



DM2713 Research Methods in Interactive Media Technology

7.5 credits

Forskningsmetodik för interaktiv medieteknik

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

Establishment

This official course syllabus is valid from the autumn semester 2022 in accordance with decision M-2021-1696 by the Dean of the ITM School: J-2021-1937. Decision date: 14/10/2021

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Computer Science and Engineering

Specific prerequisites

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 students should be able to:

- apply basic research methodology within empirical science, engineering science and design science
- design research projects with consistent use of theory and method to be able to answer a specific question and/or create a design based on specific preconditions
- discuss the relation between theory, method and analysis
- critically assess the results and analysis a research project based on its attempt
- discuss possibilities and limitations of different data collection techniques, methods, analyses and theoretical perspectives
- discuss ethical and social aspects within research in media technology
- discuss media technology research in relation to equality and sustainable development.

Course contents

Theory of knowledge; theoretical perspectives, data collection methods, analysis in interactive media and communication technology as well as research-ethical aspects on these; different views on knowledge production and research, technical development and design. Equality, sustainability and particularly social sustainability.

Examination

- INL1 - Homework, 2.5 credits, grading scale: P, F
- INL2 - Homework, 2.5 credits, grading scale: P, F
- INL3 - Homework, 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.

Other requirements for final grade

The course is based on active participation. For final grade, attendance on at least 80% of the classes is required.

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.