

CCNM17-CN-107:4: Psychophysiology of cognitive processes Course Description

Aim of the course

Aim of the course: The goal of the course is to provide basic knowledge on the (primarily physiological) mechanisms underlying cognitive psychological processes such as learning, memory, attention, sleep, motivation and psychopharmacology. Both elementary aspects and integrative views are covered including the most important methodological (electrophysiology, biochemistry, neuroimaging, etc.) issues. The rationale behind this approach is that the horizon of the interpretation of the findings of basic and applied psychology becomes much wider and their link to principles of natural sciences easier to understand.

Learning outcome, competences

knowledge:

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attitude:

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skills:

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Content of the course

Topics of the course

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Learning activities, learning methods

Lectures and interactive discussions

Evaluation of outcomes

Learning requirements, mode of evaluation, criteria of evaluation:

requirements

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mode of evaluation: examination

criteria of evaluation:

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Reading list

Compulsory reading list

- Carson, N. R. (1999). Foundations of Physiological Psychology. Needham Heights, MA: Allyn and Bacon.

- Cacioppo, J. T. (2007). Handbook of Psychophysiology. New York: Cambridge Univ Press.
- Baars, B. J., & Gage, N. M. (2010). Cognition, Brain, and Consciousness: Introduction to Cognitive Neuroscience. London: Academic Press.

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Recommended reading list

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