

Title of subject: Cognitive Neuroscience

Credits: 2	Semester: 2	Number of lessons per week: 2	Type: <u>Lecture</u> Seminar Practical	Appraisal: <u>Examination</u> Practical mark
----------------------	-----------------------	---	--	---

Description of the subject:

The two main goals of the course are the demonstration of the methods of cognitive neuroscience, and the presentation of classical and current findings of cognitive and developmental neuroscience. The presentation of physical, biochemical and morphological bases, and historical accounts has the aim that students understand the choice of particular methods, and be able to assess the advantages and disadvantages of them. The presentation of methods is followed by an intensive review of the main findings of cognitive neuroscience both in the fields of cognition (perception, memory, consciousness, language, etc.) and emotion (face perception, prosody, etc.). The unfolding of the interrelations of brain-cognition-behavior triad is completed by the review of the findings of developmental cognitive neuroscience. During the course, students are presented with new experimental paradigms coming from the interdisciplinary field of cognitive neuroscience, which may be useful both for theoretical work and clinical practice.

Required readings:

Gazzaniga, M. S. (Ed.). (2000). *The new cognitive neurosciences* (2nd ed.). Cambridge, MA: MIT Press.
Gazzaniga, M. S., Ivry, R. B., & Mangun, G. R. (2008). *Cognitive neuroscience* (3rd ed.). New York: W. W. Norton.
Nelson, C. A., & Luciana, M. (2001). *Developmental cognitive neuroscience*. Cambridge, MA: MIT Press.
Baars, B. J., & Gage, N. M. (Eds.). (2010). *Cognition, brain, and consciousness: Introduction to cognitive neuroscience*. Burlington, MA: Academic Press/Elsevier.