



COURSE SYLLABUS

Kandidatarbete i maskinteknik

Bachelor's Thesis

15 ECTS credit points (15 högskolepoäng)

Course code: MT1430

Educational level: Basic level

Course level: G2E

Field of education: Technology

Subject group: Mechanical Engineering

Subject area: Mechanical Engineering

Version: 4

Applies from: 2012-09-18

Approved: 2012-09-18

1 Course title and credit points

The course is titled Bachelor's Thesis/Kandidatarbete i maskinteknik and awards 15 ECTS credits. One credit point (högskolepoäng) corresponds to one credit point in the European Credit Transfer System (ECTS).

2 Decision and approval

This course is established by Department of Mechanical Engineering 2012-09-11. The course syllabus was revised by School of Engineering and applies from 2012-09-18.
Reg.no: ING560-0181-2012

3 Objectives

Bachelor's thesis is the final part of education in which the student must show that he/she can apply the knowledge built up over the previous studies. Bachelor's thesis is done individually or in groups, preferably in cooperation with a company or organization.

4 Content

Individually or in groups, towards companies or other institution performing a realistic assignment and report the results in writing and orally.

5 Aims and learning outcomes

Knowledge and understanding

On completion of the course the student will be able to:

- show knowledge and understanding in their main field of study, including knowledge of the scientific basis, knowledge of applicable methods in the field, specialization in any part of the field and orientation of current research issues.

Skills and abilities

On completion of the course the student will be able to:

- show ability to search, collect, evaluate and critically interpret relevant information to a problem

and to critically discuss phenomena, issues and situations.

- show ability to identify, formulate and solve problems and to perform tasks within specified time frames.

- show ability to orally and in writing to present and discuss information, problems and solutions in dialogue with different groups.

- show the skills required to work independently in the field of study.

Valuation capability and approach

On completion of the course the student will be able to:

- show ability within the major field of study to do assessment with reference to scientific, social and ethical aspects.
- show an understanding of the role of knowledge in society and the responsibility for its use.
- show the ability to identify their own need of further knowledge and develop their own skills.

6 Generic skills

7 Learning and teaching

Bachelor's thesis is an independent work. The assignment is carried out individually or in groups of two to a given timetable and in cooperation with a company or other organization. If the work is done in groups it should be visible what each student has contributed with. The student is responsible for independently supported by designated supervisor to plan and execute the mission. When the assignment is completed the result will be presented in a written report and in an oral performance for the company and the Universities representatives. Limitations in time for implementation:

-A student has three chances within a twelve month period in which to present a completed work in accordance with the scheduled presentations (from the date of the first registration for the course). If the student is unable to complete the report, the report

and the course will be unapproved.

-If a student fails the course, the student may re-register for the course again. That is, a student has two separate chances to complete the course, and allowed to change supervisor and subject (within the same course) between sessions.

-The student can request a total supervision during the first 18 months from the time the student is the first time registered on the course, after this time the section is not obligated to provide continued guidance.

8 Assessment and grading

Examination of the course

Code	Module	Credit	Grade
1405	Presentation and report ^[1]	15 ECTS	A-F

¹ Determines the final grade for the course, which will only be issued when all components have been approved.

The course will be graded A Excellent, B Very good, C Good, D Satisfactory, E Sufficient, FX Insufficient, supplementation required, F Fail. All element included in the Bachelor thesis will be examined. A compiled grade is given on the course where all the elements of the course from preparation to performance and reporting are included. If grade Fx are given, the student may after consultation with the course coordinator / examiner get an opportunity to within 6 weeks complement to grade E for the specific course element.

9 Course evaluation

The course coordinator is responsible for systematically gathering feedback from the students in course evaluations and making sure that the results of these feed back into the development of the course.

10 Prerequisites

In order to begin the Bachelor thesis, the student must have completed a minimum of 127.5 credit points including 45 credit points in the main field Mechanical Engineering.

11 Field of education and subject area

The course is part of the field of education and is included in the subject area Mechanical Engineering.

12 Restrictions regarding degree

The course cannot form part of a degree with another course, the content of which completely or partly corresponds with the contents of this course.

13 Course literature and other teaching material

