ME200X Degree Project in Industrial Economics and Management, Second Cycle 30.0 credits

Examensarbete inom industriell ekonomi, avancerad nivå

This is a translation of the Swedish, legally binding, course syllabus.

If the course is discontinued, students may request to be examined during the following two academic years

Establishment

Course syllabus for ME200X valid from Autumn 2016

Grading scale

A, B, C, D, E, FX, F

Education cycle

Second cycle

Main field of study

Industrial Management

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

After completing the thesis, the student should be able to:

- Through her/his work identify needs of and acquire deeper knowledge within some areas of Industrial Management
- Through her/his work demonstrate a deeper understanding of current research and development processes
- Independently, critically and creatively plan, formulate, analyze and generate solutions to complex problems within the area of Industrial Management within a specified time frame
- On an advanced level discuss, explain and apply current research, scientific theories and methods that are relevant to the thesis
- Both orally and in writing present the results of the thesis, and provide relevant feedback on other students' work through opposition
- Describe, analyze and propose changes to work, processes and structures within an organization with regard to work environment and possibly to other social aspects. This also applies when students are involved in a research project or work with a more individually selected problem
- Evaluate her/his work and discuss its conclusions and the possibilities and limitations of engineering compared to economically, socially and environmentally sustainable aspects
- Show the ability to make judgments with regard to scientific method and ethical aspects in relation to her/his own study by discussion theory and results.

Course contents

The main part of the course is to carry out a scientifically based investigation resulting in a written report, the master thesis. To secure relevant, interesting and valid results, the work must utilize established knowledge as well as generate new knowledge with the help of established theories and methods. The master thesis demands an interaction between theory, methods and empirical facts; thus the student has to be familiar with the academic world as well as with the world of the principal.

As a support the department offers tutoring and a series of seminars during the work. The continuous discussion of the master thesis work with supervisors and in seminars is an important part of the course.

Disposition

A series of seminars together with individual work that is supervised.

Specific prerequisites

In order to begin master thesis work at Indek it is required:

- at least 4**0 credits in the subject of industrial enginering and managment**,
- past by at least **240 credits in total**
- completed **ME2001/ME2002 Research methods in Industrial Engineering and Management, or equivalent**
- Demonstrate **sufficient subject deep** in relation to the specified problem area for the master thesis

Course literature

Is decided through discussion with the supervisor and examiner.

Examination

- PROA - Exam, 30.0 credits, grading scale: A, B, C, D, E, FX, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

Other requirements for final grade

Passed master thesis.
Passed defence of own thesis.
Passed opposition of another thesis.
Active participation in seminars.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.