



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

P.T242 Pt In Orthopaedics (1)

Second Semester 2023-2024

Course Catalog

2 Credit Hours. This course builds on previous knowledge of anatomy, pathology, physiology, biomechanics, and musculoskeletal assessment. The course provides fundamental knowledge in clinical musculoskeletal disorders related to physical therapy practice including fractures, soft tissue injuries, arthritis, post-surgical rehabilitation, and bone diseases. Basic assessment methods of musculoskeletal assessment of upper extremity peripheral joints will be introduced in this course and will be related to clinical situations. Physical therapy treatment and rehabilitation of peripheral joints, cervical and cervicothoracic joints will be taught to prepare students for clinical situations. This course will include lectures, active learning, case studies, and students' presentations.

Teaching Method: On Campus

Text Book

Title	1. Clinical Orthopaedic Rehabilitation: An Evidence-Based Approach.
Author(s)	Brent Brotzman.
Edition	3rd Edition
Short Name	Ref 1
Other Information	2017

Instructor

Name	Dr. Mohammad Yabroudi
Office Location	-
Office Hours	Sun : 12:30 - 13:30 Mon : 14:00 - 16:00 Tue : 12:30 - 13:30 Wed : 14:00 - 16:00
Email	m.yabroudi@just.edu.jo

Class Schedule & Room

Section 1:
Lecture Time: Sun, Tue : 09:30 - 10:30
Room: NG76

Prerequisites

Line Number	Course Name	Prerequisite Type
1112231	P.T223 Musculoskeletal Assessment (Lab)	Prerequisite / Study

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Syllabus and Course Expectations	From Ref 1
Week 2	Examination in Physical Therapy Evaluation of the Musculoskeletal System	From Ref 1
Weeks 3, 4	Evaluation and Treatment of Shoulder Instability Evaluation and Treatment of Shoulder Hypomobility	From Ref 1
Week 5	Introduction to fractures Fracture Management & Rehabilitation	From Ref 1
Week 6	Elbow Evaluation Elbow Pathologies and Treatment	From Ref 1
Week 7	Examination of the Wrist and Hand Wrist and Hand Common Pathologies	From Ref 1
Week 8	Upper Quarter Screening Exam Functional Anatomy of Upper Cervical Spine	From Ref 1
Weeks 9, 10, 11	Examination and Treatment of Upper Cervical Spine	From Ref 1
Week 12	Metabolic Disorders & Osteoarthritis	From Ref 1
Weeks 13, 14, 15	Students Presentations	From Ref 1

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
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Relate the patients? signs and symptoms to specific orthopedic conditions. [1PLO1 -K1]	10%	
Differentiate between conditions affecting the upper extremity, cervical, and cervicothoracic joints. [1PLO1 -K1]	10%	
List the procedures, indications, and side effects of common orthopedic surgical procedures for the upper extremity, cervical, and cervicothoracic joint. [1PLO1 -K1]	10%	
Analyze the findings of the subjective and objective examinations, and the physical dysfunction related to specific orthopedic conditions related to the upper extremity, cervical, and cervicothoracic joint. [1PLO4-S1]	15%	
Apply manual therapy skills for the upper extremity, cervical, and cervicothoracic joint. [1PLO6-S3]	10%	
Conduct a comprehensive subjective examination related to the upper extremity, cervical, and cervicothoracic joint. [1PLO4-S1]	15%	
Select an appropriate objective examination related to the clinical scenario. [1PLO3-C3]	15%	
Select an appropriate plan of care based on subjective and objective assessment. [1PLO8-C3]	15%	

Relationship to Program Student Outcomes (Out of 100%)															
PLO1 -K1	PLO2- C3	PLO3- C3	PLO4- S1	PLO5- S2	PLO6- S3	PLO7- S3	PLO8- C3	PLO9- C2	PLO10- C1	MS_PLO1_K1	MS_PLO2_K2	MS_PLO3_K3	MS_PLO4_S1	MS_PLO5_S2	MS_PLO6_C1
30		15	30		10		15								

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