



DEPARTMENT OF ECONOMICS

STK132 Statistics: Basic course 3, 7.5 credits

Statistik: Grundkurs 3, 7,5 högskolepoäng

First Cycle

Confirmation

This course syllabus was confirmed by Programme in Business and Economics (ICU) on 2020-12-10 to be valid from 2021-08-30, autumn semester of 2021.

Field of education: Social Sciences 100%

Department: Department of Economics

Position in the educational system

STK132 is a 7.5 credits course in Statistics within the first-cycle level.

The course can be part of the following programmes: 1) European Studies Program (S1EUR) and 2) Program in Political Science (S1STV)

Main field of studies

Statistics

Specialization

G1F, First cycle, has less than 60 credits in first-cycle course/s as entry requirements

Entry requirements

Admission to STK132 requires previous knowledge of a minimum of 15.0 credits in Statistics or the equivalent.

Learning outcomes

On successful completion of the course the student will be able to:

1. understand and use common statistical distributions
2. perform statistical power calculations
3. understand and use non-parametric methods
4. understand and use methods for analysis of categorical data

5. understand and use methods for analyzing time series
6. understand and relate to the limitations of statistical methods

How overall learning goals for the bachelor's degree are related to the learning outcomes of the course:

Overall learning goals	Learning goals
Knowledge and understanding	1, 2, 3, 4, 5, 6
Skills and abilities	1, 2, 3, 4, 5, 6
Judgement and approach	6

Course content

The course complements and deepens the knowledge that has been acquired in the first two basic courses in statistics (STK110 and STK120). The main elements of the course include common statistical distributions and how these can be used in uncertainty calculations, power calculations, non-parametric methods, methods for analysis of categorical data, and analysis of time series. To a greater extent than in previous courses, we handle the statistics through mathematics and fairly good mathematical skills are needed.

Form of teaching

The course content is presented at lectures and through supervision of exercises.

Language of instruction: Swedish

Teaching activities in English may occur.

Assessment

The course is examined through assignments and a written exam.

A student who has taken two exams in a course or part of a course without obtaining a pass grade is entitled to the nomination of another examiner. The student needs to contact the department for a new examiner, preferably in writing, and this should be approved by the department unless there are special reasons to the contrary (Chapter 6 Section 22 of the Higher Education Ordinance).

If a student has received a recommendation from the University of Gothenburg for special educational support, where it is compatible with the learning outcomes of the course and provided that no unreasonable resources are required, the examiner may decide to allow the student to sit an adjusted exam or alternative form of assessment.

In the event that a course has ceased or undergone major changes, students are to be guaranteed at least three examination sessions (including the ordinary examination session) over a period of at least one year, but no more than two years, after the course has ceased/been changed. The same applies to placements and professional placements (VFU), although this is restricted to just one additional examination session.

Grades

The grading scale comprises: Excellent (A), Very good (B), Good (C), Satisfactory (D), Sufficient (E) and Fail (F).

Course evaluation

Course evaluation is done digitally and anonymously at the end of the course.

The survey material is compiled and the results from the course evaluation and proposals for possible improvement measures are discussed at the course committee meeting. After the course evaluation is completed, the result will be published at the course homepage.

If a change of course is done based on the course evaluation, this will be communicated at the course introduction for the upcoming student group.