II1352 Computer Music 7.5 credits

Datormusik

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

Establishment

Course syllabus for II1352 valid from Spring 2009

Grading scale

P, F

Education cycle

First cycle

Main field of study

Information Technology, Technology

Specific prerequisites

Completed upper sceondary education incl documented proficiency in Swedish and English is required.

Language of instruction

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

Intended learning outcomes

The use of computers in music creating music is ubiquitous.
The course aims to deliver an introduction to computer music regarding history, acoustics, tools, composition and practical work.
The participants will be able to:
- use tools for music creation: audio synthesis, sampling, audio editing and mixing
- use knowledge of history and computer music composition techniques in music creation
- perform elemantary analysis of computer music works

Course contents

- history and analysis: electroacoustic and computer music
- music acoustics: digital audio, synthesis, sampling, filters, hearing, psycho-acoustics
- tools: audio editing, synthesis, sampling, mixing, composistion, concert direction
- guest lecturers: seminars with active composers

Disposition

Lectures will be given by lecturers working in their respective areas.
The course project will result in a work presented at an examination concert.
The course will be given at evenings at 1/4 pace.

Examination

- PRO1 - Project Work, 7.5 credits, grading scale: P, F

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.

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

Project work consisting of audio editing exercise and composition of an exam concert piece. Grades: P/F. The requirement for P is completed project work.

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.