

Philosophy of Technology and Technology Education, 6.0 credits

Teknikfilosofi och teknikdidaktik, 6.0 hp

Third-cycle education course

9FIBL21

Department of Behavioural Sciences and Learning

Valid from: First half-year 2026

Approved by
The Board of PhD Studies

Approved
2024-12-12

Revised by
The Board of PhD Studies

Revised
2024-11-25

Registration number
IBL-2024-00278

Entry requirements

Entry requirement for studies on third-cycle education courses

- second-cycle degree,
- 240 credits in required courses, including at least 60 second-cycle credits,
or
- acquisition of equivalent knowledge in some other manner

Specific entry requirements for this course are to have been admitted to a Master Program or a Postgraduate Program.

Learning outcomes

By the end of the course the students will be able to:

Knowledge and understanding

Describe and critically analyse dominant research traditions and concepts in the philosophy of technology,

Competence and skills

Carry out a techno-philosophical analysis with application to technology education,

Judgement and approach

Discuss and evaluate how philosophy of technology problems, concepts and arguments can be used in technology education.

Contents

The course includes the following:

- Analytical and critical philosophy of technology,
- Central philosophies and philosophers of technology,
- Philosophy of technology problems and concepts with significance for technology education and technology teaching,
- Philosophical perspectives on technological knowledge and technological concepts,
- Critical and ethical perspectives on technology and technology teaching.

Educational methods

Educational methods applied in this course are seminars, course assignments, and self-study.

Examination

The course is examined orally in common seminars, and in writing through an individual course assignment with presentation of the student's own philosophy of technology analysis.

All course sessions are compulsory.

Students who fail are offered one re-examination occasion in close connection to the course. After that participation in a coming course examination is offered. The re-examination should be equally comprehensive as the ordinary examination.

Change of examiner

Students who have failed the course or part of the course twice are entitled to request another examiner for the following examination occasion.

Grading

Two-grade scale

Course literature

A list of course literature will be provided by the course coordinator before the start of the course.

General information

Course evaluation, analysis and suggestions for improvement should be fed back to the Research and PhD studies Committee (FUN) by the course coordinator.

If the course is withdrawn or is subject to major changes, examination according to this syllabus is normally offered at three occasions within/in close connection to the two following semesters.

Course certificate

On the student's request, course certificate is issued by the course examiner.