

Social Network Analysis

Single subject and programme course

7.5 credits

Social Network Analysis

771A10

Valid from: 2018 Spring semester

Determined by

The Quality Board at the Faculty of Arts
and Sciences

Date determined

2017-02-03

Main field of study

Sociology

Course level

Second cycle

Advancement level

A1X

Entry requirements

A bachelor's degree/kandidatexamen of at least 180 ECTS credits, including a 15 ECTS credit degree paper, or equivalent, within humanities, behavioral or social sciences, natural sciences, mathematics, statistics, economics, or computer science. Additionally required at least 7,5 ECTS credits of Statistics or equivalent. Documented knowledge of English equivalent to Engelska B/Engelska 6.

Intended learning outcomes

After completing the course the students should at an advanced level be able to

- explain basic graph-theoretic concepts of network analysis,
- critically examine the ways in which networks can contribute to the explanation of social, political, economic and cultural phenomena,
- apply state-of-the art software to visualize networks and to analyze their properties,
- explain basic principles behind stochastic actor-based models,
- apply stochastic actor-based models to analyze how networks and individual behavior influence each other.

Course content

The course begins with an introduction to network analysis and its technical and statistical tools. Students will conduct advanced computer-based tutorials and exercises based on relevant software. Laboratory work is a core content of the course.

Teaching and working methods

The course is organized around lectures, seminars, computer-intensive laboratory sessions, and supervised independent work. In addition, students should do independent reading on their own. Language of instruction: English.

Examination

Examination consists of individual assignments and a final project. Detailed information about the examination can be found in the course's study.

Students failing an exam covering either the entire course or part of the course twice are entitled to have a new examiner appointed for the reexamination.

Students who have passed an examination may not retake it in order to improve their grades.

Grades

ECTS, EC

Other information

Planning and implementation of a course must take its starting point in the wording of the syllabus. The course evaluation included in each course must therefore take up the question how well the course agrees with the syllabus.

The course is carried out in such a way that both men's and women's experience and knowledge is made visible and developed.

Department

Institutionen för ekonomisk och industriell utveckling