



ME2501 Perspectives on Industrial Management 6.0 credits

Perspektiv på Industrial Management

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

Establishment

Course syllabus for ME2501 valid from Autumn 2019

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Industrial Management

Specific prerequisites

- Achieved the requirements for a Bachelor's degree
- Basic course in Industrial management (e.g. ME1003, or corresponding) completed

Language of instruction

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

Intended learning outcomes

After the course the students will be able to:

- Discuss key theoretical areas and different levels of analysis in the field of industrial management from a systems perspective.
- Formulate and define problems to address complex management problems in industrial and technology intensive activities using knowledge and data from different types of sources.
- Evaluate and apply theoretical concepts, frameworks and methods related to the field of industrial management on activities in different industries in order to analyze and propose solutions to industrial challenges.
- Investigate, analyze, make judgements, and propose solutions for specific challenges and circumstances related to: management, gender, diversity, globalization and technology development in industrial and technology intensive activities.
- Discuss and critically analyze the implementation of sustainable development in industrial and technology intensive activities.
- Present in writing and orally findings and recommendations towards different audiences.
- Evaluate their own work and reflect on their own learning in the course, also in relation to future roles and management positions in industry.

Course contents

By applying a systems perspective on Industrial management the course offers insight into the scope of the field, the coherence between its various parts as well as clarification of the links between technology and management.

Within each of the three perspectives, students meet researchers from the Department of Industrial Economics and Management who present their own research.

In addition, the concept of sustainability is introduced in relation to the subject area of Industrial management.

Examination

- INL1 - Written Assignment I, 1.0 credits, grading scale: P, F
- INL2 - Written Assignment II, 1.0 credits, grading scale: P, F
- INL3 - Written Assignment III, 1.0 credits, grading scale: P, F
- INL4 - Written Assignment IIII, 1.0 credits, grading scale: P, F
- SEM1 - Seminar, 1.0 credits, grading scale: P, F
- PRO2 - Project, 1.0 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.

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

Other requirements for final grade

Note! The first two weeks of the course includes mandatory activities.

Pass on all assignments and project work as well as active participation in discussions, group work, seminars related to case studies, and participation in the field trip

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.