



Jordan University of Science and Technology
Faculty of Medicine
Doctor Of Medicine (Md) Department

MED645 Family Medicine And Accident And Emergency Medicine - JNQF Level: 6

First Semester 2024-2025

Course Catalog

9 Credit Hours. This is a clinical course-clerkship- for the fifth year medical students, nine credit hours, nine weeks for each group for a total of 5 groups around the year. The main goal of the Family and emergency Medicine clerkship is to help The students: 1-Get the required knowledge and skills needed for the graduating physician to work as a general practitioner, and be able to deal properly with emergency cases. 2- Becoming effective in interviewing patients. 3-Conducting a skilled and sensitive physical assessment. 4- Enhancing clinical reasoning skills. 5-Finding and using evidence based medicine. Teaching is a mixture of both didactic(lectures and seminars) and bedside teaching at JUST health center, KAUH emergency department, MOH Primary care centers, and others. For the family medicine part, The clerkship will provide an outstanding learning experience for the 5th year medical students who will spend training period at a university based health center and other affiliated primary health care centers in Irbid area. Students during this rotation are exposed to different medical problems commonly seen at primary healthcare setting. They will be taught how to take the proper, timely managed medical history, perform focused examination, and will learn the communication skills and participate in management plan as well. Didactic teaching is composed of lectures and seminars, which are selected based on the common diseases with an emphasis on disease prevention and health promotion. The Emergency Department at King Abdullah University hospital (ED-KAUH) hosts the Emergency Medicine part, During this training period, 5th year medical students will get a comprehensive experience in Emergency Medicine. The Clerkship starts on with a mandatory orientation. The orientation period is a 2-day long phase that includes a series of lectures, interactive discussions and hands-on simulation sessions. The goal of this phase is to allow students to acquire the essential knowledge and skills in preparation for the clinical experience of the clerkship. Topics covered in the orientation period include medical imaging, airway management, trauma, toxicology, chest pain, and trauma. After completing their 2-day orientation period, students are expected to do approximately 7-8 clinical, daytime shifts at ED-KAUH, Princess Basmah Teaching Hospital and Prince Rashid Military Hospital. Student are expected to perform as sub-interns; they will evaluate and manage patients that present to the ED under the supervision of a senior Emergency Medicine (EM) physician. They will be responsible for taking histories, performing physical examinations, ordering laboratory and radiology studies, and implementing treatment plans as guided by the EM physician. During their clerkship, students will be exposed to a wide variety of patient presentation from low acuity cases to complicated and critically ill patients, to having the chance to observe and participate in cardiac arrest and trauma codes. During the clerkship, students will also be able to observe simple procedures such as laceration repairs, incision and drainage of abscesses, arterial blood gas withdrawal, and splinting of fractures. During their clinical shifts period, most of the teaching will be bedside by senior EM residents and attending physicians. In order to maximize their learning experience, students are asked to participate in the weekly resident education day which takes place at the department. Students performance during the clerkship is evaluated through a multitude of tools. In addition to the final written and OSCE exam at the conclusion of the clerkship, performance is evaluated through a special student evaluation form, filled by the attending physician, on a shift by shift basis. This form evaluates students regarding the following skills and competencies: attendance, history taking and physical examination, clinical reasoning, presentation, follow-up, professionalism, and documentation. In addition, as part of their evaluation, students present an interesting case they have seen in the ED. They are expected to discuss the clinical presentation, workup, diagnosis and management of the case. The case presentation sessions, in addition to their role in student evaluation, are meant to improve the student's teaching skills as well as learn to a greater depth about a subject.

Teaching Method: On Campus

Text Book

Title	Essentials of Family Medicine.
Author(s)	Slone PD, Slatt LM, Baker RM, Williams & Wilkins, Baltimore.
Edition	5th Edition
Short Name	Ref f-1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	O Infor
Ref f-2	Family Medicine - Principles and Practice.	Taylor RD, Spring-Verlay.	5th Edition	
Ref f-3	Up to date	JUST University website/library-E resources.	10th Edition	
Ref e-1	Tintinalli's Emergency Medicine- A Comprehensive Study Guide.	E. Tintinalli, O. John Ma, Donald M. Yealy, Garth D. Meckler, J. Stephan Stapczynski, David M. Cline, Stephen H. Thomas	9th Edition	
Ref e-2	Emergency Clerkship Primer	http://www.ucdenver.edu/academics/colleges/medicalschoo/departments/EmergencyMedicine/Education/Documents/EM%20Clerkship%20Primer.pdf	10th Edition	
Ref e-3	EM Clerkship Podcast.	http://emclerkship.com/	10th Edition	

Instructor

Name	Dr. Othman Beni Yonis
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Office Hours	
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Class Schedule & Room

Section 1:
Lecture Time: Sun, Mon, Tue, Wed, Thu :-
Room: U

Section 2:
Lecture Time: Sun, Mon, Tue, Wed, Thu :-
Room: U

Section 3:
Lecture Time: Sun, Mon, Tue, Wed, Thu :-
Room: U

Section 4:
Lecture Time: Sun, Mon, Tue, Wed, Thu :-
Room: U

Section 5:
Lecture Time: Sun, Mon, Tue, Wed, Thu :-
Room: U

Section 6:
Lecture Time: Sun, Mon, Tue, Wed, Thu :-
Room: U

Section 7:
Lecture Time: Sun, Mon, Tue, Wed, Thu :-
Room: U

Section 8:
Lecture Time: Sun, Mon, Tue, Wed, Thu :-
Room: U

Section 9:
Lecture Time: Sun, Mon, Tue, Wed, Thu :-
Room: U

Section 10:
Lecture Time: Sun, Mon, Tue, Wed, Thu :-
Room: U

Section 11:
Lecture Time: Sun, Mon, Tue, Wed, Thu :-
Room: U

Section 12:
Lecture Time: Sun, Mon, Tue, Wed, Thu :-
Room: U

Section 13:
Lecture Time: Sun, Mon, Tue, Wed, Thu :-
Room: U

Section 14:
Lecture Time: Sun, Mon, Tue, Wed, Thu :-
Room: U

Section 15:
Lecture Time: Sun, Mon, Tue, Wed, Thu :-
Room: U

Section 16:
Lecture Time: Sun, Mon, Tue, Wed, Thu :-
Room: U

Section 17:
Lecture Time: Sun, Mon, Tue, Wed, Thu :-
Room: U

Section 18:
Lecture Time: Sun, Mon, Tue, Wed, Thu :-
Room: U

Section 19:
Lecture Time: Sun, Mon, Tue, Wed, Thu :-
Room: U

Section 20:
Lecture Time: Sun, Mon, Tue, Wed, Thu :-
Room: U

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Principles of Family Medicine (lecture)+daily clinical bedside teaching(BST)	From Ref f-1, From Ref f-2

Week 1	Consultation Skills and breaking bad news (lecture)+daily clinical bedside teaching.	From Ref f-1, From Ref f-2
Week 1	Diabetes Mellitus (lecture)+daily clinical bedside teaching.	From Ref f-1, From Ref f-3
Week 1	Evidence based medicine (lecture)+daily clinical bedside teaching.	From Ref f-1, From Ref f-2
Week 1	Tobacco dependence and smoking cessation (lecture)+daily clinical bedside teaching.	From Ref f-2, From Ref f-3
Week 2	Upper respiratory tract infections (URTI) (lecture)+daily clinical bedside teaching.	From Ref f-1, From Ref f-3
Week 2	Approach to patients with Dizziness(lecture)+daily clinical bedside teaching.	From Ref f-1, From Ref f-3
Week 2	Women's health and osteoporosis (lecture)+daily clinical bedside teaching.	From Ref f-1, From Ref f-3
Week 2	Approach to patients with high blood pressure (lecture)+daily clinical bedside teaching.	From Ref f-1, From Ref f-2, From Ref f-3
Week 2	Minor injuries in primary care (lecture)+daily clinical bedside teaching.	From Ref f-1, From Ref f-3
Week 3	Approach to patients with Backache and musculoskeletal pain (lecture)+daily clinical bedside teaching.	From Ref f-1, From Ref f-3
Week 3	Mental health in primary care (lecture)+daily clinical bedside teaching.	From Ref f-1, From Ref f-2, From Ref f-3
Week 3	Introduction to geriatric medicine -active and health ageing (lecture)+daily clinical bedside teaching.	From Ref f-1, From Ref f-2
Week 3	Approach to patients with dyslipidemias (lecture)+daily clinical bedside teaching.	From Ref f-1, From Ref f-3
Week 4	Approach to patients with headache (lecture)+daily clinical bedside teaching.	From Ref f-1, From Ref f-3
Week 4	Approach to patients with dyspepsia (lecture)+daily clinical bedside teaching.	From Ref f-1, From Ref f-3
Week 4	Approach to patients with thyroid disorders (seminar)+daily clinical bedside teaching.	From Ref f-2, From Ref f-3
Week 4	Approach to patients with chest pain (seminar)+daily clinical bedside teaching.	From Ref f-1, From Ref f-3
Week 4	Approach to patients with dyspnoea (seminar)+daily clinical bedside teaching.	From Ref f-1, From Ref f-3
Week 5	Approach to patients with obesity (seminar)+daily clinical bedside teaching.	From Ref f-1, From Ref f-3
Week 5	Approach to patients with Anemia (seminar)+daily clinical bedside teaching.	From Ref f-1, From Ref f-3
Week 5	Well-adult care and periodic health evaluation (seminar)+daily clinical bedside teaching.	From Ref f-1, From Ref f-3
Week 6	Health benefits of exercise (seminar)+daily clinical bedside teaching.	From Ref f-2, From Ref f-3
Week 6	ECG interpretation (seminar)+daily clinical bedside teaching.	From Ref f-1, From Ref f-2
Week 6	Emergency cases in primary care settings (seminar)+daily clinical bedside teaching.	From Ref f-1, From Ref f-2
Week 7	Approach to chest pain at emergency department (seminar)+daily clinical bedside teaching.	From Ref e-1, From Ref e-3
Week 7	Approach to Shortness of breath at emergency department (seminar)+daily clinical bedside teaching.	From Ref e-2, From Ref e-3
Week 7	Approach to cardiac arrest (seminar)+daily clinical bedside teaching.	From Ref e-1, From Ref e-2, From Ref e-3
Week 8	Environmental/Toxicologic Emergencies (seminar)+daily clinical bedside teaching.	From Ref e-1, From Ref e-2, From Ref e-3
Week 8	Approach to trauma (seminar)+daily clinical bedside teaching.	From Ref e-1, From Ref e-2, From Ref e-3
Week 9	Exam week-OSCE and MINIOSCE	

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Students will be able to know how to take focused medical history and examination of the most common diseases encountered at primary care and emergency departments in order to reach the diagnosis in timely manner. [1PLO10] [1L6S1, 1L6S3, 1L6C4]	20%	
Students will be able to know common investigations and medications used in primary care and emergency setting, to be able to deal with it properly in their future career. [1PLO3, 1PLO7, 1PLO12] [1L6S1, 1L6S3, 1L6C4]	20%	
Students will be able to interpret common investigations of common medical conditions at primary care level and emergency departments in order to reach the right diagnosis and treatment. [1PLO5, 1PLO9, 1PLO10, 1PLO11] [1L6S1, 1L6C4, 1L6C5]	10%	
Students will be able to develop treatment plan for patients with common medical conditions encountered at primary care setting or emergency departments for the best treatment outcomes. [1PLO2, 1PLO5, 1PLO6, 1PLO7, 1PLO9, 1PLO10] [1L6K1, 1L6S1, 1L6S2, 1L6C4]	10%	
Students will be able to recommend evidence-based preventive measures of important medical conditions to prevent diseases and improve the well-being of the individuals and community. [1PLO3, 1PLO7, 1PLO12] [1L6K1, 1L6S1, 1L6C4]	20%	
Students will be able to demonstrate counseling skills of patients with common medical conditions encountered at primary care setting or emergency departments for the best treatment outcomes. [1PLO4, 1PLO7] [1L6S3, 1L6C4, 1L6C5]	20%	

Relationship to Program Student Outcomes (Out of 100%)													
PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11	PLO12	PLO13	PLO14
	1.67	13.33	10	4.17	1.67	25		4.17	24.17	2.5	13.33		

Relationship to NQF Outcomes (Out of 100%)						
L6K1	L6S1	L6S2	L6S3	L6C4	L6C5	
9.17	25.83	2.5	20	32.5	10	

Evaluation	
Assessment Tool	Weight
MINIOSCE	10%
OSCE	30%
EVALUATION	15%
FINAL MCQ	45%

Policy	
Daily Teaching schedule	<p>Students will be divided into groups(8-9 students in each group), each group will attend to the family medicine clinics or the emergency departments at the assigned training sites . Student will attend the morning or afternoon clinics(2-3 hours), they will see the attending physicians treating patients, they will learn how to take relevant focused history and perform the physical examination, choosing appropriate investigation and the treatment plan as well.</p> <p>On the other hand there will be aday perweek(thursdays) where students attend lectures or seminars, either face to face(seminars) or on-line through teams.</p> <p>Students will have their clinical training at selected out patients family medicine clinics and emergency departments at different primary care centers and emergency departments in irbid governate, for this year2024/2025 they will go to JUST PHCC, alsarih PHCC, Alfurgan PHCC, Alhusn PHCC,ER departments at KAUH,Princess basma and prince Rashid hospitals.</p> <p>Mentors are faculty members at JUST University or Jordanian boarded consultants/specialist at the ministry of health or the royal medical services.</p>
Absence policy	This is based on JUST students absence policy, for each absence without approved excuse, half mark will be deducted from the 5 marks assigned for absence. if absences were more than allowed by tregulations(7), the student will not be able to set for the exams and will fail the course.

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