



Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Occupational Therapy Department

O.T250 Musculoskeletal Diseases - JNQF Level: 7

Second Semester 2023-2024

Course Catalog

2 Credit Hours. This course builds on the foundation laid with basic pathology, musculoskeletal anatomy, and assessment. The course provides fundamental knowledge in clinical orthopaedics related to rehabilitation sciences including: fractures, soft tissue injuries, arthritis, knee and hip joints replacement, fibromyalgia, and osteoporosis. The course will cover the most common orthopaedic conditions affecting upper extremities, lower extremities, and spine.

Teaching Method: On Campus

Text Book

Title	Essentials of Orthopedics
Author(s)	Ravendra M Shenoy
Edition	1st Edition
Short Name	Ref #1
Other Information	Jaypee Brothers Medical

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref #2	Orthopedic Examination, Evaluation and Intervention	Mark Dutton	2nd Edition	McGrew Hill

Instructor

Name	Dr. Ala'a Jaber
Office Location	L2 -13
Office Hours	Sun : 10:00 - 12:00 Mon : 09:00 - 11:00 Tue : 12:00 - 13:00 Wed : 12:00 - 13:00
Email	afjaber@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: Sun, Tue : 13:30 - 14:30 Room: M4202

Prerequisites		
Line Number	Course Name	Prerequisite Type
1112030	P.T203 Musculoskeletal Anatomy (Lab)	Prerequisite / Study

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Review of the Musculoskeletal System	
Week 2	Fractures	From Ref #1
Week 3	Soft tissues injuries	From Ref #1
Week 4	Rheumatic conditions	From Ref #1
Week 5	Osteoarthritis	From Ref #1
Week 6	Osteoporosis	From Ref #1
Week 7	Congenital Bone Disorders	From Ref #1
Week 8	Osteomalacia	From Ref #1
Week 9	Osteomyelitis	From Ref #1
Week 10	Spinal Deformities	From Ref #1
Week 11	Shoulder conditions	From Ref #1
Week 12	Elbow conditions	From Ref #1
Week 13	Wrist conditions	From Ref #1
Week 14	Fibromyalgia	From Ref #1
Week 15	Muscular Dystrophy	From Ref #1
Week 16	Revision	

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Review main components of the musculoskeletal system [10PLO2] [10L7K1]	10%	First Exam

Explain common disorders affecting different body structures including upper extremities, lowers extremities, and spine with emphasis on client-reported symptoms and clinician-observed signs. [20PLO2, 20PLO3] [40L7K1]	40%	First Exam, Second Exam, Final Exam
Describe the causes and mechanism of bone and soft tissue disorders and injuries. [10PLO2] [10L7K1]	10%	First Exam
Describe the diagnostic imaging and clinical assessments used in the evaluation of individuals with orthopedic disorders. [10PLO2, 10PLO3] [20L7K1]	20%	Second Exam, Final Exam
Understand the basic rehabilitation procedures used in management of orthopedic conditions [5PLO1, 5PLO2] [10L7S2]	10%	Second Exam
Discuss the impact of diseases of muscles and bones on human function and occupational participation. [10PLO2] [10L7K1]	10%	Final Exam

Relationship to Program Student Outcomes (Out of 100%)								
PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9
5	65	30						

Relationship to NQF Outcomes (Out of 100%)	
L7K1	L7S2
90	10

Evaluation	
Assessment Tool	Weight
First Exam	30%
Second Exam	30%
Final Exam	40%

Policy

<p>Course Policies</p>	<p>Statement of Professionalism: Students must adhere to the rules of professional conduct at all times. Examples of unprofessional behavior include but are not limited to: missing classes, talking to others during lecture, leaving a lecture prior to its completion without prior authorization of the instructor, working on other class material during class, inappropriate dress for labs, and sleeping during class.</p> <p>Exams: Exams may include essay and multiple choice questions. It is imperative to attend all exams. Absence in any exam requires the approval of the head of department and the faculty dean in order to prepare and take a Make-up exam.</p> <p>Cheating: All assignments and learning activities should be of the student's own work unless instructed differently. The instructor will follow JUST's roles and regulation in the cases of cheating and/or plagiarism. Group discussions are highly recommended however it's crucial for each student to submit individual assignment, unless I indicate otherwise.</p> <p>Cell phone and pagers: Please do not use cell phones or pagers in class. If you are depended upon for anticipated emergencies, please put cell phones on vibration mode and answer the phone outside the classroom.</p> <p>Attendance: Attendance will not count for points in this class, however attending the lectures and labs will greatly enhance your grade. The student is responsible for any information discussed in lecture and lab sessions. It is imperative to attend all classes!</p> <p>Absences: According to Student Manual (Item 8: B, C & D), students are not allowed to be absent for more than 20% of lectures without any official excuse (and more than 20% with an official excuse). If a student exceeds either cases, he or she will not be allowed to sit for future course exams and will earn the least possible grade for the course (35%), unless the student had already withdrawn from the course (according to item 13: B).</p> <p>Make-up will be granted in the following cases only: Official university activities (with proper documentation). Extenuating circumstances (PRIOR approval should be obtained or direct contact made with the instructor within 24 hours)</p> <p>Feedback: Students are more than welcome to contact the course instructor with any concerns, questions, and/or feedback. Students can contact your instructor at the following e-mail address: afjaber@just.edu.jo.</p>
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