



AK204V Ethics and Sustainability 2.5 credits

Etik och hållbarhet

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

Establishment

On 09/07/2020, the Dean of the ABE School has decided to establish this official course syllabus to apply from autumn term 2020 (registration number A-2020-1538). A-2020-1538.

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Specific prerequisites

120 credits higher education

Language of instruction

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

Intended learning outcomes

completed course is expected the student

- be able to discuss and analyse, in writing and orally, ethical problems that may arise in engineering work,
- within some engineering or technological field, in a more advanced way be able to analyse ethical problems,
- be able to reflect on the engineer position and on the role of the engineer as a contributor to a sustainable development.

Course contents

- Introduction to value sensitive design (VSD) followed by a workshop where the students complete group assignments on 1-2 different cases based on so called envisioning cards.
- Lecture 1: AI and ethics or gene editing technology and ethics.
- Lecture 2: Integrity & privacy
- Lecture 3: Environmental ethics
- Seminar 1: Moraloffsetting
- Seminar 2: Engineering role: responsibility and professional ethics

Examination

- INL1 - Written report, 2.5 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.

The examination consists in an academic paper, where the student applies VSD on a technology that they work already with or on a technology that is during development.

Other requirements for final grade

Active seminar participation.

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.