UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Neuroanatomy

2021-1-I0201D131-I0201D105M

Aims

The course will provide the anatomical basis to understand the functional organization of the central nervous system.

Contents

The course will provide the anatomical basis to understand the functional organization of the central nervous system

Detailed program

Spinal Cord: overview, architecture and structure, gray matter, white matter - Brain stem: architecture, structure and cytoarchitecture

Cerebellum: architecture, structure and cytoarchitecture

Diencephalon: architecture, structure and cytoarchitecture

Telencephalus and basal ganglia: architecture, structure and cytoarchitecture

Pathways of general somatic sensitivity and specific sensitivities (visual, auditory and vestibular)

Voluntary movements: pyramidal tract and multineuronal pathways, control systems (cerebellum and basal ganglia)

Anatomical organization of the structures involved in the visceral functions and emotional and instinctive life, the limbic system

Organization and connections of the anatomical structures involved in cognitive and mental activity, the telencephalic cortex

Prerequisites

College-level scientific knowledge

Teaching form

Frontal lessons. During Covid-19 emergency, lessons will be provided in a blended way: partially in presence, and partially by recorded lessons, which will be uploaded on the e-learning platform within 1-2 days.

Textbook and teaching resource

- A. Vercelli, Anatomia Umana Funzionale, Minerva Medica

- Martini, Anatomia Umana, Edises

Semester

2nd term

Assessment method

Multiple choice written test, with the possibility to assess the level of competence by means of an oral examination.

During the Covid-19 emergency the examination will be performed only online, by the Webex platform (the link to attend to the examination will be posted on the E-learning page of the course).

Office hours

Mon-Fri by appointment