



DM2582 Media Lab 7.5 credits

Media Lab

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

Establishment

The course syllabus is valid from autumn 2024 according to the faculty board decision: J-2024-3117. Decision date: 2024-12-10

Grading scale

A, B, C, D, E, FX, F

Education cycle

Second cycle

Main field of study

Computer Science and Engineering

Specific prerequisites

Students who have taken the compulsory courses of the Media technology programme and have at least one completed specialisation are eligible. A method course equivalent to DM2572 Theory and method for Media and communication technology

Language of instruction

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

Intended learning outcomes

Students who have completed the course should be able to:

- demonstrate deeper methodological knowledge in the field of media technology and show the ability to use scientific methods to solve real problems.
- demonstrate the ability to critically, independently and creatively identify and formulate issues around complex problems within the media field.
- plan and carry out advanced tasks within given time frames, thereby contribute to the knowledge development and evaluation of the work.
- ask open-ended questions and use network resources and technical skills to develop the answers.
- give and receive feedback on the quality of the work, leading to revisions or further inquiry.
- show ability to oral and written communication, presenting their conclusions and discussing them in different groups, based on the knowledge and arguments that they obtained during the course
- acquire new knowledge through Self-Directed Learning (SDL)

Course contents

The course applies "student centered learning" on real problems from the media technology area.

The work is done in small groups, where the students under guidance of a teacher, acquire and apply new knowledge in a context of problem solving based on method knowledge for project work.

In these groups, a problem is defined, solutions are suggested and are validated by building of prototypes. The results are presented and documented.

Examination

- PRO1 - Project Work, 5.0 credits, grading scale: A, B, C, D, E, FX, F
- LIT1 - Literature Assignment, 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

LIT1- Literature assignment, 2.5, grading scale: P, F

PRO1- Project, 5.0, grading scale: A, B, C, D, E, FX,

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.