



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Assessment and Diagnosis in Developmental Neuropsychology

2021-2-F5103P088

Learning area

ATYPICAL DEVELOPMENT

Learning objectives

Knowledge and understanding

- Theoretical foundations in developmental neuropsychology
- Methodological approaches in the assessment of neurodevelopmental disorders
- Etiopathogenesis 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.

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.

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

During the COVID-19 emergency, the examination methods will be defined and updated on the basis of the University rules.

Textbooks and Reading Materials

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