

**Course Description**  
**Title of the Course: Cognitive Psychology**

**Aim of the course**

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This course provides an overview of the field of cognitive psychology, including its research methods, theoretical questions, and fields of application. A major goal of the course is to show how the major questions in cognition are addressed through empirical research. Established research experts are invited to provide introduction and overview of the state of the art consensus and also hot topics in the subfields of higher order cognitive capacities.

**Learning outcome, competences**

knowledge:

- Basic concepts of cognitive psychology
- Theories of perception, memory and thinking, including current research trends and their outputs
- Main developments in research methods
- Relations of cognitive mechanisms and their malfunctioning
- Highlights on potential applications of research outcomes

attitude:

- Ability to understand and ask questions in relation to the functioning of mind,
- Learn and work in frame of general cognitive psychology framework and model
- Utilisation of knowledge in scientific communication, presentation
- Open-minded attitude toward different disciplinary and interdisciplinary approaches
- Showing openness towards understanding malfunctioning

skills:

- Ability to understand and use scientific literature of cognitive psychology and related fields
- Ability to expertly use the terminology of general psychology, cognitive psychology and neuroscience as well
- Skills of applying main experimental research methods,
- Skills of identifying and segmenting basic general psychological mechanisms
- Critical thinking in relation to implementing different experimental methods

**Content of the course**

**Topics of the course**

**13-14 weeks, 2x2 hours weekly for each following topic set:**

1. Visual perception
2. Spatial cognition
3. Consciousness
4. Social cognition
5. Semantic memory and categorization
6. Memory and memory development
7. Numerical cognition
8. Speech perception

9. Music and cognition
10. Attention and detection of environmental changes
11. Cognitive control
12. Risk-taking

### **Learning activities, learning methods**

Lectures and interactive discussions

### **Evaluation of outcomes**

**Learning requirements, mode of evaluation, criteria of evaluation:**  
requirements

- Reliable basic knowledge in the domain of cognitive psychology

mode of evaluation: written exam

criteria of evaluation:

- Knowledge on basic concepts and the skill of utilizing the theoretical models and basic methods of cognitive psychology adequately

### **Reading list**

#### **Compulsory reading list**

Sekuler, R., & Blake, R. (2006). Perception. New York, NY: McGraw-Hill.

Baddeley, A., Eysenck, M. W., & Anderson, M. C. (2009). Memory. Hove, UK: Psychology Press.

Eysenck, M. W., & Keane, M. T. (2005). Cognitive Psychology. A Student's Handbook. 4th Edition. Hove; New York: Psychology Press.

#### **Recommended reading list:**

Included in the slides of specific topics, visit Neptun Meet Street