



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

P.T755 Special Topics In Physical Therapy
First Semester 2024-2025

Course Catalog
1 Credit Hours. This course handles selected topics in the area of physical therapy. Special topics addressed in this course will vary according to the professional interests and clinical expertise of students and will be announced ahead when the course is available. Special topics will cover best practice recommendations for conditions within the scope of physical therapy practice. The latest evidence for planning, implementing effective interventions, and assessing outcomes will be explored.
<b>Teaching Method:</b> On Campus

Text Book	
<b>Title</b>	Comprehensive Pain Management in the Rehabilitation Patient
<b>Author(s)</b>	Alexios Carayannopoulos DO MPH
<b>Edition</b>	1st Edition
<b>Short Name</b>	Ref 1
<b>Other Information</b>	2017

Instructor	
<b>Name</b>	Dr. Mohammad Alwardat
<b>Office Location</b>	Ground Floor L1-10
<b>Office Hours</b>	Sun : 12:30 - 14:30 Mon : 10:30 - 11:30 Tue : 09:00 - 11:00 Wed : 10:30 - 11:30 Thu : 09:30 - 11:30
<b>Email</b>	msalwardat@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: Thu : 13:30 - 14:30 Room: M4203

Tentative List of Topics Covered		
Weeks	Topic	References
Weeks 1, 2	Physiological Mechanisms and Pathological Aspects of Pain	From Ref 1
Week 3	Classification and Characteristics of Specific Pain Types	From Ref 1
Week 4	Clinical Manifestations and Management of Severe and Chronic Pain Conditions	From Ref 1
Week 5	Comprehensive Assessment and Evaluation of Patients with Chronic Pain	From Ref 1
Week 6	Pharmacological Interventions and Surgical Approaches in Pain Management	From Ref 1
Week 7	Complementary Therapies and Non-Invasive Techniques in Pain Management	From Ref 1
Week 8	Utilization of Electrical Stimulation Modalities in Pain Management	From Ref 1
Week 9	Application of Phototherapy in the Management of Pain	From Ref 1
Weeks 10, 11	Utilization of Cognitive Behavioral Therapy in the Management of Pain	From Ref 1
Weeks 12, 13	Pathophysiology and Management Strategies for Chronic Back Pain	From Ref 1
Week 14	Clinical Features and Multidisciplinary Approaches to Managing Fibromyalgia	From Ref 1

<b>Mapping of Course Outcomes to Program Outcomes</b>	<b>Course Outcome Weight (Out of 100%)</b>	<b>Assessment method</b>
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Understand the basic role, pathophysiology, and types of chronic pain. [1PLO1-MS]	20%	
Apply assessment and diagnosis of chronic pain. [1PLO4-MS]	20%	
Establish and apply an effective treatment plan for patients with chronic pain. [1PLO5-MS]	20%	
Create and develop an evidence-based, comprehensive, multimodal treatment plan for chronic pain. [1PLO7-MS]	40%	

Relationship to Program Student Outcomes (Out of 100%)																			
PLO1-K1	PLO2-K2	PLO3-K3	PLO4-K4	PLO5-S1	PLO6-S2	PLO7-S3	PLO8-C1	PLO9-C2	PLO10-C3	PLO1-MS	PLO2-MS	PLO3-MS	PLO4-MS	PLO5-MS	PLO6-MS	PLO7-MS	PLO8-MS	PLO9-MS	PLO10-MS
										20			20	20		40			

Evaluation	
Assessment Tool	Weight
Assignments	30%
Presentation	30%
Final exam	40%

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