



## Course syllabus

Faculty Board of Business, Economics and Design

School of Business and Economics

1NA000 Ekonomisk matematik I, 3 högskolepoäng

1NA000 Mathematical Economics I, 3 credits

### **Main field of study**

Economics

### **Subject Group**

Economics

### **Level of classification**

First Level

### **Progression**

G1N

### **Date of Ratification**

Approved 2009-06-17

Revised 2011-09-30 by School of Business and Economics. Revision to clarify the field-specific entry requirements and grading (standardization of the text).

The course syllabus is valid from autumn semester 2011

### **Prerequisites**

General entry requirements and Civics 1b / 1a1 +1a2, Mathematics 2a / 2b / 2c or Civics A (Field-specific entry requirements 4/A4).

## Objectives

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.

Results are graded using one of the terms Passed with distinction (80% -100%), Pass (60%-79%) or Fail (0%-59%), and A-F according to the ECTS scale.

Students who do not achieve a satisfactory result in the examinations are permitted to make a second attempt approximately 5-8 weeks after the normal examination date. The student will have a minimum of five occasions for written exams in relation to the syllabus to which the student was accepted. Usually 3 occasions per academic year.

## 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