ME211X 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 ME211X valid from Autumn 2016

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Industrial Management

Specific prerequisites

Requirements established by the engineering programme, for starting a degree project. These requirements are found in the programme syllabus.

In addition to these requirements, to start a degree project at the department of Industrial Economics and Management, the following is required:

- Completion of at least 40 credits in Industrial economics and management
- Completion of at least 240 credits in total
- Participation in the course ME2001/ME2002 Research Methods in Industrial Engineering and Management, or the equivalent
- Demonstration of sufficiently deep knowledge of the chosen problem area for the degree project

Language of instruction

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

Intended learning outcomes

After passing the course, the student should be able to:

1. demonstrate knowledge of the chosen topic's disciplinary foundation and proven experience, advanced insight into current research and development, as well as in-depth knowledge of methodology
2. holistically, critically and systematically search, collect and integrate knowledge, and identify one´s need for further knowledge
3. identify, analyse, assess and handle complex phenomena, issues and situations, even with limited information
4. plan and with adequate methods carry out advanced tasks within given time frames, and to evaluate this work
5. develop and evaluate products, processes, systems, methods or technical solutions, taking into consideration human conditions and needs, and the society's aim for economically, socially and ecologically sustainable development
6. orally and in writing in dialogue with different groups clearly present and discuss the conclusions and the underlying arguments
7. make judgements considering relevant scientific, social and ethical aspects
8. demonstrate the skills required to participate in research and development work, or to work independently in other advanced activities

Course contents

The main part of the course consists of independently carrying out a scientifically based investigation assignment, resulting in a written thesis. To ensure relevant, interesting and well-founded results, the work is based on knowledge of the topic and it develops new knowledge by means of scientific theories and methods. A good degree project requires interplay

between theory, method and empiricism, requiring the student to move metaphorically and literally between the employer's world and the academic world.

As a support, the department offers continuous supervision and a series of seminars throughout the degree project. The continuous discussions of the degree project, in individual talks with supervisors and in seminars, is a very important part of the course.

Disposition

Individual work under supervision and a seminar series.

Course literature

Bestäms i diskussion med handledare och examinator.

Decided in discussion with supervisor / examiner.

Examination

- XUPP - Exam, 30.0 credits, grading scale: P, 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

KTH's established criteria to pass degree project apply.

Passed master thesis.

Passed defence of own thesis.

Passed opposition of other thesis.

Active particiaption 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.