



Mercoledì 5 Febbraio 2014

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M-PSI/04, 1° anno, 6 crediti

Corsi di laurea / indirizzi:

> Lauree magistrali N.O. DM 17/2010 / [Cognitive neuroscience and clinical neuropsychology \(CN2\)](#)

Prof. Simion Francesca

[Sede e calendario lezioni](#)[Dati statistici votazioni esami](#)**Teaching language**

Inglese

Educational And Training Objectives

The course is aimed at presenting the relation between brain development and cognitive development and has the potentials to inform understanding of the mechanisms that subserve perception, attention, memory and other cognitive processes at different points in the life cycle and mechanisms subserving developmental changes in those processes.

Pre-requisites

The students are required to know Developmental and General Psychology as well as Cognitive Neuroscience.

Course content

How genetic and environmental factors interact during the course of development to shape the brain, mind and behaviour and the origin of brain specialization will be the main topic of the lessons. By investigating both typical and atypical development the course will review how developmental cognitive neuroscience research can inform a variety of practical applications such as earlier diagnosis and more effective treatment of developmental disorders.

21 hours will be devoted to a theoretical introduction to the main topics of developmental cognitive neuroscience and 21 hours will be devoted to Practical seminars and to practical labs. More specifically the students will have the opportunity to attend at the neonatal lab, to the Eye tracker Lab and to the Evoked Potential Lab.

Recommended reading

Jonhson, M.H & De Haan, M., Developmental Cognitive Neuroscience Wiley Backwell, 2011

Marshall, D., Johnson, M.H., Sirois, S.; Spratling, M.; Thomas, M.; Westermann, G. Neuroconstructivism: How the Brain constructs Cognition. Oxford University Press 2007

Teaching methods

Slides, videos will be presented and seminars on specific topics will be offered to the students. In addition practical labs will be offered where the students will be trained to empirical experimental procedures.

During the lessons further readings and recent papers will be offered to the students that will be required to present reports.

Assessment methods**Type of examination:** Written**Written examination:** Open questions**Teaching tools**

Slides, videos and video recorded tapes of empirical researches will be presented.

COMUNICAZIONI AGLI STUDENTI (a cura del docente)

Nessuna comunicazione disponibile.