



Venerdì 31 Gennaio 2014

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Area riservata ai docenti

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COGNITIVE NEUROSCIENCE

M-PSI/02, 1° anno, 6 crediti

Corsi di laurea / indirizzi:

> Lauree magistrali N.O. DM 17/2010 / [Neuroscienze e riabilitazione neuropsicologica \(M-1C\)](#)

Prof. Sartori Giuseppe

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Inglese

Educational And Training Objectives

Neuroimaging techniques and their application in the cognitive field. Recent neuroscientific findings.

Pre-requisites

Brain anatomy, Cognitive Psychology. Basics of Neuropsychology and Clinical Neuropsychology.

Course content

Cognitive neuroscience: brief history – Cellular and molecular basis of cognition – Structural and functional anatomy of cognition – Methods in Cognitive neuroscience – Perception and encoding – Superior perceptual functions – Selection and spatial orientation of attention – Learning and Memory – Brain and language – Brain lateralization and specialization – The control of the action – Executive functions and frontal lobes – Emotions – Perspective of the evolutionary approach – Development and plasticity – The conscience issue.

Recommended reading

- 1) Ward, J. (2010) The Student's Guide to Cognitive Neuroscience. Psychology Press.
- 2) Recent scientific publications will be made available during classes.
- 3) Course material available on digital support (more information will be provided during the course).

Teaching methods

ATTENDANCE TO LECTURES IS RECOMMENDED. Debates and an active involvement are promoted. During the course the students are required to study an article in English and to illustrate it during classes.

Assessment methods**Type of examination:** Written and oral**Written examination:** Multiple choice questions**Teaching tools**

Neurofeedback, EEG and ERPs registration and analysis are scheduled as laboratory activities.

NotesGo to <http://uniweb.unipd.it> to register for the written and the oral examination.

Non registered students WILL NOT BE ACCEPTED.

COMUNICAZIONI AGLI STUDENTI (a cura del docente)

Nessuna comunicazione disponibile.