



# DT212X Degree Project in Music Acoustics, Second Cycle 30.0 credits

Examensarbete inom musikakustik, avancerad nivå

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 DT212X valid from Autumn 2007

## Grading scale

A, B, C, D, E, FX, F

## Education cycle

Second cycle

## Main field of study

Electrical Engineering, Information and Communication Technology

## Specific prerequisites

The qualifications embarking on a thesis work in Music Acoustics are tried individually

## Language of instruction

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

## Intended learning outcomes

After fulfilling a master thesis in Music Acoustics the student should be able to:

1. determine prerequisites for and plan a larger project,
2. apply the relevant knowledge and skills, which are acquired within the technical area, to a given problem,
3. determine if the project is viable and collect the knowledge to run it,
4. pursue the project according to plan and continuously handle and document deviations from the plan in a professional way,
5. make oral and written presentations of the project in a form that meets established norms with regard to structure, language and content,
6. reflect on, evaluate, and critically assess one's own and others' scientific results,
7. show increased knowledge in a Music Acoustics problem area.

## Course contents

The master thesis work shall treat a problem in Music Acoustics of sufficient academic quality, which is of interest for the university, society or industry.

The thesis work shall include a specification and plan for the task and to research the literature that is relevant for the task. The thesis shall be reported both in a written report and also as an oral presentation. An opposition on another thesis must also be performed.

The thesis work is a personal endeavour. A large work can be performed by several persons, but in that case each thesis should be reported separately, and clearly show the areas of responsibility for each participant.

## Course literature

The literature is individual.

## Examination

- PRO1 - Project, 7.5 credits, grading scale: P, F
- PRO2 - Project, 15.0 credits, grading scale: P, F
- PRO3 - Project, 7.5 credits, grading scale: A, B, C, D, E, FX, 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.

## Other requirements for final grade

Project part 1 (PRO1; 7,5 university credits) (Goal 1, 2)

Project part 2 (PRO2; 15 university credits) (Goal 3)

Project part 3 (PRO3; 7,5 university credits) (Goal 4, 5, 6)

The title in Swedish and English will appear on the certificate.

## 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.