



Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Paramedics Department

PARA441 Paramedic Management Of Neurological And Psychological Emergencies - JNQF Level: 7

First Semester 2023-2024

Course Catalog

3 Credit Hours. This course will address the management principles for the patient with a variety of neurological and psychological conditions. It also presents information and provides practice situations from the paramedic perspective related to the emotional aspects of illness and injury, emergencies of behavioral origin, drug maintenance related to behavioral emergencies, management techniques for suicidal situations and rape crisis. Moreover, it will address the appropriate measures to ensure the safety of the paramedic the patient, and others. Furthermore, it provides the techniques needed for physical assessment in a patient with behavioral problems, and methods to systemically gather information from the disturbed patients

Teaching Method: Blended

Text Book

Title	Paramedic Practice Today: above and beyond
Author(s)	Barbara Aehlert (Ed.)
Edition	2nd Edition
Short Name	Ref#1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref #2	Essentials of Paramedic Care	Bryan E. Beldose, Robert S. Potter, and Richard A. Cherry	2nd Edition	
Ref3	Paramedic Principles and Practice: A Clinical Reasoning Approach	Brett Williams, Linda Ross	2nd Edition	

Instructor

Name	Dr. Alaa Oteir
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Office Location	-
Office Hours	Sun : 11:00 - 12:30 Mon : 11:00 - 13:00 Tue : 11:30 - 13:00 Thu : 11:00 - 12:00
Email	aooteir@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: Sun, Tue : 08:30 - 09:30 Room: M3306

Prerequisites		
Line Number	Course Name	Prerequisite Type
132240	PARA224 Health Assessment Lab	Prerequisite / Study
133090	PARA309 Paramedic Communication Skills	Prerequisite / Study

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Nervous system anatomy	From Ref#1 , From Ref #2
Week 2	Neurological emergencies	From Ref#1 , From Ref #2
Weeks 2, 3	Syncope and Headache	From Ref#1 , From Ref #2
Weeks 4, 5	Seizures	From Ref#1 , From Ref #2
Weeks 5, 6	Stroke and TIA	From Ref#1 , From Ref #2
Weeks 6, 7	Degenerative Disorders	From Ref#1 , From Ref #2
Week 8	Brain Abscess	From Ref#1 , From Ref #2
Week 8	Brain Tumors	From Ref#1 , From Ref #2
Weeks 9, 10	Spinal-Column Cord injuries	From Ref#1 , From Ref #2
Week 11	Schizophrenia & psychiatric disorders	From Ref#1 , From Ref #2

Week 12	Personality disorders	From Ref#1, From Ref #2
Week 12	Mood disorders and amnestic disorders	From Ref#1, From Ref #2
Weeks 13, 14	Different disorders and behavioral emergencies	From Ref#1, From Ref #2
Week 15	Review	From Ref#1, From Ref #2

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Describe the incidence, morbidity and mortality of neurological emergencies and identify the risk factors for the diseases of the nervous system [1PLO 1, 1PLO 2, 1PLO 3] [1L7K1]	25%	
Define and discuss the anatomy, physiology pathophysiology, assessment finding, and management neurological emergencies [1PLO 1, 1PLO 2, 1PLO 3] [1L7K1]	25%	
Define behavior and distinguish among normal behavior, abnormal behavior, and the behavioral emergency as well as the pathophysiology of behavioral and psychiatric disorders [1PLO 1, 1PLO 2, 1PLO 3] [1L7K1]	25%	
Describe and deploy the prehospital techniques and acquire the skills to deal with neurological and behavioral emergencies [1PLO 5, 1PLO 6, 1PLO 7] [1L7C1, 1L7C2, 1L7C3, 1L7C4]	25%	

Relationship to Program Student Outcomes (Out of 100%)								
PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9
25	25	25		8.33	8.33	8.33		

Relationship to NQF Outcomes (Out of 100%)				
L7K1	L7C1	L7C2	L7C3	L7C4
75	6.25	6.25	6.25	6.25

Policy	
Teaching & Learning Methods	Textbooks, handouts, audio-video presentations, power point presentations, and practical demonstrations will be used to accomplish the objectives as well as the expected outcomes. Teaching duration Duration: 16 weeks including final exams week Lectures: 40 lectures, 50 minutes each Lectures will be conducted online through Microsoft teams and recorded videos

Academic integrity	All graded clinical forms and documentations must be your own work. Plagiarism is prohibited, penalties will be applied in case by case scenario Each student is responsible to have their daily documentations signed by their preceptors at each department, unit, or station.
Attendance	Full attendance is expected. Penalties will apply to those who violate JUST's attendance policies JUST policy requires the faculty member to assign ZERO grade (35) if a student misses 20% of the classes without valid excuses
Feedback	Concerns or complaints should be expressed in the first instance to the course instructor. content of the course, its teaching and assessment methods can be also sent by e-mail to the following address aoteir@just.edu.jo
Important note	The course instructor has the right to change this outline as well as the course content. The students will be informed of any changes.

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