

Syllabus

for course at first level

Basic Statistics for Economists

Grundläggande statistik för ekonomer

15.0 Higher Education

Credits

15.0 ECTS credits

Course code:	STE101
Valid from:	Autumn 2010
Date of approval:	2010-03-25
Department	Department of Statistics
Main field:	Statistics
Specialisation:	G1N - First cycle, has only upper-secondary level entry requirements

Decision

This syllabus was approved by the Board of the Department of Statistics on April 9, 2008.

Prerequisites and special admittance requirements

Swedish upper secondary school courses English B, Mathematics C and Social Sciences A or equivalent.

Course structure

Examination code	Name	Higher Education Credits
11ST	Statistics for Economists, Examination	7.5
12EI	Econometrics, Compulsory Exercise	3
13MI	Market Surveys, Compulsory Exercise	3
14BI	Data for Decisions, Compulsory Exercise	1.5

Course content

The course provides basic knowledge about descriptive statistics, various data sources such as official statistics, databases and statistical directories, data mining, decision theory, probability theory and stochastic variables and their distributions, inference such as point- and interval estimation and hypothesis testing, various kinds of research methods, including both quantitative and qualitative methods, sampling methods, data collection methods and questionnaire construction, various types of errors and quality report, correlation measures and simple and multiple regression, time series and predictions, index theory, ethical regulations, statistical software, where the emphasis is on critical thinking about the treated concepts, definitions and methods

Learning outcomes

After completing the course, students should be able to:

- identify, solve and interpret elementary statistical problems with economic applications
- handle and interpret basal models within regression- and time series analysis
- plan a market survey, obtain a sample, and present the results in a report
- find appropriate data sources and describe them as a basis for decision making

Education

Teaching forms may consist of lectures, exercises, seminars, computer sessions and tutoring. Some compulsory attendance and other mandatory elements may occur.

Forms of examination

Teaching forms may consist of lectures, exercises, seminars, computer sessions and tutoring. Some compulsory attendance and other mandatory elements may occur.

a. Examination will be done by measuring the knowledge of the learning outcomes. Examination will comprise a written test and written reports and oral presentations of group and/or individual compulsory exercises.

b. Grading is done according to a 7-point scale related to the specified learning outcomes:

A = Excellent

B = Very Good

C = Good

D = Satisfactory

E = Sufficient

Fx = Insufficient

F = Completely insufficient

c. Grading criteria will be distributed at the beginning of the course.

d. To pass the entire course, it is required a minimum grade of E for part 1 and Pass for parts 2, 3 and 4.

e. Students who have received the grade Fx or F on an examination are entitled to at least four additional examinations to achieve the lowest grade E as long as the course is given.

Students who have received the grade E on an examination may not retake this examination in order to attempt to achieve a higher grade.

Students who have received the grade Fx or F on an examination on two occasions by the same examiner have the right to request that a different examiner be appointed to set the grade of the examination. Such a request must be in writing and sent to the head of the department.

Here, the term examination denotes all compulsory elements of the course.

Interim

Students can request examination in accordance with this syllabus up to three times during a period of two years after the course is no longer given. Such a request must be in writing and sent to the head of the department.

Here, the term examination denotes all compulsory elements of the course.

Required reading

The course literature is described in an appendix to the syllabus.