ME1305 Introduction to Industrial Engineering and Management 7.5 credits

Introduktion till industriell ekonomi

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 ME1305 valid from Autumn 2011

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Only for CINEK1, not for I1.

Language of instruction

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

Intended learning outcomes

The course is aiming to give an overview of, and perspective on, the area of Industrial engineering and management, engineering work and typical lines of business for an Master of Science engineer in IEM. And at the same time the course will provide interest of, and understanding for, your own future education within KTHs IEM-program.

Course contents

After passing this course the student should be able to:

- Give an overview of, and account of, the subject Industrial engineering and management, and its development
- Explain and be able to apply basic terminology within the area industrial economics and management
- Give account of, and discuss, typical roles and work assignments for a Master of Science engineer in Industrial Engineering and Management. Both within, and besides, typical lines of businesses
- Give account for, and discuss, important actors, structures, organizational structures, development and history in a number of typical lines of businesses
- Depict and describe reasoning and discussions in writing and also present the work orally
- Search for, and evaluate, information
- Reflect around group dynamics and have sound knowledge about group dynamics, to be able to attend a project and execute group work in an efficient way
- Reflect around, discuss and argue around your role as a master of science student, and also your responsibility for your own learning

Course literature

Course literature will be given at the beginning of the course.

Examination

- PRO1 - Project, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- SEM1 - Seminars, 2.0 credits, grading scale: P, F
- TEN1 - Examination, 2.5 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.