Cognitive Science Project I

Kognitionsvetenskapligt projektarbete I
12 credits

Single subject and programme course

769A28

Valid from: 2025 Spring semester

Determined by	**Main field of study**	
Course and Programme Syllabus Board at the Faculty of Arts and Sciences	Cognitive Science	
Date determined	**Course level**	**Progressive specialisation**
2022-03-07	Second cycle	A1N
Revised by	**Disciplinary domain**	
Chairman of the Course and Programme Syllabus Board at the Faculty of Arts and Sciences	Technology	
Revision date	**Subject group**	
2024-05-23	Technology from a Social Perspective	
Offered first time	**Offered for the last time**	
Spring semester 2023		
Department	**Replaced by**	
Institutionen för beteendevetenskap och lärande		

Entry requirements

- Bachelor's Degree in Cognitive Science, Computer Science, Information Systems, Informatics, Information Technology, Programming, Psychology, Cognitive Neuroscience, or corresponding, equivalent to a Swedish Kandidatexamen
- English and Swedish corresponding to the level of English and Swedish in Swedish upper secondary education (Engelska 6 and Svenska 3)

Intended learning outcomes

On completion of the course, the student should be able to:

- independently conduct a cognitive science research assignment
- identify and define a research assignment
- analyse and report a research question within one or more of cognitive science's component research disciplines or applied fields
- discuss the possibilities and limits of projects in cognitive science, their role in society, and people's responsibilities regarding how they are used.
- assess the scientific, ethical, and societal merits, including sustainable development, of a research and development project in cognitive science
- identify needs for further knowledge and take responsibility for the development of that knowledge to achieve a deeper understanding of a part of cognitive science
- organise and write correct scientific report in accordance with praxis in one of the sub-disciplines of cognitive science or one of it's application areas
- use relevant tools and methods for project management of one's own work

Course content

The course covers current research in a cognitive science profile area, for example disability research, design, development and/or the evaluation of technical artefacts or study of complex systems. The course should preferably take place in close connection to an ongoing cognitive science research project or in collaboration with an external partner. In addition, the course covers sustainable development in relation to cognitive science research and development projects. The course also includes scientific writing at an advanced level as well as tools and methods for project management, such as goal specification, Gantt charts, and risk analysis.

Teaching and working methods

Teaching consists of seminars, project work and supervision. In addition to this, students are expected to work independently.

Examination

The course is examined through:

- active participation in seminars, grading scale: UG
- individual written research report, grading scale: EC

To pass the course (grade E), requires that the active participation in seminars requirement is passed and that a grade E on the individual written assignment is achieved. Higher grades will be based on the individual written assignment.

Detailed information will be available in the course guide.

If special circumstances prevail, and if it is possible with consideration of the nature of the compulsory component, the examiner may decide to replace the compulsory component with another equivalent component.

If the LiU coordinator for students with disabilities has granted a student the right to an adapted examination for a written examination in an examination hall, the student has the right to it.

If the coordinator has recommended for the student an adapted examination or alternative form of examination, the examiner may grant this if the examiner assesses that it is possible, based on consideration of the course objectives.

An examiner may also decide that an adapted examination or alternative form of examination if the examiner assessed that special circumstances prevail, and the examiner assesses that it is possible while maintaining the objectives of the course.

Students failing an exam covering either the entire course or part of the course twice are entitled to have a new examiner appointed for the reexamination.

Students who have passed an examination may not retake it in order to improve their grades.

Grades

ECTS, EC

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 conducted in such a way that there are equal opportunities with regard to sex, transgender identity or expression, ethnicity, religion or other belief, disability, sexual orientation and age.

If special circumstances prevail, the vice-chancellor may in a special decision specify the preconditions for temporary deviations from this course syllabus, and delegate the right to take such decisions.