Faculties of Humanities and Theology

KOGP02, Cognitive Science: Cognitive Neuroscience, 7.5 credits

Kognitionsvetenskap: Kognitiv neurovetenskap, 7,5 högskolepoäng

Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by The pro-dean for First-Cycle Studies at the Faculties of Humanities and Theology on 2010-01-22 to be valid from 2010-01-22, autumn semester 2010.

General Information

The course is offered as a freestanding course. It can normally be included in a first or second cycle degree. With the approval of the relevant authenticating body, it can also be included in certain professional degrees.

Language of instruction: Swedish
Teaching in English may occur.

Main field of studies	*Depth of study relative to the degree requirements*
Cognitive Science	A1N, Second cycle, has only first-cycle course/s as entry requirements

Learning outcomes

On completion of the course, the students shall be able to:

Knowledge and understanding

- account for the anatomy and function of the brain and its role in different cognitive processes
- at a general level, describe the methods used in cognitive neuroscience

Competence and skills

- independently familiarise themselves with research in cognitive neuroscience
- analyse the deficiencies in neurocognitive results, descriptions and theories
- account for the complexities in neurocognitive descriptions and apply neurocognitive theories

Judgement and approach

- criticise and question neuroscientific results and theories
- assess their needs for additional knowledge.

Course content

The course provides students with a basic understanding of the anatomy and functions of the brain from a cognitive perspective and of the biological basis for different cognitive abilities. For example, the course covers the links between learning, motivation, attention and memory in neurocognitive terms. The course addresses questions such as: How can we recognise an object and understand a visual scene? What are emotions? How do unconscious and conscious cognitive processes relate to each another? How can people think about the future, make decisions and plan? How do we control our actions?

Course design

The teaching consists of lectures.

Assessment

The assessment of the course is based on a written examination.

Subcourses that are part of this course can be found in an appendix at the end of this document.

Grades

Marking scale: Fail, Pass, Pass with distinction.

Entry requirements

To be admitted to the course, students must have successfully completed 90 credits in any of the following subjects: anthropology, general linguistics, computer science, informatics, engineering mathematics, neuroscience, biology, psychology, education or theoretical philosophy. Students with qualifications equivalent to 90 credits in cognition research or cognitive science from another higher education institution may also be admitted to the course.

Further information

1. This course is also included in the Master's programme in Cognitive Science, HAKOG. The credits can only be credited once for a degree.

Subcourses in KOGP02, Cognitive Science: Cognitive Neuroscience

Applies from H09

1001 Cogitive Neuroscience, 7,5 hp
Grading scale: Fail, Pass, Pass with distinction