Jordan University of Science and Technology

Faculty of Medicine

Doctor Of Medicine Department

MED713 Neuroanatomy

First Semester 2021-2022

Course Catalog
3 Credit Hours. This course studies the structure, relationships, connections and functions of the different parts of the human nervous system. Throughout the course, correlations are made between the different structures. During the course and whenever relevant the students are exposed to clinical problems to emphasize the explanations of symptoms, signs, investigations and forms of treatments. Practical sessions are planned to be stations around tables to give students the opportunity to expose their knowledge for discussion and confirm concepts learned in lectures.

Text Book	
Title	Clinical Neuroanatomy
Author(s)	Richard Snell
Edition	8th Edition
Short Name	Ref #1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref #2	Clinical Anatomy by Regions	Richard Snell	9th Edition	
Ref #3	Before we are born	Morre and Persaud	8th Edition	

Instructor	
Name	**Dr. Nour Erekat**
Office Location	M6L0
Office Hours	
Email	nserekat@just.edu.jo

Class Schedule & Room

Section 1:
Lecture Time: Mon : 14:00 - 17:00
Room: LAB

Tentative List of Topics Covered		
Weeks	**Topic**	**References**
Week 1	Orientation	
Week 2	Neurohistology and organization of the nervous system	From **Ref #1**
Week 3	Brain	From **Ref #1**
Week 4	Spinal cord	From **Ref #1**
Week 5	Sensory pathways from the limbs and trunk	From **Ref #1**
Week 6	Motor pathways to the limbs and trunk	From **Ref #1**
Week 7	Brainstem	From **Ref #1**
Week 8	Sensory and motor pathways from and to face	From **Ref #1**
Week 9	Visual, and auditory pathways	From **Ref #1**, From **Ref #2**
Week 10	Cerebellum	From **Ref #1**
Week 11	Basal ganglia and extrapyramidal system	From **Ref #1**
Week 12	Autonomic nervous system	From **Ref #1**
Week 13	Blood supply of the CNS	From **Ref #1**
Week 14	Ventricular system	From **Ref #1**
Week 15	Development of the nervous system	From **Ref #3**

Mapping of Course Outcomes to Program Student Outcomes	**Course Outcome Weight (Out of 100%)**	**Assessment method**
Describe the gross features of the human central nervous system (brain and spinal cord), including brain coverings	40%	
Describe the blood supply of the central nervous system and the neurological deficits that can result from the vascular abnormalities.	10%	
Analyze the structures conveying information to and from the central nervous system, and describe the motor and general sensory pathways	20%	
Describe the pathways that convey the special sensory information.	20%	
Describe the development of the nervous system and the correlated anomalies	10%	