LT2001   Introduction to programming, 7.5 credits
Introduktion till programmering, 7,5 högskolepoäng
Second Cycle

Confirmation

This course syllabus was confirmed by Department of Philosophy, Linguistics and Theory of Science on 2018-05-29 and was last revised on 2023-11-13 to be valid from 2024-01-15, spring semester of 2024.

Field of education: Science 100%
Department: Department of Philosophy, Linguistics and Theory of Science

Position in the educational system

The course is part of the Master's programme in Language Technology (H2MLT). It can also be offered as a freestanding course.

The course can be part of the following programmes: 1) Master in Language Technology (H2LTG) and 2) Master in Language Technology (One year or Two years) (H2MLT)

Main field of studies	*Specialization*
Language Technology	A1N, Second cycle, has only first-cycle course/s as entry requirements

Entry requirements

For admission to course a Bachelor Degree in some of the following subjects:

- computer science,
- computational linguistics or language technology,
- linguistics (including at least 30 credits in formal linguistics or programming),
- adjacent subject, e.g. cognitive science, languages, philosophy or mathematics (provided that the student has got 30 credits either in formal linguistics or programming),

or the equivalent after assessment is required.

English 6 or equivalent is also required.

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

Knowledge and understanding
- describe basic programming concept such as functions, types and control structures,
- describe how to solve simple problems by means of a programming language,
- know what plagiarism implies,
- have knowledge of GU rules about plagiarism,

Competence and skills
- use of department's language technology lab and its basic software,
- have basic proficiencies in programming,
- have the ability to independently solve simple language technology problems by means of a programming language,
- identify plagiarism,
- find information about plagiarism and GU rules about plagiarism,
- perform work according to a predetermined schedule,

Judgement and approach
- make an informed assessment of how a problem can be represented and solved by means of a programming language.

Course content
The course gives an introduction to programming suitable for students who are used to formal reasoning but have never programmed before. The course include an introduction to basic computer science concepts such as algorithms, data structures and programming paradigms.

Furthermore it introduces to programming and basic concepts, theories and technologies that are used in the Master's programme in Language technology.

Form of teaching
Teaching takes the form of lectures, seminars, laboratory work, and assignments. This course includes obligatory exercises.

Language of instruction: English

Assessment

The course is assessed by laboratory sessions, written and/or oral tests. Compulsory attendance may apply for some course components.

The grading teacher may request completion of examined student achievements.

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: Pass with Distinction (VG), Pass (G) and Fail (U).
For a passing grade on the course, a passing grade must be achieved on the exercises, final assignment, and written examination. For a pass-with-distinction grade on the course, a pass-with-distinction grade must be achieved on the final assignment and written examination.

Course evaluation

Students participating in, or having completed the course, are given the chance to anonymously submit their opinions and suggestions for the course in a course evaluation. A short version of the course evaluation, together with the reflections of the course coordinator, is published and made available to the students within a reasonable time once the course has finished. The next time the course will be given, a short version of the course evaluation will be presented together with any implemented measures.

Additional information

The course requires access to a computer (or similar) with internet access.