



LT202X 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

Course syllabus for LT202X valid from Spring 2019

Grading scale

A, B, C, D, E, FX, F

Education cycle

Second cycle

Main field of study

Technology and Learning

Specific prerequisites

To be admitted to the course, the student must be a student on a degree programme for supplementary teacher training and have taken at least 50 of the programme's in total 90 credits. Out of these, at least 10 credits must come from school placement.

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 have the ability to independently

- formulate a scientific research question within the education sciences, related to the teaching of technology, mathematics or natural sciences
- 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 his/her area of teaching
- reflect on, evaluate and critically review the scientific results of his/her own work and that of others
- formulate relevant and justified conclusions with reference to earlier research
- reflect on his/her newly acquired knowledge in relation to the teaching mission, as well as to previous courses and professional or vocational experience
- document and present his/her work to a given target group, with high expectations on structure, formatting and language
- identify his/her need for additional knowledge and continuously develop his/her competence

Course contents

The course consists of independently designing, documenting, and completing a project. This implies deciding on a research question, systematically collecting data, analysing and processing the question using scientific methodology, and presenting this piece of work. The work should display the ability to systematically reflect on knowledge that is related to the future profession.

Disposition

Assessment takes place through a written report, an oral presentation, and critical examination of another student's degree project. Assessment of the degree project will be made with particular regard to the following points:

1. The process behind the project, including understanding of the assignment and its relevance for the future profession; the student's ability to work independently and follow the set 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 his/her degree project within eight months risks failing the course, after the examiner's assessment.

Course literature

Announced at least three weeks before the course starts

Examination

- XUPP - Degree project, 15.0 credits, grading scale: A, B, C, D, E, FX, 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.

Supervisors are appointed by KTH.

The course is included in the degree programme 'Bridging Teacher Education Programme in Mathematics, Science and Technology for Graduates with a Third Cycle Degree' that is given by KTH and Stockholm University in collaboration. Therefore, the grading scale Aâ€“F is used and not P/F that is customary in degree project courses at KTH.

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.