



SF2872 Mathematical Economics 6.0 credits

Matematisk ekonomi

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

Establishment

Course syllabus for SF2872 valid from Autumn 2007

Grading scale

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

Education cycle

Second cycle

Main field of study

Mathematics

Specific prerequisites

Basic course in Optimization.

Language of instruction

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

Intended learning outcomes

That the student should get a basic knowledge in modern mathematical microeconomics.

Course contents

Production and cost. Behavior of the firm. Individual preferences.

Consumer demand. Economic efficiency. General competitive equilibrium.

Game theory. Public goods and externalities. Welfare and social choice.

Course literature

Hal R. Varian: Microeconomic analysis

Examination

- 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.

Other requirements for final grade

A 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.