



DM128X Degree Project in Media Technology, First Cycle 15.0 credits

Examensarbete inom medieteknik, grundnivå

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

If the course is discontinued, students may request to be examined during the following two academic years

Establishment

The official course syllabus is valid from spring semester 2025 according to the decision of Director of First and Second Cycle Education: J-2024-2178. Date of decision: 2024-10-16

Grading scale

P, F

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Of the compulsory courses in the master of science in engineering programme in media technology (CMETE) in year 1 and year 2 and the course DM1595 Program development for interactive media, at least 102 credits must be completed by 1 November.

Language of instruction

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

Intended learning outcomes

The student should after completed Bachelor's degree project in media technology be able to

- apply skills and knowledge acquired in the field of media technology on a problem
- identify, formulate and solve problems and carry out assignments within given time frames
- reflect on, evaluate and critically discuss one's own scientific results and those of others
- based on a given problem formulation, choose, adapt and combine different methods as well as be able to justify and reflect critically about these choices
- search, collect, evaluate and critically interpret relevant information for a problem
- give an account of and discuss information, problems and solutions
- identify their need of additional knowledge and to develop their skills
- independently work within the field of media technology
- make assessments in the field of media technology informed by relevant disciplinary, social and ethical issues
- in speech and writing account for and discuss information, problems and solutions in dialogue with different audiences.

Course contents

The degree project should treat a, from a media technology perspective, interesting problem. For the assignment to be appropriate as a degree project, there must be interesting issues from the subject area to investigate.

Students can choose to carry out a degree project in one of the following two ways:

1. The emphasis of the work should lie on a practical group project that involves development and implementation of a media technological project. A project group should consist of three to five students who contribute to the project with supplementary knowledge and skills from courses in the Media Technology programme. The work includes making a careful specification, method and time plan for the assignment and to search for and read literature that is relevant for the degree project, and search for references from other comparable projects. The scope should be such that it is clear that the student has worked half-time during a semester. The work is reported through a practical demonstration of the project in exhibition format, a written report, and an individual reflection. Compulsory supervision meetings will occur.
2. The emphasis of the work should lie on study and analysis and the work is made individually or in a group of two. Any practical work, for example programming, should be of subordinate importance and aim for examining questions at hand. Included in the work is

to make a careful specification and time plan for the assignment and to search and read literature relevant for the degree project. The scope should be such that it is clear that the student has worked half-time during a semester. The work is presented in a written report and an oral presentation. Compulsory supervision meetings will occur.

Examination

- MET1 - Methods, 3.0 credits, grading scale: P, F
- XUPP - Exam project, 12.0 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.

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.