



# HL2033 Project 7.5 credits

## Projekt

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

## Establishment

Course syllabus for HL2033 valid from Spring 2012

## Grading scale

P, F

## Education cycle

Second cycle

## Main field of study

Medical Engineering

## Specific prerequisites

Depending on the chosen project task

## Language of instruction

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

## Intended learning outcomes

As an engineer you need to be able to integrate skills and knowledge from different areas. It is also expected from you to be able to construct a product or prototype from a given, not completely finished, specification of requirement.

### Main Objectives

The student should be able to integrate and deepen your knowledge from earlier or parallel going courses in a complex problem.

The result of this course will be a prototype which fulfils certain requirements and an oral and/or written presentation describing the product.

### Expected skills

After passing the course the student should be able to:

- Show an analytic ability by dividing a larger problem into smaller sub problems
- Show the ability to use relevant prerequisites to solve the task
- Show ability to independently search or ask for relevant information to solve the task
  - o Interpret data sheets and technical manuals
  - o Use resource persons to acquire searched information
- Present a technical product and discuss the work

## Course contents

The project work will be to construct a prototype fulfilling certain requirements. The work will be performed individually or in groups and presented orally and/or in writing.

## Disposition

The project can be done at KTH or at an external company or hospital.

The course will be presented in the student's transcript of records with course name and title of the project.

## Course literature

No course book. Finding suitable literature is part of the project work.

## Examination

- PRO1 - Prototype, 7.5 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.