UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Neuroanatomy and Neurophysiology

2526-1-I0201D131

Aims

The course aims to provide students with a thorough understanding of the role of the nervous system in the generation of goal-directed movement. Particular emphasis will be placed on the relationship between structure and function—an essential concept for the proper comprehension of the topics covered. Selected examples of pathological conditions will be introduced to illustrate the consequences of structural and functional alterations in the organs involved.

The knowledge and skills acquired during the course will enable students to engage constructively with medical professionals, when necessary.

Contents

Nervous system anatomy

Neurophysiology

Method of analyzing nervous activity

Detailed program

Described in the subject's syllabus

Prerequisites

High school knowledge

Teaching form

Lectures in attendance.
Further details are described in each module.

Textbook and teaching resource

Books and handouts suggested in each subjects

Semester

2nd term

Assessment method

20 Written test with multiple choice tests and 2 open questions on the exam program, to extensively and intensively check the knowledge.
Multiple choice tests on programs of Neuroanatomia I and II, Neurologia and Neurofisiologia; open questions on Neurofisiologia del Movimento and Controllo Motorio.
The correctness and consistency of the answers with respect to the question asked will be evaluated.
There are no mid-course evaluations.

Grading will follow the general criteria below:
18–19: Basic understanding of a limited number of topics from the syllabus. Limited critical thinking; exposition and terminology may be inaccurate or unclear.
20–23: Partial coverage of the syllabus topics. Limited independent analysis; generally correct terminology, though not always precise or fluent; exposition may lack clarity.
24–27: Broad coverage of the topics. Good critical analysis and ability to apply knowledge in context; correct and appropriate use of terminology.
28–30/30 cum laude: Complete and in-depth knowledge of all topics in the syllabus. Strong analytical and critical thinking skills; ability to make connections across topics; excellent command of terminology and articulate, well-structured exposition and argumentation.

Office hours

by appointment

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | GENDER EQUALITY