

Modelling Project

Programme course

6 credits

Modelleringsprojekt

TNM085

Valid from: 2017 Spring semester

Determined by

Board of Studies for Computer Science
and Media Technology

Date determined

2017-01-25

Main field of study

Media Technology and Engineering

Course level

First cycle

Advancement level

G2X

Course offered for

- Media Technology and Engineering, M Sc in Engineering

Entry requirements

Note: Admission requirements for non-programme students usually also include admission requirements for the programme and threshold requirements for progression within the programme, or corresponding.

Prerequisites

Modelling and Simulation

Intended learning outcomes

After completing the course the student should be able to:

- perform computer animation of dynamic systems, work in a group that chooses and applies appropriate tools in particular in physical modelling, simulation, system theory and programming in order to solve a broader problem.
- formulate, organize and plan a project work.
- be able to describe the work in a technical rapport.

Course content

A dynamic model is built for a chosen project work. . By simulationg the model, the chosen system is studied in a dynamic way.

Teaching and working methods

After an introductory lecture, the course consists of self-study with work of simulation and help of a supervisor.

Examination

PRA1 Project work 6 credits U, 3, 4, 5

Grades

Four-grade scale, LiU, U, 3, 4, 5

Department

Institutionen för teknik och naturvetenskap

Director of Studies or equivalent

Adriana Serban

Examiner

Anna Lombardi

Education components

Preliminary scheduled hours: 2 h

Recommended self-study hours: 158 h

Course literature

Fastställes senare.

Common rules

Regulations (apply to LiU in its entirety)

The university is a government agency whose operations are regulated by legislation and ordinances, which include the Higher Education Act and the Higher Education Ordinance. In addition to legislation and ordinances, operations are subject to several policy documents. The Linköping University rule book collects currently valid decisions of a regulatory nature taken by the university board, the vice-chancellor and faculty/department boards.

LiU's rule book for education at first-cycle and second-cycle levels is available at http://stydokument.liu.se/Regelsamling/Innehall/Utbildning_pa_grund-_och_avancerad_niva.