

Sound Studies and Sonic Arts

Winter Term 2022/23

Basic Phase

Basics Modules: Classes and Exams

Module 01: Basic Theory

Classes offered

- Theory Lecture Sanio
- Theory Seminar 1 Klein
- Theory Seminar 2 Thoben

Exam

- A research paper on a subject related to Seminar 1 or 2.
- Choose and suggest a subject on your own and submit it to the instructor for approval.
- Paper is due **March 10, 2023**. Send to the instructor directly.
- 8 to 12 pages (3,000 to 5,000 words), including footnotes. Word count does not include the title page, table of content, figures, and bibliography.

Module 02: Basic Practice

Classes offered

- Practice Seminar Ishida
- Practice Seminar Ekomane

Exam

- Present your piece (free format, e.g. installation, performance, mixed-media, audio) at UdK SoundS between **March 28 and 31**.
- You will be assigned one hour of set-up time, followed by a 30-minute presentation / oral exam, followed by 30 minutes to clear the room. Make a written description/statement (max half a A4), a technical rider and a budget breakdown, available to the instructor of your choice by March 24.

Module 03: Basic Listening

Classes offered

- Listening Lecture Schröder
- Listening Seminar Kahl 1/2

Exam

Three-hour written exam on **Feb. 16, 2022** in LIE45 R.314.

Sound Studies and Sonic Arts

No notes allowed, no phones allowed (bring a different timekeeper), use ball-pen or ink, no pencil. Pocket calculator allowed.

The Exam will evaluate the knowledge in the following areas:

A) Technical ear training and audio processing:

- level/ loudness differences
- boosted/ filtered frequencies
- localisation differences and techniques in stereo
- nonlinear distortion artifacts
- comb-filters and delays

B) Auditory perception:

- theories of listening
- psychoacoustics
- auditory and audiovisual perception
- attention in music and other arts
- musical analysis

Module 04: Basic Audio Technology

Classes offered

- Audio Technology Lecture Troyer
- Audio Technology Seminar Grundmann

Exam

Three-hour written exam on **Feb. 08, 2022** in LIE45 R.314.

Use ball-pen or ink, no pencil.

The Exam will evaluate the knowledge in the following areas:

- Fundamentals of sound and musical acoustics
- Fundamentals of digital audio
- Basic of interaction
- Basics of recording techniques and technologies (microphones, loudspeakers, signal)
- flow, mixing consoles, audio editing techniques)
- Basics of sound synthesis
- Basics of audio effects