



DEPARTMENT OF PHILOSOPHY, LINGUISTICS AND THEORY OF SCIENCE

LOG230 Specialization in Logic 1, 7.5 credits

Specialisering i logik 1, 7,5 högskolepoäng

Second Cycle

Confirmation

This course syllabus was confirmed by Department of Philosophy, Linguistics and Theory of Science on 2016-05-27 to be valid from 2017-01-16, spring semester of 2017.

Field of education: Science 100%

Department: Department of Philosophy, Linguistics and Theory of Science

Position in the educational system

The course is included in the degree programme Logic, Master's programme, 120 credits (H2LOG), and can also be offered as a freestanding course or contract education.

The course can be part of the following programme: 1) Logic, Master's Programme (H2LOG)

Main field of studies

Logic

Specialization

A1F, Second cycle, has second-cycle course/s as entry requirements

Entry requirements

For admission to the course successful completion of at least 7.5 credits of Logical theory (LOG110) and of Set theory (LOG120), or equivalent skills and knowledge, is required.

Learning outcomes

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

Knowledge and understanding

- demonstrate in-depth knowledge and understanding within some of the subareas or applications of logic,
- relate the newly acquired specialist knowledge with the fundamental areas of logic,

Competence and skills

- formulate and present proofs of the most important results in the course as well as of lemmas that are used in proofs (upon theoretical specialisation)
- apply logical results and methods outside pure research (upon specialisation within an application area)

Judgement and approach

- critically discuss, analyse and evaluate results in the course as well as their applications,
- demonstrate the ability to work over disciplinary borders.

Course content

The student, in consultation with individual supervisors, chooses a field of specialisation within logic. It can be theoretically or more applied, research-preparatory or directed towards a non-academic working life, and should be in line with the student's background, planning for degree project, and career plans.

Students are coordinated as far as possible in working groups that jointly focus on an area.

For the individual student, the chosen course content should essentially differ from the corresponding content on LOG240, but may be allowed to be a broadening or specialisation in the same area.

Form of teaching

Teaching is given in the form of lectures, seminars, exercises, individual assignments and group assignments. Compulsory attendance can apply to certain course components, which is indicated in the course schedule.

Language of instruction: English

Assessment

The course is examined individually in written and/or oral form.

If a student, who has failed the same examination twice, wishes to change examiner for the next examination, a written application shall be sent to the department responsible for the course and it shall be granted unless there are special reasons to the contrary (Chapter 6, Section 22, Higher Education Ordinance).

In cases where a course has been discontinued or has undergone major changes, the student will normally be guaranteed at least three opportunities to take the examination (including the ordinary examination) during a period of at least one year, based on the earlier structure of the course.

Grades

The grading scale comprises: Pass with Distinction (VG), Pass (G) and Fail (U).

Course evaluation

Students who are currently taking the course or have completed it will be given the opportunity to express their views and share their experiences in an anonymous course evaluation. A compilation of the course evaluation and the course coordinator's reflections on it will be made available to the students within reasonable time after the end of the course. The next time the course is taught the compilation and any measures based on it will be presented to the students.