# HTXN09, Linguistics and Cognitive Science: Eye tracking, 7.5 credits

*Språk- och kognitionsvetenskap: Metoder för ögonrörelsemätning, 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 2013-06-24 to be valid from 2013-06-24, autumn semester 2013.

## General Information

Subject: Psychology, Cognitive Science and Language and Linguistics

The course is offered as an elective component of Master's programmes in Psychology, Cognitive Science and Language and Linguistics. It can normally be included in a first- or second-cycle degree.

*Language of instruction:* English
The course is normally taught in English, but if both the students and the lecturer agree, it may be taught in Swedish. 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 account for the structure of the eye and sight
- be able to account for the fundamentals of visual awareness

- be able to account for the principles of modern eye-tracking devices
- be able to account for the basic soft- and hardware components used for eye tracking experiments
- be able to account for the use of eye tracking in several different disciplines.

### Competence and skills
- be able to design an eye tracking experiment within his or her discipline
- be able to set up an eye tracking experiment based on the experimental design
- be able to record high quality data on an eye tracking device that is suited to the purpose
- be able to prepare eye tracking data for statistical analysis
- be able to write an application for a research project based on eye tracking within his or her discipline.

### Judgement and approach
- be able to critically assess research based on eye tracking
- be able to critically assess advantages and shortcomings of soft- and hardware for an eye-tracking device.

## Course content

The aim of the course is to provide students with specialised knowledge of methods in research based on eye tracking. A number of application areas are included in the course. The focus is placed on the practical aspects of research based on eye tracking and on how to write an application for research funding.

## Course design

The teaching consists of lectures, compulsory seminars (approximately 10) and three compulsory practical exercises.

## Assessment

The assessment is based on continuous practical exercises throughout the course and a mock project application that is peer-reviewed at the end of the 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 one of the subjects Psychology, Cognitive Science or Linguistics, or the equivalent.

# Further information

1. The course is offered at the Humanities Laboratory, Lund University.
2. 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 HTXN09, Linguistics and Cognitive Science: Eye tracking

Applies from H13

1301   Eye Tracking, 7,5 hp
          Grading scale: Fail, Pass, Pass with distinction