



DM2730 Technology Enhanced Learning 7.5 credits

Teknikförstärkt lärande

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

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-2021-1994. Decision date: 14/10/2021

Grading scale

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

Education cycle

Second cycle

Main field of study

Computer Science and Engineering

Specific prerequisites

Knowledge and skills in programming, 6 credits, equivalent to completed course DD1337/DD1310-DD1318/DD1321/DD1331/DD100N/ID1018.

Knowledge in basic computer science, 6 credits, equivalent to completed course DD2325/DD1320/DD1325/DD1327/DD2325/ID1020/ID1021.

Active participation in a course offering where the final examination is not yet reported in LADOK is considered equivalent to completion of the course.

Registering for a course is counted as active participation.

The term 'final examination' encompasses both the regular examination and the first re-examination.

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 should be able to:

- describe historical and contemporary perspectives on Technology Enhanced Learning (TEL)
- describe the theoretical foundations of TEL
- plan, design and evaluate TEL systems
- critique and apply TEL research in various learning settings.

Course contents

- The history of TEL.
- Relation to various theories of learning.
- Learning analytics.
- Question-based learning.
- Learnersourcing.
- Simulations for learning.
- Ethics and privacy.

Examination

- PRO1 - Project, 4.5 credits, grading scale: A, B, C, D, E, FX, F
- SEM1 - Seminars, 3.0 credits, grading scale: A, B, C, D, E, FX, 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.

Other requirements for final grade

For final course grade, attendance and active participation in at least 80% of the seminars 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.