



Course syllabus

Faculty Board of Business, Economics and Design
School of Business and Economics

1NA000 Ekonomisk matematik I, 3 högskolepoäng
Mathematical Economics I, 3 credits

Main field of study

Economics

Subject Group

Economics

Level of classification

First Level

Progression

GIN

Date of Ratification

Approved by Organisational Committee 2009-06-17

The course syllabus is valid from spring semester 2010

Prerequisites

Mathematics C, Civics A. Basic eligibility and Mathematics C and Civics A

Expected learning outcomes

After the course the student should be able to

- Make arithmetic calculations
- Understand and solve algebraic problems
- Understand and use functions and their properties
- Define derivatives and differentiation rules
- Use simple applications of differentiation

Content

The content of the course is:

- basic arithmetic
- algebra
- equation solving
- functions and their properties
- definition of derivative and differentiation rules

Type of Instruction

Lectures and exercises.

Examination

The course is assessed with the grades Fail (U) or Pass (G).

The examination can be done through written assignments and/or written examination.

A retest will be offered a few weeks after the original test for students who have not successfully passed the original test. At least 5 tests will be offered.

The grades are Pass (60% -100%) or Failure (0% - 59%).

Students at Linnaeus University are entitled to have the course grade translated into the 7-step ECTS scale. A request to have the grades translated must be made to the teacher at the start of the course.

Course Evaluation

A written course evaluation is performed and compiled into a report to be kept in the university school archives. The result and any measures taken are communicated to the course co-ordinator and presented to the students participating the next time the course is offered.

Required Reading and Additional Study Material

Required reading

Sydsaeter, Knut and Peter Hammond,

Essential Mathematics for Economic Analysis, Prentice Hall, latest edition, about 250

or

Månsson, Jonas, Grundläggande matematik för samhällsvetare och ekonomer, latest edition, Studentlitteratur, 192 pages