



ME1040 Industrial Management for Biotechnology 4.0 credits

Industriell ekonomi för bioteknik

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

On 15/04/2022, the Dean of the ITM School has established this course syllabus to be applied from autumn term 2022 (registration number M-2022-0493).

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Additional regulations

None

Specific prerequisites

General entry requirements.

Language of instruction

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

Intended learning outcomes

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

1. select, interpret and use economic calculations as a basis for decision-making in different business situations.
2. use the basic concepts and the principles of bookkeeping and accounting, and describe and explain how the activities of an industrial enterprise can be financed,
3. compile and analyse financial reports for an industrial enterprise
4. describe the activities and strategic position of an existing industrial enterprise by means of concepts from the subject industrial management and carry out a basic economic analysis of the company's operations, financial position and how it is financed.

Course contents

The course focuses on basic concepts and models to understand and handle economic, organisational and management issues in technology-based and industrial operations, as an engineer. The course consists of two modules that are coordinated with ME1003 Industrial Management, Basic Course

Module Product costing and investment appraisal

- C/I analysis.
- Product costing.
- Investment appraisal

Modul Financial Accounting and Corporate Finance

- Book-keeping and accounting
- Annual report and financial analysis
- Corporate finance

The course consists of lectures and calculation exercises and is examined through two partial exams (each 1.5 higher education credits) and a written assignment (1.0 higher education credit). The grades on the partial exams and the written exam are combined to a final course grade. During the course, an optional business simulation (0 higher education credits) is offered, with associated written assignment that can raise the final course grade by one step.

Examination

- INLA - Assignments, 1.0 credits, grading scale: P, F
- KON5 - Partial exam, 1.5 credits, grading scale: A, B, C, D, E, FX, F
- KON6 - Partial exam, 1.5 credits, grading scale: A, B, C, D, E, FX, F
- SIMA - Business simulering, - 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.

Transitional regulations

Admitted students who have not completed the course with previous set of examination parts will be examined within the scope of the new examination parts

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.