UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Developmental Neuropsychology

2122-2-F5104P026

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

Lessons will be held in presence, unless further COVID-19 related restrictions are imposed.

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 all 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.

During the Covid-19 emergency, exams will be conducted according to the University’s regulations regarding the COVID-19 emergency situation.

Textbooks and Reading Materials

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