ME2501 Perspectives on Industrial Management 6.0 credits

Perspektiv på Industrial Management

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 ME2501 valid from Autumn 2011

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Industrial Management

Specific prerequisites

1. Specific entrance requirements according to educations at KTH
2. Basic course in Industrial management (e.g. ME1001, or corresponding)
3. Registration on the Industrial management master program

Language of instruction

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

Intended learning outcomes

The main objective of the course is to provide the student with the ability to examine and characterize the field of Industrial management from different perspectives. Furthermore, the goal is to give the student the abilities of practically handle a number of tools in order to approach and analyze problem related to this field – with a specific focus on the interplay between technology and management. In addition, provide a basic ability to evaluate theories and models based on specific challenges, such as high pace of change, diversity, and the globalization of markets. Finally, the specific content of the course is also aimed at challenging the students to reflect over their own learning and how their studies within the Industrial management master program relates to the requirement of future managerial positions in Industrial and technology intensive organizations. This means that after the course the student should be able to:

- Explain and discuss the meaning of, and the cohesion between, central theoretical areas and perspectives within the field of Industrial management.
- Apply theoretical concepts and frameworks related to the field of Industrial management on organizations in different industries for analyzing and provide solutions to problems based on case studies carried out in teams.
- Independently and in teams extract and structure data from diverse sources of information in order to approach complex managerial challenges based on well-formulated and defined problems.
- Examine and analyze specific challenges and conditions related to e.g. management, gender and diversity, operations, and product development in industrial and technology intensive organizations.
- Basic ability to evaluate and compare specific challenges and fundamental theories and models that are used within the field of Industrial management.
- Critically reflect over one's own learning in relation to future managerial roles in industrial and technology intensive organizations.

Course contents

The course consists of lectures and seminars structured around theory and practical approaches to challenges within the field of Industrial management. In addition, central elements related to the goals of the course are also guest lecturers from the industry and a study visit. The course consists of six building blocks:

- Introduction to the field industrial management
- The Industry perspective on Industrial Management
- The Functional perspective on Industrial Management
- The Individual perspective on Industrial Management
- A study visit and an accompanying guest lecture
- The top management perspective represented by a guest lecture
- An individual "learning paper"

Disposition

The first part of the course offers an introduction to the area and the scope of Industrial management.

For each of these perspectives the course will cover historical development and theoretical foundations, exemplifications from people with managerial experience, as well as hands-on training in applying theory on problems through case assignments.

Course literature

Articles, reports, and Case assignments distributed during the course.

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
- PRO1 - Project Work, 2.0 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

Pass grading on all assignments, the project work report as well as actively participation in discussions and seminars regarding case studies and participation in the study visit. Criteria for grades will be announced at the start of the course.

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.