

Course Syllabus

Design Project 7.5 Credits*, First Cycle

Learning Outcomes

Upon completion of the course, the student shall be able to:

- Evaluate whether or not a specification is complete enough to guide the design work
- Create a design that meets with the product specification
- Continuously evaluate the amount of work that remains in the design process
- Evaluate and motivate the choices made during the design
- Evaluate whether or not the final product meets with the specification and draw conclusions in terms of how the work was conducted
- Present work in a written report

Course Content

The student will design a product based on his or her own idea, a suggestion from an external organisation or from the University. The project starts with the creation of a specification that lists the demands on the product. During the design phase, the student will deliver frequent oral reports on the progress of the work. The reports shall show what has been done, what remains and how the steps have been documented. Finally the completed work is evaluated.

Assessment

Design Specification 1 credit

Oral Status Reports 1 credit

Written Reports 6.5 credits

Forms of Study

Frequent progress reports.

Grades

The Swedish grades U–G.

Prerequisites

At least 90 credits from a bachelor program in Mechanical Engineering

Machine Elements 7.5 credits, First Cycle

Other Information

The course is based on the knowledge acquired from the previous courses in the programme.

Subject:

Mechanical Engineering

Group of Subjects:

Mechanical Engineering

Disciplinary Domain:

Technology, 100%

Progression Indicator:

G2F

Approved:

Approved 15 February 2018

Valid from 1 July 2018