

Sound Studies and Sonic Arts

Winter Term 2022/23

Phase Basic

Module Listening

Course Title Introduction to Auditory Perception and Listening Experience

Course Times and Location Tuesdays | 10:15-11:45 am | present (LIE 314)

Instructors [Dr. Julia H. Schröder](#)

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Office Hours and Location Upon request by email

Course Description

This course is a hybrid: The lecture part of this class is an introduction to auditory perception including references to musical application. In the listening part of this class, we will listen to selected compositions.

The course is open to everybody and will introduce you to key concepts of auditory perception as well as compositions and other works which refer to the discussed topics.

Schedule

1 - 1 Nov	Listening in Theory: Concepts and models of auditory perception
2 - 8 Nov	Psychoacoustics 1: auditory illusions (Risset)
3 - 15 Nov	Listening Session: Haas, <i>In vain</i>
4 - 22 Nov	Psychoacoustics 2: Just-Noticeable Difference/threshold (Ligeti, Tenney, Hirs)
5 – 29 Nov	Psychoacoustics 3: inherent patterns, phase shifting (Reich)
6 – 6 Dec	Psychoacoustics 4: Gestalt Theory, Auditory Scene Analysis
7 – 13 Dec	Soundscape Analysis: Sound walks and listening walks (Westerkamp) Winter Break
8 – 3 Jan	Audiovisual Perception: Ventriloquist effect, McGurk effect
9 – 10 Jan	Attention/Background Music (Eno)
10 – 17 Jan	The listening body: otoacoustic emissions (Amacher), bone conduction (Leitner)
11 – 24 Jan	Spatial hearing
12 – 31 Jan	Timbre (R. Saunders, Grisey) & Recapitulation
13 – 7 Feb	Emotions/effects – expressed and perceived
14 - 16 Feb	Final Exam – mandatory

Exam

At the end there will be a mandatory exam. It will cover topics dealt with in the course. You have to pass the exam to get credit and – for SoundS students to continue your studies. The exam results in the Listening Module by Kahl and Schröder will be added for your final grade in the Listening Module.