



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Neuropsychomotor Sciences 1

2526-1-I0202D140-I0202D012M

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#### 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:

Chiara Ricci, chiara.ricci@unimib.it

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## **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING | GENDER EQUALITY

