



AH2001 Microeconomics 7.5 credits

Microeconomics

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 AH2001 valid from Autumn 2010

Grading scale

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

Education cycle

Second cycle

Main field of study

Specific prerequisites

A completed Bachelor's degree including at least 30 credits in mathematics/economics and documented proficiency in English B or equivalent (TOEFL, IELTS eg).

Language of instruction

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

Intended learning outcomes

The aim is to make students familiar with the foundations of microeconomic theory in such a way that they can use theoretical results as tools in applied analysis. This includes duality theory, Lagrange optimization, game and decision theory under risk conditions.

Learning outcome

- Skills to formulate microeconomic problems in the form of optimisation models.
- To capability to interpret optimisation models, results and to use them as a means to derive demand and supply behaviour as well as equilibrium solutions

Course contents

- Theory of the Technological change
- The Production Function
- Theory of the Firm
- The Entrepreneurial Firm
- Theory of the Market
- Theory of the Consumer
- General Equilibrium Theory
- Topics on the Economics of Information

Course literature

Jehle, G.A., Reny, P.J. (2001) *Advanced Microeconomic Theory* (2nd edition) Addison-Wesley Longman Inc.

Additional papers and materials will be delivered by the course administration.

Examination

- TEN1 - 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

Term paper, written exam.

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.