UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Technological Seminars

2526-2-I0202D015

Aims

The seminar aims to examine in depth the knowledge about the development of motor control, of body image, of dominance, laterality and lateralization. Moreover, the topic of graphomotricity will be studied in depth: from scribble to representation.

Contents

To analyze in depth neurobiological mechanisms and developmental course of motor control, dominance, lateralization and laterality. To study the development of body image. To highlight the development stages of graphism.

Detailed program

Origin of movement and neurobiology of motor control
Body schema and Body image
Perception-action-cognition cycle
The role of visual function in motor control
Dominance, lateralization and laterality
Evolution of grapghomotricity (scribbling, drawing, writing)
Meaning and symbolism in children's drawing

Prerequisites

The student must possess knowledge of the stages of typical development in developmental age with particular focus on the integration of the body schema

Teaching form

The lessons take place both in didactic mode (frontal lessons) and in interactive mode (viewing of video-recorded material, interactive group work, final group discussion).

Textbook and teaching resource

AJURIAGUERRA J., *Manuale di psichiatria del bambino*, Masson

COSTE J.C.., *La psicomotricità*, a cura di P. Baldi, La Nuova Italia

PISATURO C., *Appunti di psicomotricità; la pratica psicomotoria nella clinica neuropsichiatria nell'età evolutiva*, Piccin Ed

PISATURO C., *Appunti di psicomotricità Lo schema corporeo,* Piccin Ed

MILITERNI R., *Neuropsichiatria Infantile, Idelson*

LURIA A.R. et al, *Come lavora il cervello,* Il Mulino

Von Hofsten C. Action, the foundation for cognitive development. Scand J Psychol. 2009 Dec;50(6):617-23. doi: 10.1111/j.1467-9450.2009.00780.x. PMID: 19930261

Purpura G, Tinelli F. The development of vision between nature and nurture: clinical implications from visual neuroscience. Childs Nerv Syst. 2020 May;36(5):911-917. doi: 10.1007/s00381-020-04554-1. Epub 2020 Mar 5. PMID: 32140777

Amann-Gainotti M, Antenore C. Development of internal body image from childhood to early adolescence. Percept Mot Skills. 1990 Oct;71(2):387-93. doi: 10.2466/pms.1990.71.2.387. PMID: 2251074.

Semester

Second Semester

Assessment method

Attendance

Office hours

By appointment

luca.tagliabue@unimib.it

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | REDUCED INEQUALITIES