



# ME1306 Industrial Project Management 7.5 credits

Industriell projektledning för I

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 ME1306 valid from Spring 2012

## Grading scale

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

## Education cycle

First cycle

## Main field of study

Technology

## Specific prerequisites

Only for CINEK1.

## Language of instruction

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

# Intended learning outcomes

To give students basic knowledge on industrial project management in different types of industrial operations. The aim is that course participants shall be well prepared to participate in industrial project work in their respective areas of expertise.

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

- Describe project management as a systems theory-based field of knowledge
- Describe the assumptions and implications of project organising as a perspective on project work
- Describe the main differences and similarities between the basic project types delivery projects, development projects and change projects
- Describe and formulate assumptions and implementation of project governance procedures
- Describe the work role of the project leader throughout the project process, also in relation to other actors related to the project
- Formulate project goals that are realistic, solution neutral and possible to evaluate
- Use tools such as WBS/PBS, OBS, Gantt schedules and network planning for detailed time planning of projects and be able to choose between these tools in a given project situation
- Describe the composition of standardised corporate project management models and the tasks usually assigned project Management Offices
- Describe a theoretical risk management process and simplified tools for project risk management
- Describe the procedures of project budgeting and the use of Earned Value Management
- Explain the relations between temporary and permanent organisational settings and describe solutions to the problems inherent in these relations
- Explain the relation between projects and their external environment and apply a stakeholder analysis to a specific project
- Describe the project leader role and the different aspects necessary to consider in team composition
- Analyse practical situations by means of project management tool and concepts, and recommend improvements of the project management process

## Course contents

The course is focused on planning and control activities in contract-based projects and change projects in several industrial areas. The established project management theory is compared to a number of cases. Starting by providing a basic understanding of the project management discipline and profession, the course goes on the topics such as project planning, project organising, management control and project leadership. Guest lecturers from industry will provide their view of practical project management.

## Course literature

Will be announced at the start of the course.

## Examination

- INL1 - Term Paper, 1.5 credits, grading scale: P, F
- KON1 - Control Exam, 2.0 credits, grading scale: A, B, C, D, E, FX, F
- SEM1 - Seminar, 2.0 credits, grading scale: P, F
- TEN1 - Examination, 2.0 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.

## 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.