

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

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|----------------------------|---------------------------|
| Course name | Neuroanatomy & Physiology |
| Course number | DENT2151 |
| Faculty | |
| Department | |
| Course type | Major Needs |
| Course level | 2 |
| Credit hours (theoretical) | 1 |
| Credit hours (practical) | 0 |
| Course Prerequisites | |

Course Objectives

- 1 - This is a comprehensive course of the structure of the nervous system of the human body. The course emphasizes basic anatomical terminology, landmarks, and a complete description of the skeletal, muscular, lymphatic, vascular, and innervation systems. The course is consisting of lectures, demonstrations and dissection videos. Students will be introduced to the fundamental structural and functional principles of these regions.

Course Contents

- 1 - External Anatomy of the Brain Cerebrum or cerebral hemisphere Cerebellum Brainstem Spinal cord Lobes: frontal, parietal, temporal, occipital Insula Uncus Cerebral cortex Central sulcus or Rolandie sulcus Precentral and postcentral gyri Lateral Sulcus or Sylvian fissure Longitudinal Fissure or Sagittal fissure Corpus callosum (including splenium, body and genu) Medulla Pons Midbrain or mesencephalon Diencephalon (Thalamus, Hypothalamus) 3rd ventricle Septum pellucidum Cingulate gyrus Olfactory tract Optic nerve, optic chiasm and optic tract Pyramidal decussation

Teaching and Learning Methods

- 1 - Power point lectures 2 - Clinical discussions & demonstrations on patients/live models 3 - Clinical sessions under supervision by staff