Department of Statistics

Stockholm University

Syllabus

for course at first level

Sample Surveys
Urvalsundersökningar

7.5 Higher Education Credits
7.5 ECTS credits

Course code:	ST306G
Valid from:	Autumn 2009
Date of approval:	2008-10-15
Department	Department of Statistics
Subject	Statistics
Specialisation:	G2F - First cycle, has at least 60 credits in first-cycle course/s as entry requirements

Decision

This syllabus was approved by the Board of the Department of Statistics of Stockholm University on 15 October 2008.

Prerequisites and special admittance requirements

Statistical Theory with applications, Basic Level, 15 ECTS credits or equivalent.

Course structure

Examination code	Name	Higher Education Credits
11UT	Sample surveys, examination	6
12UI	Sample surveys , Compulsory Exercise	1.5

Course content

The course consists of two course units:
1. Sample surveys, examination
2. compulsory exersice in Sample surveys
The course will deepen your knowledge about sample surveys and their planning. It teaches different ways to execute and analyse statistical sample surveys. It teaches how these methods can be applied in more complicated sample situations with assistive information.
The following concepts are studied in more detail: Planning of sample and census surveys. Estimation methods for finite populations. Simple random sampling. Quota sampling and regression estimates. Stratified sampling. Cluster and multistage sampling. Varying probability sampling. Non-response and other error sources. Practical examples taken from different application areas.
The course content provides knowledge that is extremely useful for the application of statistical methods in different study and survey situations.

Learning outcomes

After completing the course the student will be able to:
• account for concepts, methods and theories that are applied during the performance and analysis of statistical sample surveys,
• use and apply estimation methods for solving different problems in statistical sample surveys.

Education

The teaching can consist of lectures, exercises, seminars, laboratory work and supervision. Some attendance is mandatory and other mandatory components can be included.

Forms of examination

a. The course is examined by the assessment of the expected learning outcomes. Assessments take the form of a written examination and written and/or oral presentation of a written assignment.

b. The course is graded according to a seven-point criteria-based grading scale:
A = Excellent
B = Very Good
C = Good
D = Satisfactory
E = Adequate
Fx = Inadequate
F = Totally Inadequate

c. The grading criteria for the course are distributed at the start of the course.

d. In order to pass the course, a grade E or higher is required on course component 1 and a Pass is required on component 2.

e. Students who have received grade Fx or F on an examination are entitled to at least four additional examinations to achieve the minimum grade E, as long as the course is given.
Students who have received grade E or higher on an examination may not retake this examination in order to achieve a higher grade.
Students who have received 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 grade the examination.
The request must be made to the head of the department in writing. Other obligatory parts of the course are also included in this rule.

Interim

Students can request examination in accordance with this syllabus provided no more than three times during a two-year period after the course is no longer given. The request must be made to the head of the department in writing. All compulsory elements are included in this rule.

Limitations

This course may not be included in a degree together with the course ST202G.

Required reading

The course literature is listed in an appendix.