

# Cognitive Science - Methods

Single subject and programme course

6 credits

Kognitionsvetenskaplig metod

729A94

Valid from:

**Determined by**

The Quality Board at the Faculty of Arts  
and Sciences

**Date determined**

2010-09-24

## Main field of study

Cognitive Science

## Course level

Second cycle

## Advancement level

A1X

## Course offered for

- Master Programme in Cognitive Science

## Entry requirements

For admission to the course, the specific entry regulations that apply for admission to the master's education in Cognitive Science must be satisfied.

## Intended learning outcomes

On completion of the course, the student should be able to - account for central methods that are used in the cognitive science field - account for the strengths and weaknesses of these methods

- account for the relevance that choice of method can have on carrying out a study in cognitive science - account for how results from different studies where different methods have been used can be integrated
- discuss the problems that may be related to such integration - argue for the choice of appropriate method when a cognitive science issue should be studied.

## Course content

The contents of the course address the basic question what is a method within a scientific discipline? Some of the central methods that will be used are, for example, computer modelling, questionnaires, interviews, simulations, formal proofs of mathematical or logical character, studies through observation and "grounded theory", but also other methods, such as eye-movement cameras and different neurological study techniques

- The differences between different methods, for example qualitative and quantitative methods

## Teaching and working methods

The teaching takes the form of seminars in small groups. Different methods are used in a smaller format in these seminars. The student should write an essay and is expected to work with self-study, independently or in groups. The student is expected to work actively by independently searching literature, to in an appropriate way supplement the compulsory reading list.

## Examination

The course is examined through compulsory attendance in seminars and an essay, where one of the methods covered in the course is applied and discussed. Detailed information can be found in the study guide.

## Grades

Three-grade scale, U, G, VG

## Other information

Planning and implementation of a course must take its starting point in the wording of the syllabus. The course evaluation included in each course must therefore take up the question how well the course agrees with the syllabus. The course is carried out in such a way that both men's and women's experience and knowledge is made visible and developed.

## Department

Institutionen för datavetenskap