



MSc Degree Project in Resource Recovery Examensarbete i energi- och materialåtervinning

60 credits

60 högskolepoäng

Ladok Code: 42K16E

Version: 3.0

Established by: The Teaching Committee 2012-04-20

Valid from: Spring 2012

Education Cycle: Second cycle

Main Field of Study (Progressive Specialisation): Energy and Material Recovery (A2E)

Disciplinary Domain: Technology

Prerequisites: Special prerequisites

Since the degree project is the final course in the programme, the student cannot start the degree project if the student lacks more 15 hp besides the degree project for a degree in the programme. Furthermore, no essential courses for the specific degree project can be lacking. The decision is taken by the director of studies.

Subject Area: Energy Technology

Grading Scale: Fail (U) or Pass (G)

Content

Learning Outcomes

1. Knowledge and understanding within the principal area of engineering, including both a broad knowledge of the subject area and significant in-depth knowledge within particular aspects of the subject, as well as an in-depth insight into current research and development work.
2. In-depth methodological knowledge within the principal area of engineering for the course.
3. Ability to plan and use adequate methods to perform qualified tasks within a given framework, as well as to evaluate the work.
4. Ability to, with a holistic approach, critically, independently and creatively identify, formulate and handle complex issues.
5. Ability to account for, and discuss information, problems and solutions both verbally and in writing.
6. Ability to critically and systematically integrate knowledge.
7. Ability to create, analyse and critically evaluate various technical solutions.
8. Ability to, within the framework of the specific degree project, identify which issues need to be addressed with regard to sustainable development.
9. Ability to make judgements with regard to ethical aspects that are relevant to the specific degree project.
10. Knowledge and ability to work independently as a Master of Science within the work covered by the course.

Forms of Teaching

Tutoring forms the majority of the teaching given. Tutoring takes place both individually and in seminars.

Forms of Examination

The course will be examined through the following examination elements:

Project report 3

Learning outcomes:

Credits: 18

Grading scale: Fail (U) or Pass (G)

Seminars 1

Learning outcomes:

Credits: 2
Grading scale: Fail (U) or Pass (G)

Oral presentation

Learning outcomes:
Credits: 1
Grading scale: Fail (U) or Pass (G)

Project report 2

Learning outcomes:
Credits: 12
Grading scale: Fail (U) or Pass (G)

Literature and planning report

Learning outcomes:
Credits: 4
Grading scale: Fail (U) or Pass (G)

Seminars 2

Learning outcomes:
Credits: 2
Grading scale: Fail (U) or Pass (G)

Project report 1

Learning outcomes:
Credits: 12
Grading scale: Fail (U) or Pass (G)

Written report

Learning outcomes:
Credits: 9
Grading scale: Fail (U) or Pass (G)

Student rights and obligations at examination are in accordance with guidelines and rules for the University of Borås.

Literature and Other Teaching Materials

Information will be provided at the start of the course.

Student Influence and Evaluation

The head of department and teacher responsible for the course are responsible for ensuring that students are invited systemically and regularly to put forward their views on the course. The results of these assessments, which take place either verbally or in writing, form the basis for the structure of the course.

Miscellaneous