

Sound Studies and Sonic Arts

Winter Term 2022/23

Phase Basic

Module Listening

Course Title Listening Seminar | Seminar

Course Times and Location Thursdays | 10:15-11:45 am | LIE 314

Instructors [Valentin Kahl](#)

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Office Hours and Location upon request

Course Description

This course is about listening to audio material with a focus on its technical parameters and sound. Furthermore, we will discuss techniques to alter those aspects using different audio signal processors and train identifying their behavior by ear.

Each lesson consists of two parts:

1. Practical training, different listening exercises and experiments
2. Theory/ lectures (containing audio examples) about the effects, techniques and phenomena that those exercises and experiments are based on.

After finishing this class, you will...

- be able to describe technical/ tonal aspects of audio material confidently
- know how they can be altered using common tools and techniques
- be able to identify those tools by ear and predict how they affect audio signals using different settings

Schedule

27 Oct	Introduction: Evaluating sound (strategies and pitfalls) + theoretical basics about sound & signals
3/10/17 Nov	Levels, Loudness, (Localization)
24 Nov/ 1/8 Dec	Frequencies, EQs, Phase
15 Dec	Delays, Comb filters
5/12/19 Jan	Nonlinear distortion, harmonics, (dynamics processors)
26 Jan/ 2 Feb	Microphones (classification, sound, functionality, quirks)
9 Feb	Recap, Practice, Examples (preparation for the exam)
16 Feb	Written exam

Exam

See exam schedule.

Online Repository

I will gradually upload material to this location throughout the semester:

<https://cloud.udk-berlin.de/s/AZNzCQtGfCWqwRE>