CM2029 Healthcare Ethics, Legal and Social Impact 4.0 credits

Vårdens etik, juridisk och social påverkan

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

Establishment

The course plan with diary no. C-2024-1628 applies from HT 2025 according to faculty board decision: C-2024-0635. Decision date: 2024-10-02

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Technology and Health

Specific prerequisites

English 6

Language of instruction

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

Intended learning outcomes

After passing the course, the student must be able to:

- explain how health data and models can be used ethically in society
- discuss and report on critical perspectives on artificial intelligence in health
- describe potential biases and risks with data and models in health
- discuss legal frameworks and values about justice equity and fairness in health data and models

Course contents

- Applications of AI for health

Drivers for AI integration in health

How AI supports the delivery of health

What is precision medicine and precision public health

- Laws, policies and liability rules for AI
- Surveillance capitalism and ubiquitous surveillance
- Facial recognition, privacy and police agencies
- The moral responsibility of researchers
- Diversity and cultural change

Examination

- LIT1 - Literature Study, 2.0 credits, grading scale: P, F
- RAP1 - Written Report, 2.0 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.

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.