



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

MED553 Orthopedics - JNQF Level: 6

Second Semester 2023-2024

Course Catalog

4.5 Credit Hours. This is a student's Trauma and Orthopedics' Undergraduate Curriculum. It is an introductory course given as four weeks' clinical rotation offered to fifth year medical students. It describes the skills and objectives that should be achieved as an orthopedics student. This curriculum aims to provide the students with a comprehensive overview of the specialty of orthopedics. They will gain a better understanding of orthopedics as a surgical specialty and learn about patient care they will encounter in general practice, especially as a primary care physician as many outpatient visits include orthopedics concerns. The learning priorities for this clinical rotation are to gain insight and understanding of the most common presentations and conditions of the orthopedics cases to make the student more competent to recognize these common orthopedics conditions through an excellent clinical exposure by joining the highly qualified physicians in their clinics, as well as the orthopedics senior residents. It is anticipated that all students will have opportunities to enhance their skills in history taking and clinical examination. This will improve their recognition of symptoms and signs and formulation of an accurate differential diagnosis which is important to focus on the primary care management of common conditions and to understand when a patient should be referred to secondary care. The students are also required to present seminars that cover most of the orthopedics clinical conditions; these seminars are supervised by the consultants and the students should be actively involved in these clinical discussions, as part of their evaluation is based on these seminars presentation and discussion. The students are anticipated to participate actively in the morning report and bedside teaching. The end rotation exam is held every 2 months for 2 consecutive groups.

Teaching Method: On Campus

Text Book

Title	Adams`s Outline of Fractures
Author(s)	David L. Hamblen, Hamish Simpson
Edition	12th Edition
Short Name	1.
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
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2.	Adams`s Outline of orthopaedics.	David L. Hamblen, Hamish Simpson	14th Edition	
3.	Apley`s System of orthopaedics and Fractures	A. Graham Apley, Louis Solomon	8th Edition	
4.	Miller`s Review of Orthopaedics	Mark D. Miller & Stephen R. Thompson	8th Edition	

Class Schedule & Room				
<p>Section 1: Lecture Time: Sun, Mon, Tue, Wed, Thu : - Room: HOSPITAL (MED)</p> <p>Section 2: Lecture Time: Sun, Mon, Tue, Wed, Thu : - Room: HOSPITAL (MED)</p> <p>Section 3: Lecture Time: Sun, Mon, Tue, Wed, Thu : - Room: HOSPITAL (MED)</p> <p>Section 4: Lecture Time: Sun, Mon, Tue, Wed, Thu : - Room: HOSPITAL (MED)</p>				

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	1. Introduction to Orthopedic Surgery and Fractures	From 1., From 2., From 3., From 4.
Week 1	2. Common Fractures and Fracture Complications	From 1., From 2., From 3., From 4.
Week 1	3. Pediatric Orthopaedics	From 1., From 2., From 3., From 4.
Week 1	4. Osteoarthritis / Foot and Ankle	From 1., From 2., From 3., From 4.
Week 1	5. Sport Medicine	From 1., From 2., From 3., From 4.

Week 1	6. Orthopaedic Oncology	From 1., From 2., From 3., From 4.
Week 1	7. Hand and Upper Extremity	From 1., From 2., From 3., From 4.
Week 1	8. Osteomyelitis and Septic Arthritis	From 1., From 2., From 3., From 4.
Week 1	9. The Spine	From 1., From 2., From 3., From 4.
Week 1	10. Fractures in Children	From 1., From 2., From 3., From 4.
Weeks 2, 3, 4	Morning Report, Clinical Rounds and OPD clinics	From 1., From 2., From 3., From 4.

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Gain more clinical knowledge and better understanding of common orthopaedic conditions [1PLO1, 1PLO2] [1L6K1, 1L6S1, 1L6C4, 1L6C5]	20%	
Acquire further learning experience in history taking in orthopaedics and performing specific orthopaedic examination. [1PLO1, 1PLO2] [1L6C4, 1L6C5]	20%	
Correctly know the investigation of patients with orthopedic disorders based on a focused exam [1PLO1, 1PLO2] [1L6S1]	10%	
Proper assess of medical symptoms and signs and apply clinical reasoning to formulate a clear differential diagnosis and management plan [1PLO1, 1PLO2, 1PLO4] [1L6S2, 1L6S3, 1L6C4, 1L6C5]	20%	
Understand the pharmacological, medical and surgical management of orthopaedic patients [1PLO1, 1PLO2, 1PLO10, 1PLO11] [1L6S1, 1L6S2]	15%	
Identify the serious orthopaedic diseases requiring urgent intervention [1PLO3, 1PLO5, 1PLO14] [1L6S2, 1L6C4]	15%	

Relationship to Program Student Outcomes (Out of 100%)													
PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11	PLO12	PLO13	PLO14
35.42	35.42	5	6.67	5					3.75	3.75			5

Relationship to NQF Outcomes (Out of 100%)					
L6K1	L6S1	L6S2	L6S3	L6C4	L6C5
5	22.5	20	5	27.5	20

Policy	
Attendance rules	<p>Attendance and participation are critical, and the regular university norms will apply.</p> <p>A student is not permitted to be absent for more than 15% of the total number of credit hours given to any course. Each class's attendance will be tracked.</p> <p>A 10% absence will result in a first written notice. If a student misses 15% of the class, the course is dropped, and the student is not entitled to sit for the final exam. If a student has any special circumstances (medical or personal), he or she is advised to discuss this with the instructor, and documented evidence will be requested to remove any absences from his or her attendance records.</p>
Policies	<p>Students must read and follow the internal bylaws of JUST in relation to student conduct bylaws.</p> <p>Students with special needs are highly recommended to register their cases with a valid doctor's report in the student affairs department.</p> <p>Students with special needs shall be subject to special care in coordination with the head of department as per internationally recognized and benchmarked considerations and services</p> <p>The student must seek permission before making any interventions on the subject of the lecture.</p> <p>The student must listen to and respect the opinions of others.</p> <p>The student should not obstruct the course of the lecture</p> <p>Students should not hesitate to ask questions to the instructor.</p> <p>Students should not use their mobile phones during the lecture.</p> <p>Students are strongly encouraged to contact their instructor if they have course-related questions during office hours.</p> <p>Students are recommended to contact their instructor using the LMS.</p> <p>Cheating and Plagiarism are prohibited.</p>

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