



Course syllabus

Faculty of Arts and Humanities

Department of Music and Art

1MU814 Akustik, 7,5 högskolepoäng

Acoustics, 7.5 credits

Main field of study

Music

Subject Group

Music

Level of classification

First Level

Progression

G1N

Date of Ratification

Approved by Faculty of Arts and Humanities 2018-06-26

The course syllabus is valid from spring semester 2020

Prerequisites

General entry requirements and passed result from a special admission's test to the Music Production Programme.

Objectives

After completing the course, the student should be able to:

- account for basic audio theory and acoustics,
- make acoustic measurements and interpret and explain their results,
- identify and discuss psychoacoustic phenomena,
- plan and design a critical listening environment from an acoustic perspective,
- discuss and evaluate their own and others work related to the content of the course.

Content

The course includes the following:

- listening ability and individual perception,
- room acoustics,
- psychoacoustics,
- reflection, absorption, diffusion and diffraction,
- theoretical and practical acoustic design of rooms for listening to and practising music.

Type of Instruction

Teaching is delivered in the form of lectures, seminars exercises individually and in

groups, and practical applications in the form of laboratory sessions.

Examination

The course is assessed with the grades Fail (U), Pass (G) or Pass with Distinction (VG).

The course is examined through written assignments and a design project in acoustics.

In order to receive the grade of Pass, the student must achieve the objectives. Grading criteria for the grade of Pass with Distinction will be specified when the course starts. For students who do not pass the first examinations, retake examinations are provided in accordance with local regulations at the university.

Course Evaluation

At the end of the course, a course evaluation is conducted. Results and analysis of the course evaluation are communicated to the students who have taken the course and the students who are taking the course when it is offered the next time. The evaluation is anonymous. The course evaluation is filed according to departmental regulations.

Required Reading and Additional Study Material

Required Reading

Everest, F Alton. *Master Handbook of acoustic*, McGraw Hill Education, the latest edition, 640 p.