



HE1042 Project in Electric Power Engineering 2.0 credits

Projektuppgift i elkraftteknik

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 HE1042 valid from Spring 2020

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Knowledge equivalent to HE1032 Electric Power Engineering I and HE1036 Electric Power Engineering II

Language of instruction

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

Intended learning outcomes

The course constitutes a continuation in the course Power Engineering II in the form of an independent project assignment.

Learning outcomes

On completion of the course, the student should have advanced knowledge in

- Electrical CAD

Symbols

Drawing

Electrical channeling

Force and illumination

- Choice of material for electrical installation

- Dimensioning concerning the installation

- Protection in electrical installation

Course contents

Installation of electrical channeling, force and illumination in a real estate

The course includes the following components.

- Wiring diagram for current real estate

- Choice of components as well as cable for the installation

- Protective equalization

Examination

- PRO1 - Project, 2.0 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.