



LT201X Degree Project in Subject-Based Teaching and Learning, Second Cycle 15.0 credits

Examensarbete i ämnesdidaktik, avancerad nivå

This is a translation of the Swedish, legally binding, course syllabus.

If the course is discontinued, students may request to be examined during the following two academic years

Establishment

The official course syllabus is valid from the spring semester 2024 in accordance with the decision by Head of School : M-2023-1894. Date of decision: 2023-10-12

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Technology and Learning

Specific prerequisites

At least 50 ECTS credits in the field of educational science, including at least 10 ECTS in subject-specific didactics and 10 ECTS school placement (VFU).

At least 90 ECTS credits (in total) in the student's teaching subject(s) of the teacher training programme.

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

On completion of the course, the student is expected to be able to independently

- formulate a research idea in educational sciences related to teaching of physics, chemistry, technology or mathematics
- use relevant knowledge and skills acquired in the study programme, choose suitable scientific methods, and justify these choices
- within given frameworks, even with limited information, examine, analyse and discuss complex issues, as well as deal with more advanced problems within their area of teaching
- reflect on, evaluate and critically review the scientific results of their own work and that of others
- formulate relevant and well grounded conclusions with reference to previous research
- reflect on their acquired knowledge in relation to the teaching mission, as well as to previous education and vocational experience
- document and present their work to a given audience, with high expectations on structure, formatting and language
- identify their need for additional knowledge and continuously develop their competence

Course contents

Independent project in subject-specific didactics.

Examination

- XUPP - Degree project, 15.0 credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

Assessment takes place by means of a written report, an oral presentation, and critical examination of another student's degree project. In the assessment of the degree project, the following points are specifically considered:

1. The work process of the project, including understanding of the assignment and its relevance for the future profession, and the student's ability to work independently and follow the time plan for the work.
2. Scientific contents, including understanding of the theoretical background
3. Presentation, i.e. written and oral presentation, including interpretation and analysis of results and a critical examination of a peer's degree project

The grading criteria of the course are distributed at the beginning of the course.

A student who has not completed their degree project within eight months risks failing the course, subject to the examiner's assessment

Other requirements for final grade

All compulsory components passed

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.