HTXN10, Programming for the Behavioural Sciences, 7.5 credits

Programmering för beteendevetenskap, 7,5 högskolepoäng
Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by the programmes director by delegation from the pro-dean for first- and second-cycle studies on 2013-11-19 to be valid from 2013-11-19, spring semester 2014.

General Information

Subject: Languages and Linguistics, Psychology, Cognitive Science

The course is offered as a freestanding course. It can normally be included in a first- or second cycle degree.

Language of instruction: English
The course is normally taught in English. It can be taught in Swedish if an agreement is reached by both the teacher and the students. Such an agreement would depend on both the lecturer and the students having a good knowledge of Swedish.

Main field of studies	Depth of study relative to the degree requirements
-	A1N, Second cycle, has only first-cycle course/s as entry requirements

Learning outcomes

On completion of the course the students shall

Knowledge and understanding
- be able to understand and account for the potential and limitations of a certain programming language
- be able to identify and describe how a programming language can be used to solve a specific problem in their own disciplines.

Competence and skills
- be able to use a programming language for collection of empirical data
- be able to use a programming language for processing and analysis of empirical data
- be able to create visualisations of data
- be able to adapt existing programs to their own requirements.

Judgement and approach
- be able to critically assess a programming language.

Course content

The course introduces programming tools that are used for collection and processing of behavioural data. The course includes components on writing programs for data collection, visualising, importing and exporting, and data analysis.

Course design

Teaching consists of seven lectures and seven application exercises.

Assessment

The assessment is based on the students' performance in the application exercises (approximately four) and presentation of a project at the end of course.

Subcourses that are part of this course can be found in an appendix at the end of this document.

Grades

Marking scale: Fail, Pass, Pass with distinction.

Entry requirements

To be admitted to the course, students must have 60 credits in Psychology, Cognitive Science, Linguistics, a language subject or the equivalent.

Further information

1. The course is offered at the Humanities Laboratory, Lund University
2. The course replaces HTXN02.
3. The credits allocated for course content that in whole or in part is commensurate with another course can only be credited once for a degree. For further details see the current registration information and other relevant documentation.

Subcourses in HTXN10, Programming for the Behavioural Sciences

Applies from V14

1301   Programming for the Behavioural Sciences, 7,5 hp
         Grading scale: Fail, Pass, Pass with distinction