



Università degli Studi di Padova

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Psicologia

Martedì 4 Febbraio 2014

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DEVELOPMENTAL COGNITIVE NEUROSCIENCE

M-PSI/04, 1° anno, 4 crediti, Curricula/Percorsi [A,B]

Corsi di laurea / indirizzi:

> [Lauree magistrali N.O DM 270/04 / Psicologia dello sviluppo e dell'educazione \(M-2\)](#)

Prof. Farroni Teresa

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Teaching language

Inglese

Educational And Training Objectives

This course offers an in-depth review of developmental cognitive neuro science: Neural development of cognitive functions and methods to study the neural mechanism of cognitive development.

Pre-requisites

Basic knowledge on general Cognitive functions like: perception, attention, language and memory.

Course content

We will consider questions such as: What is the nature of developmental change? What are the brain mechanisms underlying cognitive, perceptual, social, and emotional development during infancy and childhood? We will also evaluate implications of findings from developmental cognitive neuroscience for broader scientific issues including nature vs. nurture, critical periods in development, and the modularity of mental functions. An integral part of the course will be careful consideration of the major methods of developmental cognitive neuroscience including functional magnetic resonance imaging (fMRI), recordings of evoked response potentials (ERPs), and behavioral marker tasks.

Recommended reading

Mark Johnson (Birkbeck College, London): Developmental Cognitive Neuroscience, Blackwell Publishers (2005).

Teaching methods

Class sessions will usually consist of a short lecture period followed by a student led group presentation and discussion of the weeks readings. In addition, we will visit different labs on campus to learn more about the methods and issues of developmental cognitive neuroscience. The course will be entirely in English.

Assessment methods

Type of examination: Written**Written examination:** Open questions

Teaching tools

We will devote particular attention to the unique challenges of applying these methods to the study of infants and children.

Notes

Students need to book through "Gestione Esami", between 15 and 7

COMUNICAZIONI AGLI STUDENTI (a cura del docente)

Nessuna comunicazione disponibile.

