

SYLLABUS

Advanced prototyping 7.5 credits D7011A

Avancerad modellbygggnad

Course syllabus admitted: Autumn 2023 Sp 1 - Present

**DECISION DATE
2022-02-11**

Advanced prototyping 7.5 credits D7011A

Avancerad modellbyggnad

Second cycle, D7011A

Education level	Grade scale	Subject	Subject group (SCB)
Second cycle	G U 3 4 5	Industriell design	Other Subjects within Technology

Entry requirements

Completed courses of at least 120 credits, of which at least 30 credits in the subject area Industrial design, with at least the grade Pass.

Selection

The selection is based on 30-285 credits

Course Aim

Students shall after the course be able to choose what kind of methods to use for building of models and prototypes for different applications. They shall understand the process and techniques to develop models for testing of form, function and how components integrate in the model.

Contents

Introduction. Lectures covering different model building techniques. Project work in small groups, hands-on laboratories, building of model/prototype.

Realization

Each course occasion's language and form is stated and appear on the course page on Luleå University of Technology's website.

The students will design a product according to provided instructions and shall choose the appropriate model building technique, planning the manufacture of a model/prototype and eventually manufacture it. Parallel with the project different model building techniques and various uses of models and prototypes will be present, during lectures and laboratories

Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided. To pass the course the students shall present a model with adequate quality and model building skills. All assignments shall be approved. A workbook, oral presentation and exhibition of model shall be done. Presence during lectures, labs and presentation are mandatory. Grade scale: U 3 4 5

Unauthorized aids during exams and assessments

If a student, by using unauthorized aids, tries to mislead during an exam or when a study performance is to be assessed, disciplinary measures may be taken. The term "unauthorized aids" refers to aids that the teacher has not previously specified as permissible aids and that may assist in solving the examination task. This means that all aids not specified as permissible are prohibited. The Swedish version has interpretative precedence in the event of a conflict.

Remarks

Students must register for the courses themselves, or contact ETKS educational administration eduetks@ltu.se, not later than three days after the quarter commences. Failure to do so can result in the place being lost. This rule also applies to students with a guaranteed place.

Course offered by

Department of Social Sciences, Technology and Arts

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0001	Approved laboratory work and approved presentations	G U 3 4 5	7.5	Mandatory	A11	

Last revised

by Director of Undergraduate Studies Daniel Örtqvist, Department of Social Sciences, Technology and Arts 2022-02-11

Syllabus established

by Stig Karlsson 2011-02-07