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

Course syllabus for LT201X valid from Spring 2017

Grading scale

P, 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 in the programme for supplementary educational education and have completed at least 50 of the total 90 credits in the programme. Among these must be included at least 10 credits 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 idea for an investigation linked to educational sciences related to teaching of physics, chemistry, technology or mathematics

- use relevant knowledge and skills that have been acquired during the education and make suitable choices of scientific methods and justify these

- within given frames, also with limited information, be able to analyse and discuss complex issues and handle larger problems at second cycle level within the teaching area

- reflect on, evaluate and critically review the scientific results one's work and that of others

- formulate relevant and justified conclusions with reference to earlier research

- reflect on recently acquired knowledge in relation to both the task as teacher and earlier education and professional or vocational experiences

- document and present work for given target group with high set requirements of structure formalities and language

- identify the need for additional knowledge and continuously develop skills

Course contents

Independent project in subject didactics.

Disposition

The course includes an independent formulation and completion of a project and its documentation. This implies choosing, collecting materials in a systematic way, analysing and processing an issue with scientific methodology, and presenting the work. The work should display the ability to methodologically reflect on knowledge that is related to the future work.

Supervisor is appointed by KTH.

Course literature

Anges senast tre veckor före kursstart.

Equipment

Computer with Internet connection.

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.

Examination takes place through written report, oral presentation and critical review on another student's degree project. When assessing a degree project, considerations will be given to the points below:

1. The process behind the project, including understanding of the prescribed the assignment and its relevance for future work and independence and ability to hold the established time plan for the work

2. Scientific contents including knowledge of the theoretical background

3. Presentation, i.e. written and oral presentation including interpretation and analysis of results and critical review of another degree project

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

A student who has not completed his or her degree project within eight months risks, after an examiner's assessment, failing the course.

Other requirements for final grade

Passed on all compulsory components included in the course

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.