



AF1740 Economics, calculation and organization 7.5 credits

Ekonomi, kalkylering och organisation

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

Establishment

Course syllabus for AF1740 valid from Autumn 2012

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Students i year 2 of the Bachelor of Science in Engineering programme Constructional Engineering and Design.

Language of instruction

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

Intended learning outcomes

The overall objectives of the course is to provide an overall introduction to several core issues related to business economics and organisation.

Upon completion of the course, students shall be able to:

- prepare a capital investment appraisal using various methods (present value, annuity)
- understand several models for cost and income breakdown and their application in the construction sector, using construction calculation tools
- describe various organisational models and their structure, performance and application
- explain the strategic market aspects of business operations
- describe the main elements of labour law theory

Course contents

- Cost and income breakdown
- Investment calculations
- Construction calculations
- Accounting /bookkeeping
- Organisational theory
- Marketing

Disposition

- The course is taught through lectures, featuring elements of practical implementation
- Application of theory projects, in the form of setting up a business plan based on an individual business concept
- Lab work in Excel, obligatory project module
- Guest lecture in labour law
- Calculation workshop

Course literature

Företagsekonomi 100 faktabok, Skärvad/Olsson, Liber förlag
Företagsekonomi 100 övningsbok, Skärvad/Olsson, Liber förlag

Examination

- PRO1 - Project, 1.5 credits, grading scale: P, F
- TEN1 - 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.

The project (PRO1 1.5 credits) consists of developing a written business plan and oral presentation based on a chosen business idea. Heading template and supervisory document for the business plan can be found in the course memo.

A passed exam (TEN1, 6 credits) is graded A, B, C, D or E.

Students given a grade of Fx shall submit a complementary assignment, the scope and contents of which are based on the knowledge gaps displayed in the submitted exam. A grade of F means that the exam must be re-taken.

Other requirements for final grade

To receive a final grade for this course, a passing grade on the project as well as grade E or higher on the written examination are required.

Overall course grade is based on grading scale A-F.

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.