FLF3012 Theory of Science Perspectives on Technology and Learning 7.5 credits

Vetenskapsteoretiska perspektiv på teknik och lärande

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

Establishment

On 02/12/2019, the Dean of School of ITM has decided to establish this official course syllabus to apply from spring term 2020 (registration number M-2019-2647).

Grading scale

P, F

Education cycle

Third cycle

Specific prerequisites

Admitted to doctoral education, primarily in **Technology and Learning** and adjacent subject areas.

Language of instruction

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

Intended learning outcomes

On passing the course, the student should be able to;

- discuss and compare natural science, engineering science, and the educational science within these domains, drawing on knowledge theory and sociology of science perspectives
- critically discuss research within technology and learning in the light of knowledge theory, sociology of science, and history of ideas perspectives
- formulate a chosen research approach by relating to perspectives and approaches discussed in the course, and formulate constructive critique/feedback on the work of other doctoral candidates

Course contents

The emergence of the global science community – how it works, disciplines and interdisciplinarity. Classical ideas in the theory of science. The history of ideas within technological sciences. Studies of the relationship between technology and learning.

Examination

- LEXA - Continuous assessment, 7.5 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.

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

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.