FDT3301 Sonification 7.5 credits

Ljudsättning av data

This is a translation of the Swedish, legally binding, course syllabus.

If the course is discontinued, students may request to be examined during the following two academic years

Establishment

Course syllabus for FDT3301 valid from Spring 2012

Grading scale

Education cycle

Third cycle

Specific prerequisites

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

The goal of the course is

- to gain relevant knowledge of the state-of-the-art in the technology of sonification,
- to use the gained knowledge for identifying important issues in the design and evaluation of applications making use of sonification.

In particular the focus of the course is on the methods, parameter mapping, and technology used in sonification applications.

Course contents

The course main content will be decided by the student and the course contact person on a case-by-case basis.

Course literature

T. Hermann, J. Neuhoff, and A. Hunt, editors.The Sonification Handbook. Logos Verlag, Berlin, Germany, 2011.

Examination

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

Other requirements for final grade

The student must give a 2-hour public seminar, and hand in a written report.

The seminar should:

- focus on methods and technology for the design of information sonification
- give an overview of some of the practices in sonification today
- discuss advantages and examples of using data display with sound.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.