UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

# COURSE SYLLABUS

# Assessment and Diagnosis in Developmental Neuropsychology

**2223-2-F5103P088**

## Learning area

ATYPICAL DEVELOPMENT

## Learning objectives

*Knowledge and understanding*

· Theoretical foundations in developmental neuropsychology

· Methodological approaches in the assessment of neurodevelopmental disorders

· Ethiopathogenesis and functional diagnosis of neurodevelopmental disorders

· Principles of diagnosis in developmental neuropsychology

*Applying knowledge and understanding*

· Diagnostic reasoning.

· Critical analysis of atypical developmental trajectories.

· Planning of support interventions and cognitive training.

## Contents

Methodological and theoretical approaches to some of the main developmental cognitive disorders, with particular attention to preschoolers and school-aged children will be presented.

## Detailed program

· Methods and approaches in developmental neuropsychology

· Diagnostic process of neurodevelopmental disorders

· Developmental Neuropsychological assessment

· Neuro-functional plasticity in developmental cognitive deficits

· Acquired deficits: early focal brain lesion and traumatic brain injury

· Developmental disorders: Specific Learning Disabilities (Dyslexia, Dysgraphia e Dysorthographia, Dyscalculia), Non verbal learning disability, Developmental coordination disorder;

Intervention strategies in the neurodevelopmental disorders

## Prerequisites

Knowledge of the neurofunctional bases of cognitive skills and developmental psychology. These requirements are acquired by taking the compulsory courses of the CdLM.

## Teaching methods

In addition to lectures, part of the teaching will take place through the guided discussion of scientific articles and exercises on the course topics.

The material (slides and scientific articles) is made available on the e-learning site of the course, so that attending and non-attending students can use it.

## Assessment methods

The exam is written and includes 4 open-ended questions. Questions are aimed to evaluate students' critical thinking and reasoning on acquired knowledge.

Students may ask to attend an oral interview on all topics included in the Syllabus. In special cases, the teacher may require an oral interview.

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.

Evaluation criteria are as follows: adequacy of contents, formal organization and terminology.

## Textbooks and Reading Materials

Detailed information about the teaching material will be published on the relevant page of the e-learning website.

## Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | REDUCED INEQUALITIES