



LUND
UNIVERSITY

Faculties of Humanities and Theology

KOGP09, Cognitive Science: Theories and Models in Cognitive science, 7.5 credits

*Kognitionsvetenskap: Teorier och modeller i kognitionsvetenskap,
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 2010-09-22 to be valid from 2010-09-22, spring semester 2011.

General Information

The course is a compulsory component of the Master of Arts programme in Cognitive Science.

Language of instruction: Swedish

Main field of studies

Cognitive Science

Depth of study relative to the degree requirements

A1F, Second cycle, has second-cycle course/s as entry requirements

Learning outcomes

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

Knowledge and understanding

- provide a detailed account of different theories in cognitive science such as functionalism, connectionism and physical symbol systems
- provide a detailed description of models used in cognitive science such as models in neuroscience and cognitive robotics
- describe how different theories and models used in cognitive science are related to each other

Competence and skills

- critically review, comment and analyse classic cognitive science texts
- provide arguments for and against the models used in cognitive science such as models in neuroscience and cognitive robotics

Judgement and approach

- take a position on the relevance of applying different models and theories in cognitive science
- evaluate the advantages and limitations of theories and models in cognitive science.

Course content

The course consists of seminars at which the students review different theories in cognitive science and discuss classic articles in the subject. The course refers back to the historical overview provided in the introductory course, and provides an in-depth theoretical development of the subject. Previous specialisations such as behaviourism, functionalism and physical symbol systems are related to each other and to the formation of more recent theories in connectionism, dynamic systems, neuroscience and cognitive robotics.

Course design

The course consists of seminars at which the students are able to plan and lead own seminars. The seminars are compulsory.

Assessment

The assessment of the course is based on oral presentations, participation at the seminars and two individual papers.

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 KOGM01 or the equivalent.

Subcourses in KOGP09, Cognitive Science: Theories and Models in
Cognitive science

Applies from H10

1001 Theories and Models in Cognitive Science, 7,5 hp
Grading scale: Fail, Pass, Pass with distinction