# AF1740 Economics, calculation and organization 7.5 credits

**Ekonomi, kalkylering och organisation**

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

## Establishment

The official course syllabus is valid from the spring semester 2026 as decided by the Faculty Board: dnr HS-2026-0908, 3.2.2. Decision date: 2026-05-21

## Grading scale

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

## Education cycle

First cycle

## Main field of study

Technology

## Specific prerequisites

Course registered at:

AF1737

AF1744

AF1745

## Intended learning outcomes

After passing the course, the student should be able to

- apply investment calculations with different methods (Net Present Value, Pay-Back, Internal rate of return, Annuity)
- arrange and apply calculation methods based on direct as well as on indirect costs, to execute prime cost calculations, and utilize calculation models based on direct variable costs as well as on marginal costing in construction management
- analyze different organization models based on structure, performance and application.
- analyze market strategic aspects of business operations
- describe a marketing process and create an action plan for a sustainable development of the business concept in a business plan
- describe the main features of the practical application of Swedish labor law.

## Course contents

- Capital investment calculations
- Cost and revenue analysis
- Construction costing
- Organization theory

## 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 course is examined through a project assignment (PRO1) and a written exam (TEN1).

## Transitional regulations

The course was last offered in the spring semester 2026 and is no longer being taught. Students who began the course no later than the spring semester 2026, but have not yet completed it, will be given the opportunity to do examination no later than the spring semester 2028.

## 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.