



## Project module description

### General module information

Title: Foundations of Sound and Music Computing

Type: Project module

Language of instruction: English

Location of the lecture: Campus Copenhagen

ECTS points: 15 ECTS

Period: 1 September 2022 — 31 January 2023

### Placement

1st semester, M.Sc. in Sound and Music Computing

### Module coordinator

[Sofia Dahl](#) (coordinator), [Judi Stærk Poulsen](#) (secretary)

### Academic content and relationships to other modules/semesters

The formal study plan description of the module can be found here:

<https://moduler.aau.dk/course/2022-2023/MSNSMCM1201?lang=da-DK>

The goal of this project is to be introduced to the fundamental aspects of sound and music computing, as well as to understand the core elements in sound processing, either considering sound as input modality (machine listening, such as segmentation and feature extraction, modeling and prediction, coding and classification, etc.) or output modality (sonic interaction design, new interfaces for musical expression).

### Objectives and learning goals

The learning goal of this semester project is to synthesize the knowledge acquired in the semester modules into the design of an application that uses sound as input or output modality.

It is also important to be able to synthesize and discuss research knowledge in the area of sound and music computing.

### Extent and expected work load

The module consists of 15 ECTS problem-based project work in groups with at least one supervisor.

### Pre-requisites for participation

The prerequisites for participation are listed in the module description (see link above).

### Examination

The module is examined through a standard group-based project exam. See the module description (see link above) for any further detail on requirements, examination and assessment.

It is a prerequisite for being allowed to take part in the project examination that the project documentation is handed in on time ([see exam rules](#)). This entails a scientific paper written in English and a media-technological product, an AVproduction illustrating and summarizing the project, and edited worksheets/portfolio documenting project details