Linnæus University

Course syllabus

Faculty Board of Business, Economics and Design

School of Business and Economics

1NA002 Ekonomisk matematik II, 7,5 högskolepoäng
1NA002 Mathematical Economics II, 7.5 credits

Main field of study
Economics

Subject Group
Economics

Level of classification
First Level

Progression
G1F

Date of Ratification
Approved by School of Business and Economics 2011-01-21
The course syllabus is valid from autumn semester 2011

Prerequisites
Economics 1-30 higher education credits or equal

Objectives
After the course students should have:

- Basic knowledge of mathematical methods
- Knowledge of mathematical application in economics
- The ability to use mathematical methods applied on economic problems

Content
This course deals with functions of one and several variables, optimization with and without restrictions, integration, vector and matrix algebra and difference equations. The course is applied and is focused on problem solving in economics.

Type of Instruction
Lectures and exercises.

Examination
The course is assessed with the grades Fail (U), Pass (G) or Pass with Distinction (VG).

The examination is normally done by 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 with Distinction (80%-100%), Pass (60%-79%) or Failure (0%-59%).

Course Evaluation

A written evaluation in conducted and complied in a report, which is filed at the department. The result and actions, if taken, are communicated to the teacher responsible for the course and presented to the students in the way most appropriate according to the teacher responsible for the course. Other types of evaluations, such as continuous during the course or oral communication with the students, can occur and is encouraged to secure continuous quality improvement.

Required Reading and Additional Study Material

Required reading

Sydsaeter, Knut and Peter Hammond,
Essential Mathematics for Economic Analysis,
Prentice Hall, latest edition, about 500 pages