



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Neuroanatomy

2122-1-I0202D139-I0202D100M

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#### 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**

Lectures.

Lessons will be in presence, unless otherwise provided by any ministerial changes following the COVID pandemic situation.

## **Textbook and teaching resource**

- A. Vercelli, Anatomia Umana Funzionale, Minerva Medica
- Martini, Anatomia Umana, Edises

## **Semester**

2nd term

## **Assessment method**

Multiple choice written test + 1 open-ended question, with the possibility to assess the level of competence by means of oral examination.

## **Office hours**

Mon-Fri by appointment

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