課程大綱及進度表

開課系所  物理治療學系
開課學年  101學年度
開課學期  第2學期
課程名稱  神經解剖學
Course  Neuroanatomy
課程碼  I621601
分班碼
先修科目  無
學分數  1
開課教師  楊政峰
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Office  Monday 1:00 - 5:00 PM
Hours
課程概述  This course is designed for the students of physical therapy. The materials covers the structures and functions of the nervous system, emphasizing the context related to human movement.

教學目標  Upon the completion of this course, the students should be able to
1. illustrate and identify the brain structures;
2. describe how the sensory and motor system function;
3. appreciate the interrelation between anatomical structure and function of the nervous system;
4. understand the blood supply to the brain areas and the circulation of cerebrospinal fluid.
大綱明細

02/20  Introduction
02/27  Cerebral topography/ Midbrain, hindbrain, spinal cord (Ch. 2 & 3)
03/06  Meninges/ Blood supply of the brain (Ch. 4 & 5)
03/13  Lab I
03/20  Innervation of muscles, joints, and skin (Ch. 10 & 11)
03/27  Spinal cord: ascending & descending (Ch. 15 & 16)
04/10  Written midterm exam
04/17  Brain stem/ Trigeminal nerve/ Facial nerve/ Vestibular nerve (Ch. 17, 19, 21, 22)
04/24  Reticular formation/ Thalamus (Ch. 24, 27)
05/01  Cerebellum (Ch. 25)
05/08  Lab II
05/15  Cerebral cortex (Ch. 29)
05/22  Hemispheric asymmetries (Ch. 32)
05/29  Basal ganglia (Ch. 33)
06/05  Lab III
06/19  Written & lab final exam

參考書目
❖ FitzGerald MJT, Gruener G, Mtui E.: Clinical neuroanatomy and neuroscience (5th eds.) Elsevier Saunders, 2007

課程要求
Attend the classes and participate in discussion.

評量方式
Lecture:
Class Participation: 10%, Midterm Exam: 45%, Final Exam: 45%.

Lab:
Class Participation: 10%, Final Exam: 90%.

課程網址
http://moodle.ncku.edu.tw

助教資訊

備註