



ME1044 Industrial management for Industrial Engineering

6.0 credits

Industriell ekonomi för Industriell teknik

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

Establishment

The official course syllabus is valid from the autumn semester 2025 according to the decision by the Faculty Board: M-2024-0018. Date of decision: 2024-10-14.

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

General entry requirements for higher education.

Language of instruction

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

Intended learning outcomes

On completion of the course, the student should be able to:

1. Describe, explain and apply relevant concepts and models in industrial value creation and describe and analyse how the activities of an industrial company can be described, organised and managed,
2. Explain how financial data is compiled and reported in industrial companies (accounting and financial reporting),
3. Carry out simple economic analyses of the activities of an industrial company based on financial statements (accounting analysis)
4. Explain how the activities of an industrial company are financed (corporate finance),
5. Describe how financial management and budgeting are organised in an industrial company,
6. Describe how a business idea can be formulated and concretised in a business plan that includes economic, environmental and social sustainability aspects

Course contents

The aim of the course is to provide an overall orientation and perspective on the subject area of Industrial Economics and Organisation. The course, in this way, prepares the student for working in a context that requires understanding of how economic factors play a role in an industrial company. Part of the course focuses on the operations of the industrial company and covers, among other things, the industrial company's value-creating processes, business models, technology development and innovation, business strategies, human resource management, organisation, project management and sustainable business. The second part deals with methods and tools for bookkeeping, accounting, financial analysis, financing and financial management and budgeting in industrial companies. The third part focuses on sustainable business development and includes the formulation of a business idea and the development of a business plan.

Examination

- TEN1 - Written exam, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- INL1 - Assignment, 1.5 credits, grading scale: P, F
- KON1 - Partial exam, 1.5 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.

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

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.

Additional regulations

Open only to students of the Bachelor of Science in Industrial Engineering (TINTE) programme.