Linnæus University

Course syllabus

Faculty Board of Business, Economics and Design

School of Design

1DI103 Produktdesign/modellteknik, 6 högskolepoäng
1DI103 Product Design/Modeling Techniques, 6 credits

Main field of study
Design

Subject Group
Design

Level of classification
First Level

Progression
G1N

Date of Ratification
Approved 2009-06-24
Revised 2011-06-14 by School of Design.
The course syllabus is valid from autumn semester 2011

Prerequisites
Basic eligibility and English B (Field-specific entrance requirement 6 with the exception of Social Studies A) and an approved portfolio.

Objectives

After completing the course students are expected to have developed their ability to enable them to independently use model building as a tool in the design process. Students are also expected to have developed such design skills as are required to search for and evaluate knowledge on a basic craftsmanship level. By the end of the course students are further expected to have developed their skills to be able to independently choose method, material and level to visualize and present a design model as well as testing ideas and functions as function models. Furthermore, students are expected to be able to use and benefit from their experiences, express and make critical assessments of their own work as well as practically applying and developing their knowledge of modelling techniques.

Knowledge and Understanding
Students are expected to be able to

- demonstrate basic knowledge and independently choose method, material and

level to visualize and present a design model, as well as testing ideas and functions as function models,
- reflect on modelling techniques and their impact on design, and
- critically examine the model as a tool in the design process.

Ability and Skills
Students are expected to be able to

- realize, visualize and communicate their ideas through models, and
- present their reflections from the various perspectives of modelling/sketching tools, modelling/function tools, and modelling/presentation models.

Evaluation and Attitude
Students are expected to be able to

- critically examine and observe the relation of different design disciplines to design models.

Content
Module 1 Modelling Techniques I, 3 credits
Basic modelling techniques
Module 2 Modelling Techniques II, 3 credits
Deepened studies in applied modelling techniques

Type of Instruction
The teaching consists of theory and practical laboratory sessions in group as well as individual supervision. Attendance is mandatory in scheduled course elements.

Examination
The course is assessed with the grades Fail (U) or Pass (G).

For the Pass grade the expected study outcome must be fulfilled.
The examination takes the form of presentations of shape assignments and workbooks. The assessment is based on the five workbook dimensions, each of which may render 1-7 credits. The grades used are Pass (13-35 credits), or Fail (0-12 credits).
Re-examination is offered within six weeks in the framework of regular term periods. The number of examination opportunities is limited to five.

Course Evaluation
Towards the end of the course a course evaluation is conducted in accordance with the Linnaeus University guidelines. The evaluation result is compiled in a course report which is kept in the archives of the School of Design administrator and is discussed in the programme advisory committee. The result of the evaluation and any measures taken are communicated to the course coordinator and presented to the students on the next course occasion.

Required Reading and Additional Study Material
Mandatory literature
Neat, David (2008) *Model-making. Materials and methods.* The Crowood Press, Ramsbury. ISBN: 978-1-84797-017-6
Taavola, Karl (2009) *Ritteknik 2000 faktabok.* Athena lär. ISBN 9789188816214