



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

P.T244 Pt In Orthopaedics (1) Lab

Second Semester 2023-2024

**Course Catalog**

1 Credit Hours. This course builds on previous knowledge and skills in anatomy, biomechanics, musculoskeletal assessment, and physical therapy for orthopedics (1). The course provides skills and knowledge of basic assessment methods in musculoskeletal physical therapy of the upper extremity and cervical spine and will be related to clinical situations. Physical therapy treatment and rehabilitation of upper extremity and cervical spine will be taught to prepare students for clinical situations. This course will be taught by active learning, case studies and lab demonstrations.

**Teaching Method:** On Campus

**Text Book**

<b>Title</b>	Orthopedic Examination Evaluation and Intervention.
<b>Author(s)</b>	Mark Dutton
<b>Edition</b>	1st Edition
<b>Short Name</b>	Ref 1
<b>Other Information</b>	2017

**Instructor**

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

**Class Schedule & Room**

Section 1:  
 Lecture Time: Sun : 10:30 - 12:30  
 Room: LAB

Section 2:  
 Lecture Time: Sun : 13:30 - 15:30  
 Room: LAB

Section 3:  
 Lecture Time: Tue : 10:30 - 12:30  
 Room: LAB

Section 4:  
 Lecture Time: Tue : 13:30 - 15:30  
 Room: LAB

Section 5:  
 Lecture Time: Thu : 10:30 - 12:30  
 Room: LAB

Section 6:  
 Lecture Time: Thu : 13:30 - 15:30  
 Room: LAB

Section 7:  
 Lecture Time: Thu : 15:30 - 17:30  
 Room: LAB

**Tentative List of Topics Covered**

<b>Weeks</b>	<b>Topic</b>	<b>References</b>
Week 1	Subjective and Objective Examinations	From <b>Ref 1</b>
Weeks 2, 3, 4	Shoulder Assessment	From <b>Ref 1</b>
Weeks 5, 6	Elbow Assessment	From <b>Ref 1</b>
Weeks 7, 8	Wrist and Hand Assessment	From <b>Ref 1</b>

Week 9	Upper Quarter Screening	From Ref 1
Weeks 10, 11	Upper Cervical Joints Assessment	From Ref 1
Weeks 12, 13	Mid and Lower Cervical Joints Assessment	From Ref 1
Week 14	Cervicothoracic joint assessment & treatment	From Ref 1

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Select an appropriate objective examination and differential diagnosis related to a clinical scenario. [1PLO1 -K1]	20%	
Analyze the physical dysfunction related to specific orthopedic conditions affecting the upper extremity, cervical, and cervicothoracic joint. [1PLO7-S3]	10%	
Apply basic ROM, MMT, inspection, and palpation examination for the upper extremity, cervical, and cervicothoracic joint. [1PLO4-S1]	10%	
Apply manual therapy skills for assessment and treatment of upper extremity peripheral joints. [1PLO4-S1]	10%	
Apply manual therapy skills for assessment and treatment of the cervical spine. [1PLO6-S3]	15%	
Prescribe and apply relative therapeutic exercise skills. [1PLO3-C3]	20%	
Select an appropriate plan of care based on subjective and objective assessment. [1PLO3-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
20		35	20		15	10									

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