

Course

TST - Audio Engineering

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^ General information

Long name	Audio Engineering
Approving CModule	<u>TST_BaMT</u>
Responsible	Prof. Dr.-Ing. Ulrich Reiter Professor Fakultät IME
Level	Bachelor
Semester in the year	summer semester
Duration	Semester
Hours in self-study	60
ECTS	5
Professors	Prof. Dr.-Ing. Ulrich Reiter Professor Fakultät IME
Requirements	- knowledge of the human hearing - basic mathematical skills, eg logarithmic representation of quantities
Language	German, English if necessary
Separate final exam	Yes

Final exam

Details

The exam consists of a technical discussion regarding topics dealt with in the lectures and practical lessons. Students will be confronted with typical recording and studio situations that require a solution for which knowledge and competences as described in Learning Outcomes LO1 and LO2 will be required.

Minimum standard

- students demonstrate an overview over workflows, methods and equipment as used in audio engineering and are able to describe them using the correct technical terms

Exam Type

The exam consists of a technical discussion regarding topics dealt with in the lectures and practical lessons. Students will be confronted with typical recording and studio situations that require a solution for which knowledge and competences as described in Learning Outcomes LO1 and LO2 will be required.

^ Lecture

Learning goals

Knowledge

- sound propagation / room acoustics
- signals and levels
- microphone technology
- studio equipment
- digital audio technology
- effects

Expenditure classroom teaching

Type	Attendance (h/Wk.)
Lecture	3
Tutorial (voluntary)	0

Separate exam

none

^ Practical training

Learning goals

Knowledge

- knowledge of typical workflows and organizational structures of audio recordings
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Skills

- competent use of digital audio workstations (DAWs)
- competent use of audio mixing desks
- competent use and choice of suitable microphones for specific recording situations

Expenditure classroom teaching

Type	Attendance (h/Wk.)
Practical training	2
Tutorial (voluntary)	0

Separate exam

Exam Type

working on projects assignment with your team e.g. in a lab)

Details

- online questionnaire before the lab exercise
- written protocol for every lab exercise
- presentation of sound recording project in front of fellow students at the end of the term

Minimum standard

- students achieve at least 50% correct answers in online questionnaire before lab exercise
- students turn in comprehensible written protocols
- students successfully participate in at least 5 of 6 lab exercises