

SYLLABUS

Degree project in Energy engineering, Bachelor of Science 15 credits E0003T

Examensarbete i Energiteknik, teknologie kandidat

Course syllabus admitted: Autumn 2023 Sp 1 - Present

**DECISION DATE
2020-09-23**

Degree project in Energy engineering, Bachelor of Science 15 credits E0003T

Examensarbete i Energiteknik, teknologie kandidat

First cycle, E0003T

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	U G#	Energiteknik	Energy Technology

Entry requirements

In order to meet the general entry requirements for first cycle studies you must have successfully completed upper secondary education and documented skills in English language and At least 135 credits from completed courses required for the degree, of which at most 15 credits may be remaining from base and core courses. The appointed examiner decides if the student has the depth of knowledge required for the proposed degree project.

Selection

The selection is based on 1-165 credits.

Course Aim

The overall objective of the course is that the student should practice, develop and demonstrate skills in applying theory and methodology to solve unstructured problems relevant to a professional activity as a Bachelor of Science in Energy Engineering.

This means that the student should be able to:

- Formulate a relevant problem based on a chosen topic in the field of Energy Engineering.
- Apply knowledge and skills acquired during the study period in an investigation, development or minor research project in an independent and systematic way.
- Select and motivate methodology for the study.
- With relevant information in an engineering manner, analyze and answer the formulated problem.
- Find and critically evaluate information and summarize it in an engineering manner.
- Plan, structure and carry out a development or investigation work.
- Assess the relevance of the results obtained
- Work by schedule.
- Express well in writing in a linguistically and scientifically correct manner
- Design and conduct a presentation where the results and conclusions of the work are reported and defended.
- Critically review other studies in a constructive way.

Contents

The content of the thesis work is designed in dialogue with the supervisor. The thesis work always contains a theoretical structure in the form of a literature study that highlights the field of technology and methodology, summarized in a scientific way.

Realization

Each course occasion's language and form is stated and appear on the course page on Luleå University of Technology's website.

The student carries out and plans independent thesis work with supervisor as support. The thesis work includes making a timetable for the entire project that is continuously monitored.

Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided.

- Written presentation of individual work.

In the report the student shows the ability to:

- Justify the chosen problem of study
 - Select and justify the study methods
 - Collect information relevant to the problem formulation with an explicit connection to the chosen theory/methods
 - Present the information collected in writing in a relevant manner
 - Analyse and defend the formulated problem from the chosen theory and methods
 - Critically review the relevance of the results obtained from a scientific and engineering point of view
 - Express themselves in writing in a correct linguistic and scientific manner.
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- Oral presentation of own work
 - Public discussion of the work of others
 - Attendance at presentations of the degree project work of others.

Unauthorized aids during exams and assessments

If a student, by using unauthorized aids, tries to mislead during an exam or when a study performance is to be assessed, disciplinary measures may be taken. The term “unauthorized aids” refers to aids that the teacher has not previously specified as permissible aids and that may assist in solving the examination task. This means that all aids not specified as permissible are prohibited. The Swedish version has interpretative precedence in the event of a conflict.

Course offered by

Department of Engineering Sciences and Mathematics

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0001	Degree project commenced	U G#	0	Mandatory	A19	
0002	Public discussion of others' degree project	U G#	0	Mandatory	A19	
0003	Oral presentation	U G#	0	Mandatory	A19	
0004	Accepted report	U G#	15	Mandatory	A19	

Syllabus established

by Huvudansvarig utbildningsledare (HUL) Niklas Lehto 2020-09-23