



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

P.T351 Pt In Neurology (1) - JNQF Level: 7

First Semester 2023-2024

Course Catalog

2 Credit Hours. Understanding the physical therapy assessment and intervention techniques for neurological conditions and diseases.

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 : 09:30 - 11:00 Mon : 09:00 - 10:30 Tue : 09:30 - 11:30 Wed : 09:00 - 10:30 Thu : 09:30 - 11:00
Email	msalwardat@just.edu.jo

Class Schedule & Room

Section 1:
Lecture Time: Mon, Wed : 10:30 - 11:30
Room: SOUTH HALL

Prerequisites		
Line Number	Course Name	Prerequisite Type
102261	MED226 Neuroscience (1)	Prerequisite / Study

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Course introduction and The Roles of the Physical Therapist in Neurologic Rehabilitation	Handouts From Ref 1
Weeks 2, 3	Neurological examination	Handouts From Ref 1
Weeks 4, 5	Motor Control and Learning	Handouts From Ref 1
Week 6	Upper and lower motor neuron	Handouts From Ref 1
Weeks 7, 8, 9	Cerebrovascular Accident (CVA)	Handouts From Ref 1
Weeks 10, 11	Traumatic Brain Injury (TBI)	Handouts From Ref 1
Weeks 12, 13	Parkinson Disease (PD)	Handouts From Ref 1
Week 14	Case studies discussion	Videos From Ref 1
Week 15	Revision	

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Apply the International Classification of Functioning (ICF) model to people with neurological disorders and recognize the individual bio-psycho-social, and environmental and contextual factors affecting health, rehabilitation, and disease management. [1PLO1] [1L7K1]	30%	First exam, Final exam
Define and discuss principles of normal motor control and how they relate to normal development and control in pathological conditions. [10PLO1][1L7K1]	10%	First exam, Second exam, Final exam
Perform components of neurological assessment (including postural and balance control, motor and sensory evaluations, and functional mobility assessments) and interpret assessment results. [1PLO7] [1L7S1, 1L7S2, 1L7C2]	20%	First exam, Second exam, Final exam

Demonstrate appropriate medical knowledge about different neurological conditions such as stroke, traumatic brain injuries, and movement disorders. [1PLO1] [1L7K1, 1L7S2]	20%	First exam, Final exam
Demonstrate an evidence-based choice and application of appropriate treatment interventions [1PLO5] [1L7S1, 1L7S2]	20%	Final exam

Relationship to Program Student Outcomes (Out of 100%)									
PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10
60				20		20			

Relationship to NQF Outcomes (Out of 100%)			
L7K1	L7S1	L7S2	L7C2
50	16.67	26.67	6.67

Evaluation	
Assessment Tool	Weight
First exam	30%
Second exam	30%
Final exam	40%

Policy	
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, then 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 be also sent to my e-mail address above.

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