

Master's Thesis in Computational Social Science

Masteruppsats i Computational Social Science

30 credits

Single subject and programme course

771A35

Valid from: 2026 Spring semester

Determined by	Main field of study	
Course and Programme Syllabus Board at the Faculty of Arts and Sciences	Computational Social Science	
Date determined	Course level	Progressive specialisation
2019-10-10	Second cycle	A2E
Revised by	Disciplinary domain	
Chairman of the Course and Programme Syllabus Board at the Faculty of Arts and Sciences	Social sciences	
Revision date	Subject group	
2025-10-30	Sociology	
Offered first time	Offered for the last time	
Spring semester 2020		
Department	Replaced by	
Institutionen för ekonomisk och industriell utveckling		

Course offered for

- Master's Programme in Computational Social Science

Entry requirements

- A bachelor's degree or equivalent in the humanities, social-, cultural-, behavioural-, natural-, computer-, or engineering-sciences
- English corresponding to the level of English in Swedish upper secondary education (English 6/B)
- 45 ECTS credits completed from the Master's Programme in Computational Social Science, or equivalent

Intended learning outcomes

After completion of the course, the student should at an advanced level be able to:

- independently formulate a relevant research task in computational social science
- plan, implement and report in writing an in-depth and qualified independent work in computational social science
- demonstrate and apply in-depth subject and method knowledge in computational social science
- defend a scientific project with a scientific approach
- critically review, evaluate and discuss other scientific work

Course content

The course involves an independent project in which students design and implement a scientific study. The student will formulate a computational social science research relevant task, select a suitable method, and report the results in a written essay.

Teaching and working methods

The teaching consists of supervision and seminars. In addition, students should exercise self-study.

Language of instruction: English

Examination

The course is examined by:

- Active participation in seminars, grading scale: EC (Pass/Fail)
- Individual oral defence, grading scale: EC
- Individual research proposal, grading scale: EC (Pass/Fail)
- Individually written essay, grading scale: EC

To earn grade E as the final course grade, at least E is required for all examination parts, and Pass for research proposal and active seminar participation.

For grade D, the student must have obtained at least D on the individually written essay, and at least Pass / E for the other examinations.

For grade C, the student must have obtained at least C on the individually written essay, and at least Pass / D for the other examinations.

For the grade B, the student must have obtained at least B on the individually written essay, and at least Pass / C for the other examinations.

For grade A, the student must have received A on the individually written essay, and at least Pass / B for other examination parts.

Detailed information on the examination can be found in the study 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.

About teaching and examination language

The teaching language is presented in the Overview tab for each course. The examination language relates to the teaching language as follows:

- If teaching language is “Swedish”, the course as a whole could be given in Swedish, or partly, or as a whole, in English. Examination language is Swedish, but parts of the examination can be in English.
- If teaching language is “English”, the course as a whole is taught in English. Examination language is English.
- If teaching language is “Swedish/English”, the course as a whole will be taught in English if students without prior knowledge of the Swedish language participate. Examination language is Swedish or English depending on teaching language.