# Language and Computers

## Programme course

## 9 credits

## Språk och datorer

## 729G49

## Valid from: 2019 Spring semester

**Determined by**
Course and Programme Syllabus Board at
the Faculty of Arts and Sciences

**Date determined**
2018-11-13

# Main field of study

Cognitive Science

# Course level

First cycle

# Advancement level

G1N

# Course offered for

- Bachelor´s Programme in Cognitive Science

# Intended learning outcomes

On completion of the course, the student should be able to:

- describe and explain basic concepts within linguistics, especially from morphology, syntax, and semantics
- perform basic linguistic analyses such as part-of-speech analysis and dependency analysis
- use computer-based tools and programming to collect, analyse and validate linguistic data sets (corpora)
- plan and carry out simple corpus studies, and present and critically assess the results

# Course content

The course covers:

- Introduction to linguistics. Theoretical overview of basic concepts with a focus on morphology, syntax, and semantics. Basic analysis techniques such as part-of-speech analysis and dependency analysis.
- Computer-based processing and analysis of linguistic data sets (corpora). Introduction to data formats, computer tools and programming techniques. Computer labs with linguistically annotated text.
- Corpus studies. Introduction to methodology and validation measures. Synthesis of

theoretical knowledge and practical skills by their application to a limited-size computer-based corpus study.

## Teaching and working methods

The course is given in the form of lectures, teaching sessions, lab sessions and seminars. The student is also expected to study independently, both individually and in groups.

## Examination

The course is examined by a test, by laboratory assignments, and by a written assignment in connection with the corpus study. Detailed information can be found in the study guide.

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

Three-grade scale, U, G, VG

## 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 datavetenskap