



# EH1010 Project Course in Electrical Engineering 7.5 credits

## Elektroprojekt

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

If the course is discontinued, students may request to be examined during the following two academic years

## Establishment

Course syllabus for EH1010 valid from Spring 2023

## Grading scale

A, B, C, D, E, FX, F

## Education cycle

First cycle

## Main field of study

Electrical Engineering, Technology

## Specific prerequisites

## Language of instruction

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

# Intended learning outcomes

After completing the course, students shall be able to

- describe and use the principles of project work
- create the fundamental documents required for planning, following up, and finishing a project
- describe an interesting application of electrical engineering
- describe the fundamental prerequisites for engineering development work and independently be able to perform such a work effort
- present technical information in oral and written form
- reflect on equality and equal treatment, ethics and sustainability in relation to a product development project

in order to

- be able to make use of the knowledge of project work and apply it throughout the education.

## Course contents

The course consists of planning, carrying out and presenting an electrical engineering task as a project. The task represents an activity in the field of electrical engineering at KTH.

The course focuses on providing an understanding of problems associated with engineering project work.

The theoretical part consists of the following elements: The project as a form of work. Overview and examples of project models. The different phases of a project. Routines for project management. Documents in a project, e.g. project plan, status report, technical report and final report. Introduction to equality and equal treatment, ethics and sustainability.

The practical part consists of planning, carrying out and presentation of a technical task. The projects are carried out in teams of 4-5 students at the different laboratories belonging to the school of electrical engineering.

## Examination

- PRO1 - Project, 7.5 credits, grading scale: A, B, C, D, E, FX, 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.

## 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.