



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Rehabilitation Program in The Neuromotor Field

2526-3-I0201D143-I0201D222M

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#### Aims

Acquire more tools to generate the necessary questions and identify the consequent objectives to plan a rehabilitation program, sensitive to complex needs in physiotherapy rehabilitation, of subjects with CNS lesions-dysfunctions

#### Contents

Presentation of syndromes and specific rehabilitation approaches that require in-depth analysis, with particular attention to the functional recovery of the upper limb. Guide to a critical examination of the presentation of some physiotherapy intervention protocols and approaches

#### Detailed program

- Recovery of motor skills of the upper limb in stroke outcomes: principles of sensorimotor guidance for the recovery of the reaching and grasping function compared to some conceptual models:

According to principles *Task Oriented Training* (Constraint Induced Movement Therapy).

Concepts of learned not use, TOT and Shaping.

Criteria for inclusion and administration in CIMT protocols, their variability and strengths,

Second *Bobath concept*

Planning to obtain posture and functional pre-patter necessary for programming the reaching gesture even with a non-functional hand.

- Controversive Pushing Syndrome  
Pathology of postural control in stroke outcomes: what priorities

## **Prerequisites**

Assimilation of knowledge that the CdL offers, including internship skills.

## **Teaching form**

Frontal teaching activity.

Interactive teaching moments with presentation of simple clinical questions and short group research reports.

## **Textbook and teaching resource**

Films and slides selected by the teacher, Selection of scientific articles presented to support the topics of the lessons

## **Semester**

First semester

## **Assessment method**

Test: multiple choice, open-ended questions. Weighted number of questions compared to those of the other integrated teaching modules

## **Office hours**

By appointment

## **Sustainable Development Goals**

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

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