UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Neuropsychomotor Sciences 1

2526-1-I0202D140-I0202D012M

Aims

At the end of the course the student will have to know the physiological neuropsychomotor, cognitive and behavioral evolution of the child in the first year of life paying attention to differences related to the culture of origin.

Contents

observation of the mother-child relationship
physiological neuropsychomotor, cognitive and behavioral evolution of the child in the first year of life
physiology of the full-term newborn and its neuropsychomotor characteristics
Physiological development of attention, memory, executive functions
The Psychological Birth of the Child: The Process of "Separation and Individuation" [Mahler]

Detailed program

Neuropsychomotor Sciences 1:

- Clinical observation as a scientific method of investigation
- The developmental process in the relationship with the adult: the mother-child dyad
- Observation of behavioral and motor development of the newborn at term. The Neonatal Behavior Assessment Scale of Brazelton
- The neuropsychomotor development of the child in the first year of life: 0-3, 3-6, 6-9, 9-12 months. Using the NVA tool
- MEMORY - theories, types of memory, development stages
- ATTENTION - theories, types of attention, development stages

- EXECUTIVE FUNCTIONS - core functions and FE complex, FE Hot & Cool, development stages
- The Process of "Separation and Individuation" [Mahler]

Prerequisites

Objectives of the courses: Basics of Movement, Kinesiology, Child Neuropsychiatric Sciences

Teaching form

The lessons take place both in delivery teaching mode (frontal lessons) and in interactive teaching mode through the viewing of video-recorded material, interactive group work, compilation of evaluation sheets based on the analysis of the videos presented.

Textbook and teaching resource

Semester

First year, second semester

Assessment method

The exam consists of a written test, to be carried out in the computer laboratory, consisting of closed-ended questions (True/False, Correspondences, Multiple Choice) to check preparation on the exam program. The exam contains as well some requests for a short essay to check communication skills in a disciplinary context. Upon request of the teacher, it will be possible to carry out an oral interview to integrate the written production.

Office hours

On appointment. The teachers can be contacted at the following email addresses:
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Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | GENDER EQUALITY