

Course Syllabus

Degree Thesis for Bachelor of Science in Engineering in Energy Technology 15 Credits*, First Cycle Level 2

Learning Outcomes

The aim of the course is that students, within a given framework, shall complete a piece of work that is developmental in character and they shall, as a result, apply knowledge and skills acquired during their studies and thus obtain additional knowledge in the subject area. More specifically, upon completion of this course, students shall be able to:

- Identify a scientifically interesting area to study and, with help from a supervisor, formulate a research question related to this.
- Complete, within a set time, a written scientific paper.
- Critically and systematically collect and process information from relevant literature.
- Choose a method and evaluate this as based on scientific requirements and engineering.
- Demonstrate an ability to place the work in context and identify the need for further knowledge.
- With regard to scientific aspects, critically and systematically review and evaluate their own work and the work of others, and communicate the results in dialogue with others.
- Write a report summary in English with proper use of the terminology within the subject area.

Course Content

For the main part, the course comprises independent work that can be conducted either by one student or in pairs, preferably in close cooperation with an external organisation. The work must be based on knowledge acquired during studies and must have clear relevance for the aims of the course.

Assessment

A written degree thesis that is defended, and opposition of another degree thesis, 15 credits.

Forms of Study

The thesis degree work comprises 10 weeks of full time studies. It is an independent work

that includes problem formulation, literature research, project specific studies, analysis and documentation. The work is conducted with supervision from a university supervisor. The work can be completed in cooperation with an external partner, this part can also appoint an external supervisor.

Grades

The Swedish grades U, 3, 4, 5.

The work must have been completed within 18 months from the commencement of the course; otherwise, the student will receive a grade of U.

Prerequisites

120 credits in Energy Engineering

Other Information

The degree thesis work cannot start before permission has been received from the examiner. When the degree work is conducted in pairs, it must be clear in the degree thesis which parts the individual authors have contributed.

Subject:

Energy Technology

Group of Subjects:

Energy Technology

Disciplinary Domain:

Technology, 100%

This course can be included in the following main field(s) of study:

1. No main field of study

Progression Indicator within (each) main field of study:

1. G2E

Approved:

Approved 8 October 2015

Valid from 5 January 2016