DM1581 Introduction to Media Technology 6.0 credits

Introduktion till medieteknik

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

Establishment

Course syllabus for DM1581 valid from Autumn 2018

Grading scale

P, F

Education cycle

First cycle

Main field of study

Information Technology, Technology

Specific prerequisites

Language of instruction

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

Intended learning outcomes

On completion of the course the student should be able to:

- use, discuss and problematise the in the course introduced perspectives within the subject area media technology
- reflect on, compare and create own definitions of basic terminology in media technology
- reflect, discuss and argue about the student role, studies and the responsibility for the learning process
- program a simple sensor platform and present it in both a popular format and in a scientific report
- search and evaluate information as well as utilise contents of simpler research reports
- identify important commercial agents in the media technology sector as well as carry out and present relevant study visits

in order to â€¦

- become better prepared for the remainder of the education
- get an insight in the competence needs of future professional possibilities
- receive an introduction to basic skills such as report writing, programming, study planning, group work, and to use the learning management system

Course contents

The course is intended to, within both the area of media and communication technology and the engineering programme in media technology give introduction to:

- the subject/subjects
- the sector (market, professional roles, users and development trends)
- programming and the use of sensor platforms
- KTH, higher studies and engineering work
- the degree programme in media technology and adjacent fields

Disposition

Lectures (with different guest lecturers)

Exercises

Laboratory exercises

Project work in groups/hackathon

Study visits

Reflection

Course literature

Will be announced 10 weeks before the start of the course on the course web.

Examination

- INL1 - Assignment, 1.0 credits, grading scale: P, F
- PRO1 - Project, 2.5 credits, grading scale: P, F
- INL2 - Assignment, 1.0 credits, grading scale: P, F
- INL3 - Assignment, 1.0 credits, grading scale: P, F
- LAB1 - Laboration, 0.5 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.

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.