UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Assessment and Enhancement of Sensorimotor Functions

2324-2-F5104P046

Learning area

METHODS AND TECHNIQUES FOR TREATMENT AND REHABILITATION

Learning objectives

Knowledge and understanding

Assessment of sensory-motor functions in healthy and brain-damaged individuals. Basic diagnostic tools and rehabilitative paradigms of psychological relevance.

Applying knowledge and understanding

Knowledge of principles and procedures for the assessment of sensory-motor functions and their application for both clinical and research purposes.

Contents

The course will provide an in depth overview of the main diseases associated with motor or sensory deficits. We will discuss the most common rehabilitation procedures and the instruments to assess their efficacy. The students will learn the methodology necessary to elaborate rehabilitation protocols and will be asked to write a proposal for the rehabilitation of a specific sensorimotor deficit.

Detailed program

• Assessment of acquired primary and secondary motor deficits.
• Rehabilitation of motor deficits.
• The principles at the basis of rehabilitation protocols.
• Proposal of a rehabilitation protocol to target a specific sensorimotor deficit.

Prerequisites

A good background on cognitive neuroscience and neuropsychological rehabilitation allows a more informed participation to the lab.

Teaching methods

Lectures, discussion, video, practical training.

Although this course is held in Italian, for Erasmus students, course material can also be available in English, and students can take the exam in English if they wish to do so.

Assessment methods

Practical test: the second part of the laboratory will be dedicated to the preparation of a proposal of a rehabilitation protocol to target a specific sensorimotor deficit.

Textbooks and Reading Materials

Articles and other learning supports will be provided during the course and uploaded to the e-learning page.

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING