

Course Description

Department: Medical Rehabilitation Sciences

1439-1440 H Academic Year – Semester-II

Office: C/3/139 Tel: 017241 Ext: 8594 E-mail: kmeny@kku.edu.sa

Course name	Neuro Physiology
Course number	PSL-242
Credit Hours (teaching units)	2 Credit Hours (1 Hour Lecturer + 1 Hour Lab per week)
College	College of Applied Medical Sciences
Targeted Students	Level -4
Pre-requisite	PSL 223
Name of Coordinator	Mr. Kumar Gular

Course Description

Course Objectives

The course intends for the students to have basic knowledge of Neurophysiology and theoretical concept behind it. This level of knowledge is required for understanding the basic concepts of the neurophysiology. The practical sessions allow the student to apply the basic principles of Physiological mechanism of the function of nervous system, which are important in the practice of clinical medicine & therapeutics. In the process, the students should acquire the appropriate cognitive and psychomotor skills needed.

Main Textbook

1. Ganong's Review of Medical Physiology, 24th Edition (LANGE Basic Science) 24th Edition by Kim E. Barrett (Author), Susan M. Barman (Author), Scott Boitano (Author), Heddwen Brooks (Author)

Mark Distribution

Assessment Tasks for Students during the course

#	Assessment task*	Week Due	Proportion of Total Assessment
1	1 st Continuous Assessment Theory and Lab Assessment; Discussions	5 th	25%
2	2 nd Continuous Assessment Theory and Lab Assessment; Discussions	11 th	25%
3	Final lab Assessment	15 th	25%
4	Final theory Assessment	17 th	25%
	Total		100

Distribution of Course Lectures and Practical Classes

Topics to be covered

List of Topics		Contact Hours
1	Introduction to Nervous system	1
2	Synapse & Neuro transmitters	1
3	Autonomic Nervous System	1
4	Brain	1
5	Motor system	1
6	Somato sensory system	1
7	Special Senses	1
8	Special Senses	1
9	Vestibular System	1
10	CNS & Voluntary Control	1
11	Skeletal Muscle excitation-contraction – coupling mechanism	1
12	Cerebellum	1
13	Basal Ganglia	1
14	Neuro muscular junction	1
Practical topics		1
	Introduction to Nervous system	1
	Synapse & Neuro transmitters	1
	Autonomic Nervous System	1
	Brain	1
	Motor system	1
	Somato sensory system	1
	Special Senses	1
	Special Senses	1
	Vestibular System	1
	CNS & Voluntary Control	1
	Skeletal Muscle excitation-contraction – coupling mechanism	1
	Cerebellum	1
	Basal Ganglia	1
	Neuro muscular junction	1