



ML1030 Industrial Economics and Organisation 7.5 credits

Industriell ekonomi och organisation

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 ML1030 valid from Spring 2015

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

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, the student should be able to:

- account at a general level for socioeconomic phenomena such as market economy, employment, growth and foreign trade and have views on different economical political activities based on his own values
- identify and describe different formal organizational forms
- explain how an industrial organisation considering human needs and resources also achieve better economical results
- carry out a performance analysis and calculate break even, contribution margin and safety margin
- set up and solve a simple variable costing with two variables (products) and several constraints
- set up and carry out a traditional cost-price calculation with flat-rate overhead costs
- set up and solve a capital budget by means of pay-back and net present value
- explain why and when which cost-estimate models are appropriate
- calculate cost of capital tied up in stock, customer credits and accounts payable in a technology and capital intensive producing company
- account for different rules that govern the design of the external accounting
- carry out simple calculations of depreciation according to plan and appropriations
- explain the meaning of a market oriented company, describe the marketing process and apply some strategic marketing tools in the producer market
- interpret rules and suggest applications for some important regulatory framework within the business community in general and the industrial world in particular

Course contents

- Company types, the companies' terms and conditions and the company's interaction with its surrounding world
- Organisational principles, company culture, quality view, management philosophy, the influence of soft values and properties on business processes, and formal and informal structures in the organisation
- Basic concepts and models within industrial marketing
- Results and liquidity, product and capital budgetings, profitability calculations, financial analysis by means of key indicators, the principles of the presentation, capital needs, capital acquisition and capital cost
- LAS (Employment protection act), MBL (Act on co-determination at work), the marketing law and the anti-trust law

Course literature

Olsson, J & Skärvad, faktabok, ISBN 978-91-47-09909-2, 2013
Olsson, J & Skärvad, övningsbok, ISBN 978-91-47-09916-0, 2013
Olsson, J & Skärvad, lösningar, ISBN 978-91-47-09917-7, 2013

Examination

- TEN1 - Written examination, 6.0 credits, grading scale: A, B, C, D, E, FX, F
- ÖVN1 - Exercises, 1.5 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.

Other requirements for final grade

Passed written examination

Passed exercises

The Final grade is based on the grade of the written 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.