



ME1003 Industrial Management, Basic Course 6.0 credits

Industriell ekonomi, grundkurs

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

Establishment

Course syllabus for ME1003 valid from Autumn 2018

Grading scale

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

Education cycle

First cycle

Main field of study

Industrial Management, Technology

Specific prerequisites

Completed upper secondary education.

Language of instruction

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

Intended learning outcomes

After completing the course you should be able to:

- Explain and describe various technology-based business models and the dynamics of value creation, value proposition, and value capture in industrial enterprises
- Explain and describe how industrial activities are managed and organized.
- Select, interpret and use different costing techniques as a basis for decisions in various business situations.
- Understand the basic principles of financial accounting and reporting
- Produce and interpret an industrial company's Annual Statement, at a basic level.
- Produce and analyze financial reports, on a basic level.

Describe the operations of an industrial enterprise from various perspectives, and analyze its basic strengths and weaknesses based on concepts from the field of Industrial Management

Course contents

The course focuses on the basic concepts and models that an engineer needs in order to understand and manage financial, organizational, and managerial issues in technology-based and industrial activities.

Module 1: Industrial value creation

- Technology as a competitive factor
- Technology-based business models and strategies
- Innovation, production and marketing
- Organization
- Human resource management and leadership

Module 2: Costing

- Profitability Analysis
- Product Costing
- Investment calculations

Module 3: Financial accounting and corporate finance

- Bookkeeping and financial accounting
- Annual Statement and Financial Analysis
- Corporate Finance

Disposition

The course consists of lectures and exercises and is examined by a written exam. A number of voluntary learning assignments, including a seminar task, are provided during the course. These can give bonus points on the first exam.

Course literature

"Modern Industrial Management" Engwall et. al., (latest edition), Studentlitteratur, Lund.

Exercises

Additional material distributed during the course

Examination

- KON3 - Partial Exam, 0.0 credits, grading scale: P, F
- KON2 - Partial Exam, 0.0 credits, grading scale: P, F
- KON1 - Partial Exam, 0.0 credits, grading scale: P, F
- TENA - Examination, 6.0 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.

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

Other requirements for final grade

Examination.

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.