



FDM3509 Learning Behaviour

7.5 credits

Lärandebeteende

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

Establishment

Course syllabus for FDM3509 valid from Autumn 2014

Grading scale

G

Education cycle

Third cycle

Specific prerequisites

Doctoral students in Media Technology, Human-Computer Interaction, Computer Science and close fields.

Language of instruction

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

Intended learning outcomes

By participation in the course the course participant should be able to

- Describe a number of learning theories and how they can be applied within TEL
- Design TEL that utilises for the situation relevant gamification aspects and persuasive technologies, and apply this on own research
- Design TEL that utilises for the situation relevant aspects from motivation theories and the behavioural economics, and apply this on own research.

Course contents

Behaviorism, cognitive psychology, activity theory, multimedia learning, gamification, behavioral economics, motivation theories, Keller's ARCS model for motivational design, irrational behaviour and persuasive technologies, and how these can be applied to improve learning.

Course literature

Articles to read, both articles proposed by teachers for respective part, and articles that are searched for by the participants according to instructions on the course web page.

Examination

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.

- SEM1 - Seminar, 7.5 credits, grading scale P, F

Other requirements for final grade

Completion of all assignments before each seminar and design of a TEL based course module.

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.