

Electric power technology

Elkraftteknik

6 credits

Programme course

TSFS16

Valid from: 2026 Spring semester

Determined by	Main field of study	
Board of Studies for Mechanical Engineering and Design	Energy and Environmental Engineering, Electrical Engineering	
Date determined	Course level	Progressive specialisation
2025-08-28	First cycle	G1N
Revised by	Disciplinary domain	
	Technology	
Revision date	Subject group	
	Physics	
Offered first time	Offered for the last time	
2023		
Department	Replaced by	
Institutionen för systemteknik		

Course offered for

- Master of Science in Mechanical Engineering
- Master of Science in Energy - Environment - Management
- Master of Science in Industrial Engineering and Management

Prerequisites

Senior highschool physics. Basic mathematical abilities. Derivatives and integrals. Complex numbers.

Examination

LAB1	Laboratory Work	2 credits	U, G
TEN1	Written examination	4 credits	U, 3, 4, 5

Grades for examination modules are decided in accordance with the assessment criteria presented at the start of the course.

Grades

Four-grade scale, LiU, U, 3, 4, 5

Other information

About teaching and examination language

The teaching language is presented in the Overview tab for each course. The examination language relates to the teaching language as follows:

- If teaching language is “Swedish”, the course as a whole could be given in Swedish, or partly in English. Examination language is Swedish, but parts of the examination can be in English.
- If teaching language is “English”, the course as a whole is taught in English. Examination language is English.
- If teaching language is “Swedish/English”, the course as a whole will be taught in English if students without prior knowledge of the Swedish language participate. Examination language is Swedish or English depending on teaching language.

Other

The course is conducted in such a way that there are equal opportunities with regard to sex, transgender identity or expression, ethnicity, religion or other belief, disability, sexual orientation and age.

The planning and implementation of a course should correspond to the course syllabus. The course evaluation should therefore be conducted with the course syllabus as a starting point.

The course is campus-based at the location specified for the course, unless otherwise stated under “Teaching and working methods”. Please note, in a campus-based course occasional remote sessions could be included.