

## Electric power technology

Elkraftteknik  
6 credits

Programme course

TSFS16

Valid from: 2025 Spring semester

<b>Determined by</b>	<b>Main field of study</b>	
Board of Studies for Mechanical Engineering and Design	Energy and Environmental Engineering, Electrical Engineering	
<b>Date determined</b>	<b>Course level</b>	<b>Progressive specialisation</b>
2024-08-28	First cycle	G1N
<b>Revised by</b>	<b>Disciplinary domain</b>	
	Technology	
<b>Revision date</b>	<b>Subject group</b>	
	Physics	
<b>Offered first time</b>	<b>Offered for the last time</b>	
2023		
<b>Department</b>	<b>Replaced by</b>	
Institutionen för systemteknik		

## Course offered for

- Master of Science in Mechanical Engineering
- Master of Science in Energy - Environment - 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

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.