FCH3101 Technology and Health 7.5 credits

Teknik och hälsa

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

Establishment

Course syllabus for FCH3101 valid from Autumn 2021

Grading scale

P, F

Education cycle

Third cycle

Specific prerequisites

Eligible for studies at the third-cycle level.

Language of instruction

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

Intended learning outcomes

After completion of the course the doctoral student should have the knowledge and ability to:

- describe the different relationships between technology and health
- critically analyze the strengths and weaknesses of theories and methodologies presently applied to the field of technology and health
- compare methodological approaches in the field of technology and health and draw conclusions about their relevance and applicability to his/her own doctoral studies
- reflect on what the concepts of sustainable development, gender equality, diversity and equal opportunities can mean in their own PhD project, as well as in the field of technology and health based on social, economic and ecological aspects

Course contents

- Humans and technology in interaction
- Images in medicine
- Human tolerance, physiology in extreme environments
- Delivery of care and safety in systems
- Data-driven life science
- Sustainability in technology and health
- Gender and diversity – perspectives on work, technology and health

Examination

- INL1 - Hand-in exercises, 6.0 credits, grading scale: P, F
- TEN1 - Written exam, 1.5 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.

Other requirements for final grade

Preparatory reading must have been undertaken to a satisfactory standard (which may be tested in the form of a brief online activity).

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.