UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

# COURSE SYLLABUS

## Neuropsychomotor Sciences 2

**2122-2-I0202D142-I0202D030M**

### Aims

After completing this course, the student will be able to assess the child with neuropsychomotor diseases, and to establish a profile of development and an evaluation test

### Contents

NEUROPSYCHOMOTOR SCIENCES 2: Diagnostic setting. Anamnesis. Psychomotor observation. Psychomotor development examination in different ages and areas. Development scales frequent forms

### Detailed program

NEUROPSYCHOMOTOR SCIENCES 2 Psychomotor examination, contribution to a multidisciplinary diagnosis Diagnostic setting Anamnestic interview Observing mother and child: use of Stern observational grids Neuropsychomotor assessment: psychomotor observation and neuropsychomotor examination Use and compilation of the observation schedule as a guide to the neuropsychomotor observation Observational Protocol Development scales (Utzgiris Hunt, Brunet Lezine, Griffiths, Leiter) The organization of space and time Psychomotor examination in perceptual-spatial and visualperceptual disturbances: The figure of Rey, Stamback rhythms, Bender, TPV Body scheme: evaluation of the development of body scheme Evaluation of non-verbal language: tone, facial expression, , posture gesture Evaluation of simple and complex practices/ dyspraxia Gestural direct and deferred imitation test The evaluation in mental retardation. The evaluation of regulation disorders Assessment of visual disorders in children The development areas in the psychomotor examination Psychomotor development according to different authors (Wallon, Piaget, Spitz / Mahler) Observation and Evaluation areas Motricity Global motricity, balance and general dynamic coordination Prehension, eye - manual coordination, cognitive development, perception, understanding, Space - Time, body image, laterality and dominance, graphics, language The observation of development and the evaluation of verbal language in children

0 / 3 years The assessment of language disorders in preschool and school age, relational development Psychomotor examination in lateralization disorders Laterality test Left / right orientation Test (Piaget- Head battery)

## Prerequisites

Objectives of the first year courses

## Teaching form

Lectures

In the Covid-19 emergency period, lessons will be held remotely asynchronously with synchronous videoconferencing events

## Textbook and teaching resource

1. R.Militerni, Neuropsichiatria Infantile, Idelson Gnocchi Ed., 2010 2. D.Valente (a cura di), Fondamenti della Riabilitazione Infantile, Carrocci Ed.,2009 3. C. Pisaturo, Appunti di psicomotricità, Piccin Ed., 1996 4. E. Berti,F. Comunello,G. Nicolodi,Il Contratto terapeutico in terapia psicomotoria,Edizioni Junior,2001 5. Gison G, Bonifacio A, Minghelli E. ,Autismo e psicomotricità. Strumenti e prove di efficacia nell'intervento neuro e psicomotorio precoce. 1st ed. Trento: Ed. Erickson; 2012 6. R. Militerni,S. De Vita, A. Fogli, La prima diagnosi di Autismo. Punti di riflessione per i pediatri e i componenti delle equpe specialistiche dedicate ai Disturbi dello Spettro Autistico. Edizioni Mathesis, 2015

## Semester

First 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

By appointment