



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Neurophysiology

2526-1-I0202D149-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**

4 Lectures 2h/each, in presence and in italian.

## **Textbook and teaching resource**

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

## **Semester**

2nd term

## **Assessment method**

Written exam, integrated with the other teaching units: quizzes with multiple choice questions and an open question with brief answer.

## **Office hours**

By appointment

**Sustainable Development Goals**

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

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