Joint Faculties of Humanities and Theology

KOGP16, Research Methods and Project, 15 credits

Metod- och projektkurs, 15 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 2023-06-12 (U 2023/467) and was last revised on 2025-09-08 by The Pro Dean of First and Second Cycle Studies at The Joint Faculties of Humanities and Theology (U 2025/629). The revised syllabus comes into effect 2025-09-09 and is valid from the spring semester 2026.

General information

The course is a compulsory course in the Master's Programme in Cognitive Science.

Language of instruction: Swedish
Some teaching and supervision may be in English.

Main field of study	*Specialisation*
Cognitive Science	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

- describe most of the quantitative and qualitative methods used in cognitive science
- describe examples of current research and development work in cognitive science

Competence and skills

- generate appropriate and feasible evaluations, investigations and studies in the field of cognitive science
- apply statistical methods to cognitive science data
- work independently in and contribute to a cognitive science research project or other relevant advanced activities
- apply one of the quantitative and qualitative methods found in the field of cognitive science

Judgement and approach

- make assessments informed by relevant disciplinary, social and ethical aspects and demonstrate awareness of ethical aspects of research and development work in the field of cognitive science
- assess the possibilities and limitations of research, its role in society and the responsibility of the individual for how it is used
- assess the potential and limitations of different research methods
- assess cognitive science works with regard to methodological quality and relevance
- perceive and assess the value of acquiring more knowledge in the research field.

Course content

The course provides students with insight into the different quantitative and qualitative methods used in cognitive science and with practical experience of using statistical tools for data analysis. It also provides students with practical experience of participating in a research or development project and applying different methods in cognitive science. The projects are selected among the ongoing research and development projects at the department or external activities of relevance to cognitive science.

The course consists of the following three modules:

1. Experimental Design, 2.5 credits

2. Statistics, 7.5 credits

3. Project, 5 credits

Course design

Teaching consists of lectures and exercises. Module 1 includes three compulsory seminars. Module 3 includes three compulsory seminars, one of which includes peer review of the project report, and at least 80 hours of project work.

The following applies to the course's compulsory components: if, due to circumstances beyond their control, such as accidents, sudden illness or similar, students are unable to carry out a compulsory component, the University is responsible for ensuring that an equivalent alternative or another time for the component is offered. This also applies to students participating in activities in an elected position as a student representative. The 80 hours of project work, however, cannot be compensated for in any other way and must, if necessary, be carried out

during a subsequent semester.

Assessment

Module 1 is assessed based on a written assignment

Module 2 is assessed based on five lab reports and a take-home exam

Module 3 is assessed based on the project report

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

Grades

Grading scale includes the grades: Fail, Pass, Pass with distinction
For the grade of Pass on the course, the student must have been awarded this grade on all modules.

For the grade of Pass with Distinction on the course, the student must have been awarded this grade for Module 2 and at least one more module.

Module 2: the grade is determined by the take-home exam, but a passing grade is required on each lab report to earn a passing grade in the module.

Entry requirements

To be admitted to the course, students must have completed KOGM01 or the equivalent.

Further information

- The course is offered at the Department of Philosophy, Lund University.
- The course replaces KOGP07 and KOGP08.
- The credits allocated for course content that is shared in whole or in part with another course can only be credited once for a degree.
- For further details, see current registration and information materials.