MCT4000 – Introduction to Music, Communication and Technology (15 credits)

Examination arrangement

Examination arrangement: Portfolio assessment

Grade: Letters

Course content

The aim of the course is to provide a broad introduction to the core topics of the Music, Communication and Technology master programme: acoustics, music cognition, machine learning and human-computer interaction. We will also establish a baseline of common knowledge and practical skills to work from in the rest of the programme. In addition to the programme specific topics, this course will also prepare you for collaborative work, ethical/aesthetical reflection and critical thinking.

Learning outcome

Knowledge:

Having completed the course the student will: After completing the course the candidate:

- can explain central topics in acoustics, music cognition, machine learning and human-computer interaction
- has knowledge of relevant human and technological factors in audiovisual communication
- has knowledge of strategies for blended learning, team-work, development processes, project management, collaboration and group psychology
- has knowledge of relevant ethical and aesthetic issues and can apply these in critical reflection of one’s own work or the work of others

Skills:

- masters audio/video recording and editing
- can apply the basic principles of digital signal processing with a particular focus on audio communication and applications for music

Learning methods and activities

The course is taught using a flipped-classroom model:

- intensive workshop in the beginning of the semester
- a set of video lectures, reading assignments and online qualification tests
- practical exercises both individual and in groups
- weekly seminars during which core research questions are presented, discussed and critically reflected upon

Compulsory assignments

A number of compulsory assignments that will make up the course portfolio

Required previous knowledge

Admission to the Music, Communication and Technology master’s programme.