



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

P.T354 Pt In Neurology (2) - JNQF Level: 7
Second Semester 2023-2024

Course Catalog
2 Credit Hours. Understanding the pathophysiology and prognosis of different neurological conditions. Utilizing various assessment and interventions techniques for the management of neurological conditions will be emphasized.
Teaching Method: On Campus

Text Book	
Title	Neurologic Interventions for Physical Therapy
Author(s)	Suzanne 'Tink' Martin and Mary Kessler
Edition	4th Edition
Short Name	Ref 1
Other Information	

Instructor	
Name	Dr. Mohammad Alwardat
Office Location	Ground Floor L1-10
Office Hours	Sun : 14:00 - 15:30 Mon : 10:00 - 12:00 Tue : 14:00 - 15:30 Wed : 10:00 - 12:00
Email	msalwardat@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: Mon, Wed : 13:00 - 14:00 Room: NB53

Prerequisites		
Line Number	Course Name	Prerequisite Type
1113530	P.T353 Pt In Neurology (1) Lab	Prerequisite / Study

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Course introduction	From Ref 1
Weeks 2, 3, 4	Spinal Cord injury	From Ref 1
Weeks 5, 6, 7	Multiple Sclerosis	From Ref 1
Weeks 8, 9	Amyotrophic Lateral Sclerosis	From Ref 1
Week 10	Cerebellar Disorders	From Ref 1
Week 11	Vestibular Disorders	From Ref 1
Week 12	Guillain-Barre? Syndrome	From Ref 1
Week 13	Postpolio Syndrome	From Ref 1
Week 14	Case studies discussion	From Ref 1
Week 15	Revision	From Ref 1

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Recognize and recall the key pathophysiological mechanisms underlying common neurological conditions such as spinal cord injury, multiple sclerosis, and amyotrophic lateral sclerosis. [1PLO1 -K1][1L7K1]	30%	Midterm Exam

Explain the clinical manifestations and prognosis associated with different neurological disorders, including cerebellar disorders, vestibular disorders, Guillain-Barre Syndrome, and Postpolio Syndrome. [1PLO1 -K1] [1L7K1]	20%	Midterm Exam
Apply appropriate assessment techniques to evaluate the functional limitations and impairments in patients with neurological conditions, utilizing standardized assessment tools and clinical reasoning skills. [1PLO6-S2] [1L7S3]	20%	Midterm Exam
Analyze case studies of individuals with neurological disorders to identify relevant impairments, functional limitations, and environmental factors influencing their participation and quality of life. [1PLO6-S2] [1L7S3]	10%	Final exam
Critically evaluate the effectiveness of various physical therapy interventions in managing neurological conditions, considering evidence-based practices, patient preferences, and outcomes measures. [1PLO4-K4] [1L7C4]	10%	Final exam
Develop comprehensive rehabilitation plans tailored to the individual needs and goals of patients with neurological disorders, integrating a multidisciplinary approach and adaptive strategies to optimize functional outcomes and quality of life. [1PLO6-S2] [1L7S2]	10%	Final exam

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	MS_PLO1_K1	MS_PLO2_K2	MS_PLO3_K3	MS_PLO4_S1	MS_PLO5_S2	MS_PLO6_C1
50			10		40										

Relationship to NQF Outcomes (Out of 100%)			
L7K1	L7S2	L7S3	L7C4
50	10	30	10

Evaluation	
Assessment Tool	Weight
Midterm Exam	50%
Final exam	50%

Policy	
Teaching & Learning Methods	The theoretical part of this course is given in the form of two hours every week. ? Power point presentation using a computer, data show and screen. ? Class discussion. Teaching duration: ? Duration: 15 weeks ? Lectures: 30 lecture, 60 minutes each, including midterm and final examinations
Attendance policy	? Students are expected to attend more than 90% of lectures. ? All absences will be entered electronically into the University site. ? If absence is more than 10% student will be banned from the course after electronic notification from the university through student e-mail.
Expected workload	Students are expected to take every effort to ensure satisfactory learning of the material given.
Feedback	Concerns or complaints should be expressed in the first instance to the course instructor. If no resolution is forthcoming, the issue should be brought to the attention of the Department Chair and if still unresolved to the Dean. Questions about the material covered in the lecture and notes on the content of the course can also be sent to msalwardat@just.edu.jo.

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