



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Neurophysiology

2021-1-I0202D139-I0202D141M

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#### Aims

After completing this course, students will have acquired the knowledge and skills of the physiology of higher psychic functions,

#### Contents

NEUROPHYSIOLOGY: The synapses. The receptors. The proprioceptors. The sensory systems. The resting and action potential. The ion channels. Breathing.

#### Detailed program

##### NEUROPHYSIOLOGY

- ? The synapses
- ? The receptors
- ? The muscle-tendon proprioceptors
- ? The vestibular proprioceptors
- ? The sensory systems
- ? Somoesthetic sensitivity
- ? Heat - pain sensitivity

- ? Sight
- ? Hearing
- ? Smell
- ? Taste
- ? The resting and action potential
- ? The ion channels
- ? Breathing (respiratory system development and control of breath)

## **Prerequisites**

Objectives of the course Bases of Movement

## **Teaching form**

Lectures

During the Covid-19 emergency period, lessons will take place remotely asynchronously or videoconference with some events in synchronously and some in physical presence.

## **Textbook and teaching resource**

1. F. Baldissare, Fisiologia e Biofisica Medica, IV Ed., Poletto Ed., 2009

## **Semester**

Second Semester

## **Assessment method**

Written exam: quizzes with single / multiple choice and open questions with brief answer.

Final oral exam at the discretion of the teacher or on the student's proposal regarding the project

During the Covid-19 emergency period the exam will take place electronically with proctoring control.

**Office hours**

You receive by appointment

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