



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

P.T343 Pt In Orthopaedics (2) Lab

First 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 lower extremity, thoracic and lumbar spine, and sacroiliac joint will be related to clinical situations. Physical therapy treatment and rehabilitation of the lower extremity and thoracic and lumbar spine, and sacroiliac joint 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>	2nd 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 : 14:30 - 15:30 Mon : 10:00 - 12:00 Wed : 09:00 - 11:00 Thu : 10:00 - 11:00
<b>Email</b>	m.yabroudi@just.edu.jo

**Class Schedule & Room**

Section 1:  
Lecture Time: Sun : 11:30 - 14:30  
Room: LAB

Section 2:  
Lecture Time: Tue : 11:30 - 14:30  
Room: LAB

Section 3:  
Lecture Time: Thu : 11:30 - 14:30  
Room: LAB

Section 4:  
Lecture Time: Mon : 14:30 - 16:30  
Room: LAB

**Tentative List of Topics Covered**

<b>Weeks</b>	<b>Topic</b>	<b>References</b>
Week 1	Assessment and Plan of Care Writing in Orthopedics	From <b>Ref 1</b>
Week 2	Thoracic Spine & Lower Quarter Screening	From <b>Ref 1</b>
Week 3	Manual therapy for Thoracic Spine	From <b>Ref 1</b>
Week 4	Lumbar Spine and Sacroiliac Joint Assessment	From <b>Ref 1</b>
Weeks 5, 6	Manual Therapy for Lumbar Spine & Sacroiliac Joint I	From <b>Ref 1</b>
Week 7	Therapeutic Exercises for Lumbar Spine	From <b>Ref 1</b>
Week 8	Neurodynamics	From <b>Ref 1</b>
Weeks 9, 10	Hip Assessment and Treatment	From <b>Ref 1</b>
Weeks 11, 12	Knee Assessment and Treatment	From <b>Ref 1</b>
Weeks 13, 14	Foot & Ankle Assessment and Treatment	From <b>Ref 1</b>

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Understand the 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 lower extremity, thoracic and lumbar spine, and sacroiliac joint. [1PLO6-S2]	10%	
Apply basic ROM, MMT, inspection, and palpation examination for the lower extremity, thoracic and lumbar spine, and sacroiliac joint. [1PLO6-S2]	15%	
Apply manual therapy skills for assessment and treatment of lower extremity peripheral joints. [1PLO6-S2]	15%	
Apply manual therapy skills for assessment and treatment of the thoracic and lumbar spine and sacroiliac joint. [1PLO6-S2]	10%	
Prescribe and apply relative therapeutic exercise skills. [1PLO9-C2]	15%	
Select an appropriate plan of care based on subjective and objective assessment. [1PLO8-C1]	15%	

Relationship to Program Student Outcomes (Out of 100%)															
PLO1 -K1	PLO8- C1	PLO9- C2	PLO5- S1	PLO2- K2	PLO3- K3	PLO6- S2	PLO4- K4	PLO10- C3	PLO7- S3	MS_PLO1_K1	MS_PLO2_K2	MS_PLO3_K3	MS_PLO4_S1	MS_PLO5_S2	MS_PLO6_C1
20	15	15				50									

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