencounter and history taking	Teams for live meetings	**Synchronous**	Evaluation/ attendance and discipline End of semestre OSCE Final written exam	
Week	**Topic**	**Student Learning Outcome (SLO)**	**Descriptors ** **	**Learning Methods (Face to Face/Blended/ Fully Online)**	**Platform**	**Synchronous / Asynchrono**	**Evaluation Methods**	**Resources**
3	**Cardiovascular system**	3.1 Review the anatomy and physiology of cardiovascular system. 3.2 Introduce the normal clinical findings seen in normal healthy individuals 3.3 Illustrate the skills of cardiovascular system examination and demonstrate the physical examination on normal healthy simulator. 3.4 Comprehend symptoms and signs of cardiovascular conditions 3.5 Acquire the skills needed to approach patients with cardiovascular symptoms and signs, and to use these skills to facilitate history taking and physical examination. 3.6 patients with Ischemic heart disease, Acute coronary syndrome, Arrhythmias,	K S C	Morning lecture (history and physical examination) Small group discussion and practice Afternoon lecture (ethics, behavioral, evidence-based medicine and communication skills) Self-based learning for patient reencounter and history taking	Teams for live meetings	**Synchronous**	Evaluation/ attendance and discipline End of semester OSCE Final written exam	

Week	Topic	Student Learning FOutcome (SLO)	Descriptors "	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
		basic concepts about congenital heart disease, Cardiac arrest, Pericardial disease, Valvular heart disease, Rheumatic fever, Infective endocarditis, Core pulmonale, Cardiac tumors, Peripheral vascular disease, Lipid disorder, Cardiomyopathies, Myocarditis, Heart failure and Hypertension.						
Week	Topic	Student Learning Outcome (SLO)	Descriptors "	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
4	**Gastrointestinal and Renal systems.**	4.1 Review the anatomy and physiology of gastro-intestinal system and renal systems. 4.2 Introduce the normal clinical findings seen in normal healthy individuals. 4.3 Illustrate the skills needed to perform gastrointestinal and renal physical examination and demonstrate these skills on a normal healthy simulator. 4.4 Comprehend symptoms and signs of gastro-intestinal conditions 4.5 Acquire the skills needed to approach patients with gastroontestinal symptoms and signs, and to use these skills to facilitate history taking and physical examination. 4.6 Review the symptoms and signs found in patients with Jaundice, Autoimmune liver disease, Complications of liver diseases, chronic viral hepatitis, Acute viral hepatitis, Peptic ulcer disease, Pancreatitis, Gastrointestinal hemorrhage, Inflammatory bowel disease, Esophageal disorders, Irritable bowel syndrome, Gastrointestinal infections, Chronic diarrhea, Malabsorption syndrome, celiac disease and Gall bladder diseases.	K S C	Morning lecture (history and physical examination) Small group discussion and practice Afternoon lecture (ethics, behavioral, evidence-based medicine and communication skills) Self-based learning for patient reencounter and history taking	Teams for live meetings	**Synchronous**	Evaluation/ attendance and discipline End of semester OSCE Final written exam	
Week	Topic	Student Learning Outcome (SLO)	Descriptors "	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
5	**Musculoskeletal system**	5.1 Review the anatomy of musculoskeletal system. 5.2 Comprehend symptoms and signs of	K S C	Morning lecture (history and physical examination)	Teams for live		Evaluation/ attendance and discipline	

Week	Topic	Student Learning FOutcome (SLO)	Descriptors **	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
		various rheumatological problems. 5.3 Acquire the skills needed to approach patients with rheumatological symptoms and signs, and to use these skills to facilitate history taking and physical examination. 5.4 Review the symptoms and signs found in patients with rheumatoid arthritis, osteoarthrosis and common autoimmune rheumatological diseases.		Small group discussion and practice Afternoon lecture (ethics, behavioral, evidence-based medicine and communication skills) Self-based learning for patient reencounter and history taking			End of semester OSCE Final written exam	
6	**Neurology**	1.1 Review the anatomy and pathophysiology of neurological system. 1.2 Introduce the normal clinical findings seen in normal healthy individuals. 1.3 Illustrate the skills of neurological system physical examination and demonstrate the physical examination on normal healthy simulator. 1.4 Comprehend symptoms and signs of various neurological problems. 1.5 Acquire the skills needed to approach patients with neurological symptoms and signs, and to use these skills to facilitate history taking and physical examination. 1.6 Review the symptoms and signs found in patients with cerebrovascular disease, multiple sclerosis, cranial nerve palsy , and other neurological diseases.	K S C	Morning lecture (history and physical examination) Small group discussion and practice Afternoon lecture (ethics, behavioral, evidence-based medicine and communication skills) Self-based learning for patient reencounter and history taking	Teams for live meetings		Evaluation/ attendance and discipline End of semester OSCE Final written exam	
7	**Basic Life Support And Introduction to Electrocardiogram interpretation**	7.1 Review the basic concepts of normal electrocardiograms. 7.2 Recognize several life-threatening emergencies and acquire the skills of life saving. 7.3 Introduce the value of being able to perform the basic life support in arrested patients and patients with hemodynamic instability.		Morning lecture (history and physical examination) Small group discussion and practice Afternoon lecture (ethics, behavioral, evidence-based medicine and communication skills) Self-based learning for patient reencounter and history taking				

Week	Topic	Student Learning FOutcome (SLO)	Descriptors **	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
8	Assessment week			Morning lecture (history and physical examination) Small group discussion and practice Afternoon lecture (ethics, behavioral, evidence-based medicine and communication skills) Self-based learning for patient reencounter and history taking				

** K: Knowledge, S: Skills, C: Competency

25. Evaluation Methods:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

Evaluation Activity	Mark	Topic(s)	CLOs	Descriptors **	Period (Week)	Platform
Evaluation/ attendance and discipline	20	-			1st week- 7th week	
Theory quizzes	20	History taking and general physical examination Respiratory System Cardiovascular system Gastroenterology & Renal systems Neurology Musculoskeletal	1.1/1.2/1.3 2.1/2.2/2.3/2.4/2.5/2.6 3.1/3.2/3.3/3.4/3.5/3.6 4.1/4.2/4.3/4.4/4.5/4.6 5.1/5.2/5.3/5.4 6.1/6.2/6.3/6.4/6.5/6.6	K S C	Weekly	Exambuilder
Mid OSCE	10	History taking and general physical examination Respiratory System Cardiovascular system	1.1/1.2/1.3 2.1/2.2/2.3/2.4/2.5/2.6 3.1/3.2/3.3/3.4/3.5/3.6		The end of 3rd week	School of medicine

Final OSCE	20	History taking and general physical examination Respiratory System Cardiology Gastroenterology & Renal Neurology Musculoskeletal Basic life support	1.1/1.2/1.3 2.1/2.2/2.3/2.4/2.5/2.6 3.1/3.2/3.3/3.4/3.5/3.6 4.1/4.2/4.3/4.4/4.5/4.6 5.1/5.2/5.3/5.4 6.1/6.2/6.3/6.4/6.5/6.6		The end of 8th week	School of medicine
Final written exam	30	Respiratory System Cardiovascular system Gastroenterology & Renal systems Neurology Musculoskeletal Basic life support	1.1/1.2/1.3 2.1/2.2/2.3/2.4/2.5/2.6 3.1/3.2/3.3/3.4/3.5/3.6 4.1/4.2/4.3/4.4/4.5/4.6 5.1/5.2/5.3/5.4 6.1/6.2/6.3/6.4/6.5/6.6 7.1/7.2/7.3	K S C	The end of 8th week	Exambuilder
** K: Knowledge, S: Skills, C: Competency							

*** According to the instructions for granting a bachelor's degree.**

****According to the principles of organizing semester work, tests, examinations, and grades for the bachelor's degree.**

Final exam specifications table*

No. of questions/ cognitive level						No. of questions per CLO	Total exam mark	Total no. of questions	CLO Weight	CLO no.
Create %10	Evaluate %10	analyse %10	Apply %20	Understand %20	Remember %30					
										1
										2
										3
										4
										5

*(The table will be completed on separate forms by course coordinators prior to conduction of each exam according to Accreditation and Quality Assurance Centre procedures and forms).

26. Course Requirements:

- ✓ Seminar rooms
- ✓ Skills Lab
- ✓ Outpatient clinics
- ✓ Inpatient hospital
- ✓ Internet connection

✓ Online educational material using Moodle (Electronic Videos and Activities)
A simulated clinical environment for OSCE (Real or Simulated Patients)

27. Course Policies:

A- Attendance policies:

Attendance will be monitored by the course coordinator. Attendance policies will be announced at the beginning of the course.

B- Absences from exams and handing in assignments on time:

Will be managed according to the University of Jordan regulations. Refer to http://registration.ju.edu.jo/Documents/daleel.pdf

C- Health and safety procedures:

Faculty Members and students must always, conform to Health and Safety rules and procedures.

D- Honesty policy regarding cheating, plagiarism, misbehavior:

As a student in this course (and at this university) you are expected to maintain high degrees of professionalism, commitment to active learning and participation in this course and also integrity in your behavior in and out of the classroom. Students violate this policy would be subjected to disciplinary action according to University of Jordan disciplinary policies.

E- Grading policy:

Grade-point average, Rules are preset by the Faculty and Department Councils

F- Available university services that support achievement in the course:

Availability of comfortable lecture halls, data show, internet service and E learning website https://elearning.ju.edu.jo/.

28. References:

A-Required book (s), assigned reading and audio-visuals:

1-Macleod's clinical examination, J. Alastair Innes, Anna R Dover, Karen Fairhurst, 14th edition.

2-Davidson' Principles and Practice of Medicine, Ian D Penman, Stuart H. Ralston, Mark W J Strachan, Richard Hobson, 24the edition.

3-Kumar and Clark's Clinical Medicine, Adam Feather, MBBS, FRCP, FAcadMEd, David Randall, MA, MRCP and Mona Waterhouse, 10th edition.

B-Recommended books, materials, and media:

Medical library: textbooks, journals, periodicals/ Web based resources:

1.https://www.uptodate.com/

2.MEDLINE Home (nih.gov) 3.PubMed (nih.gov)

Name of the Instructor or the Course Coordinator

Signature: .....

Date: .....2025/7/1.....

Professor Hussam AL Hawari		
Name of the Head of Quality Assurance Committee/ Department Dr Enas Al; Zayadneh	Signature:	Date: 1.7.2025
Name of the Head of Department Professor Hussam AL Hawari	Signature:	Date:
Name of the Head of Quality Assurance Committee/ School or Center Professor Ayman Wahbeh	Signature:	Date:
Name of the Dean or the Director Professor Ayman Wahbeh	Signature:	Date: 10/7/2025

الجامعة الأردنية
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