

Preliminary Syllabus

for course at the advanced level

Methods for Official Statistics

Officiell statistikproduktion

7.5 Higher Education Credits

7.5 ECTS Credits

Course code: ST729A

Valid from: Spring 2012

Date of approval:

Department: Department of Statistics

Main field: Statistics

Specialization: A1N-Second cycle, has only first-cycle courses as entry requirements

Decision

This syllabus is approved by the Board of the Department of Statistics at Stockholm University

Prerequisites and special admittance requirements course

Those for the Master's programme in statistics, i.e., 180 higher education credits, 90 of them in statistics or equivalent subjects

Course structure

Examination code	Name	Higher education credits
110S	Methods for Official Statistics	7.5

Course content

The course consists of one phase

1. Production of Official Statistics

The course treats various aspects of methodological aspects of the production of official statistics. More specifically it will treat work conducted at the Swedish national statistical agency, Statistics Sweden. Topics include quality management systems, data collection modes, development and testing of questions and questionnaires, geographical information systems, treatment of nonresponse, disclosure avoidance techniques as well as more detailed discussions about issues related to one business survey and one survey of individuals. Also some other aspects will be referenced in connection with the above.

The course will discuss matters on a more practical level than is usually the case in textbooks on survey methodology and statistics production.

Learning outcomes

After the course the student is expected to have gained such insights into the statistics production culture so that he or she

- is able to participate in a statistics production team
- has the tools to propose improvement projects
- has the skills to handle a variety of methodological problems associated with specific production processes
- can assess risks of data disclosure and suggest measures to deal with those risks

Teaching method

Teaching consists of lectures and exercises.

Examination

Examination is conducted by means of home assignments. Grading is done according to the seven grade scale A, B, C, D, E, Fx, and F. To pass the course at least grade E must be achieved.

Required reading

A course pack will be distributed at the first session.

Miscellanea

The course is a part of the Master's program in Statistics and is mandatory for students participating in the Master's program in survey methods and official statistics. The course is also offered as a stand-alone course.

