

## 课程详述

### COURSE SPECIFICATION

以下课程信息可能根据实际授课需要或在课程检讨之后产生变动。如对课程有任何疑问，请联系授课教师。

The course information as follows may be subject to change, either during the session because of unforeseen circumstances, or following review of the course at the end of the session. Queries about the course should be directed to the course instructor.

1.	<b>课程名称 Course Title</b>	声音：技术与文化 Sound Studies: Technology and Culture
2.	<b>授课院系 Originating Department</b>	社会科学中心 Center for Social Sciences
3.	<b>课程编号 Course Code</b>	SS103
4.	<b>课程学分 Credit Value</b>	2
5.	<b>课程类别 Course Type</b>	通识选修课程 General Education (GE) Elective Courses
6.	<b>授课学期 Semester</b>	春季 Spring
7.	<b>授课语言 Teaching Language</b>	中英双语 English&Chinese
8.	<b>授课教师、所属学系、联系方式 (如属团队授课, 请列明其他授课教师) Instructor(s), Affiliation &amp; Contact (For team teaching, please list all instructors)</b>	徐秋石 XU Qiushi 南方科技大学人文社会科学荣誉学会 Society of Fellows in the Liberal Arts, SUSTech e-mail: <a href="mailto:qiushi.xu@hotmail.com">qiushi.xu@hotmail.com</a>
9.	<b>实验员/助教、所属学系、联系方式 Tutor/TA(s), Contact</b>	无 NA
10.	<b>选课人数限额(可不填) Maximum Enrolment (Optional)</b>	

11. 授课方式 Delivery Method	讲授 Lectures	习题/辅导/讨论 Tutorials	实验/实习 Lab/Practical	其它(请具体注明) Other (Please specify)	总学时 Total
学时数 Credit Hours	32				32
12. 先修课程、其它学习要求 Pre-requisites or Other Academic Requirements	无 NA				
13. 后续课程、其它学习规划 Courses for which this course is a pre-requisite	无 NA				
14. 其它要求修读本课程的学系 Cross-listing Dept.	无 NA				

### 教学大纲及教学日历 SYLLABUS

#### 15. 教学目标 Course Objectives

本课程旨在让学生了解国际学界新兴并迅速发展壮大的跨学科前沿领域“声音研究（Sound Studies）”。声音研究在过去二十年间兴起，作为对学术界长期以来的视觉中心主义的认知和突破——如果我们关注社会和文化中的声音以及听觉经验，会得到什么？声音研究从听觉范式这一全新维度重新感知世界，重新思考社会、文化和我们生活于其中的物质世界。本课程通过声音、音乐、噪音和静默的基本理念、前沿研究和具体实践，培养学生对听觉感官的认知以及对声音维度的重视；并且通过与声音相关的重要社会文化议题，使学生从声音的视角重新理解科学、技术、艺术、文化和社会的交织与互构。

This course aims to enable students to understand the new and fast developing field of Sound Studies. This interdisciplinary field has emerged in the last twenty years in response to the recognition that all too often the academy has been dominated by just one sense – sight. What happens if we pay more attention to sound and auditory experiences in society and culture? Sound Studies perceive the world from a new dimension of sound, and rethink society, culture and the material world that we live in. This course includes the interpretation of basic concepts of sound, music, noise and silence, the introduction of frontier researches and the practice of sound art. It cultivates students' awareness and cognition of auditory sense and sonic dimension. In addition, through the important social and cultural issues related to sound, students will re-examine the interweaving and co-construction between science, technology, art, culture and society from the perspective of sound.

#### 16. 预达学习成果 Learning Outcomes

本课程预期让学生掌握的思维、知识、技能和方法如下：  
 1、对声音研究这一国际学界新兴并飞速发展的跨学科领域有一般性的了解；  
 2、掌握声音研究的核心理念、思维方式和研究方法；  
 3、了解与声音相关的重要社会、文化和艺术议题，并形成批判性理解；  
 4、能够以多元感官维度认知世界，具备跨学科思维；  
 5、理解听声音的重要性，并能够运用多媒体手段创作个人的声音作品。

Upon successful completion, students will be able to:

1. To have a general understanding of Sound Studies, an emerging and rapidly developing interdisciplinary field in the international academic world;
2. To master the central concepts, the way of thinking, and research methods of Sound Studies;
3. To understand and then develop a critical understanding of important social, cultural and artistic issues related to sound;
4. To be able to perceive the world from multiple sensory dimensions and have the ability of interdisciplinary thinking;
5. To understand the importance of listening and be able to use multimedia technology to create sound works.

#### 17. 课程内容及教学日历（如授课语言以英文为主，则课程内容介绍可以用英文；如团队教学或模块教学，教学日历须注明主讲人）

**Course Contents (in Parts/Chapters/Sections/Weeks. Please notify name of instructor for course section(s), if this is a team teaching or module course.)**

本课程计划16周完成，每周2学时

### 第一周 导论

什么是国际学界新兴且迅速发展的跨学科领域——声音研究？  
历史中的声音  
探讨学习本课程的价值、意义和目标  
课程作业与期末论文的要求

### 第二周 声景

对于视觉中心主义的认知和反思  
声音景观的概念及发展  
对于声音景观的批判与反思

### 第三周 听与听觉文化

声音哲学，主要关注声音现象学  
听与听觉维度  
声音技巧  
听觉文化与听觉体验

### 第四周 静默

作为一种声音的无声  
音乐中的静默  
电影中的静默

### 第五周 噪音

噪音与工业文化  
机械声音、响度与城市  
不想要的声音  
噪音音乐

### 第六周 乐器研究一：钢琴

钢琴是什么？它的物质性特征是什么？  
了解古钢琴、古钢琴的转译，以及古钢琴的表演实践运动  
从STS（科学与技术元勘）的视角重新审视作为一种传统乐器的钢琴，并探索钢琴作为一种实验乐器的可能性

### 第七周 乐器研究二：电子音乐合成器

从传统乐器过渡到电子乐器，认知电子乐器和电子音乐  
慕格（Moog）电子音乐合成器的技术社会史  
从STS（科学与技术元勘）的视角重新理解电子音乐合成器

### 第八周 实验音乐一：现代与后现代的实验

声音建筑与空间  
声音的操纵、形成与再合成  
声音的物质性与媒介  
声音艺术、现代性与后现代性

### 第九周 实验音乐二：实验音乐的本土实践

实验音乐在中国  
中式传统思想在实验音乐中的运用

### 第十周 录音室与声音技术

录音室的技术与艺术  
前期拾音技术和后期声音制作技术  
未被认知的技术使用者和声音艺术家——声音工程师  
声音的还原、复制与再造  
默会知识与录音室语言

### 第十一周 声音与媒介

留声机与保真度  
广播与声音想象

新媒体与声音消费

**第十二周 声音、医学与身体**

中医闻诊与西医听诊  
身体对声音的感知与音乐疗法

**第十三周 声音与宗教**

宗教仪式和宗教想象中的音乐、声音、噪音与静默  
宗教仪式中的乐器以及宗教器物的声音  
宗教声音景观、公共空间与城市区域

**第十四周 声音与科学**

从科学仪器到音乐仪器  
聆听科学实验室  
听鸟——鸟类学田野录音实践  
聆听自然——生物学研究与科学田野录音

**第十五周 声音与性别**

声音有性别吗？  
性别、种族等身份类别是如何影响个体的音乐体验的？音乐又是如何形塑个体的身份认同？  
声音和声音技术是如何与权力、娱乐、暴力和欲望相互关联的？

**第十六周 总结与讨论：用声音思考**

个人声音作品展示  
课程总结与延伸

**Week 1 Introduction**

What is the rapidly emerging interdisciplinary area Sound Studies?  
Sound in history  
Values and objectives of the course  
Requirements of the course

**Week 2 Soundscapes**

The awareness and criticism of this visual world  
The idea of soundscape and its development  
The criticism of soundscape

**Week 3 Listening and Auditory Culture**

Philosophy of sound, mainly focusing on phenomenology of sound  
Listening and the auditory dimension  
Sonic skills  
Auditory culture and auditory experiences

**Week 4 Silence**

Silence as a kind of sound  
Silence in music  
Silence in film

**Week 5 Noise**

Noise and industrial culture  
Mechanical sound, loudness and city  
Unwanted sound  
Noise music

**Week 6 Musical Instrument Studies I – The Piano**

What is piano? What is the materiality of piano?  
Fortepiano, the translation of fortepiano, and the performance practice of fortepiano  
From the perspective of STS (Science and Technology Studies) to re-examine the piano as a traditional musical instrument and to explore the piano as an experimental instrument.

**Week 7 Musical Instrument Studies II – The Synthesizer**

From traditional musical instrument to electronic musical instrument, understanding electronic musical instrument and electronic music  
The technological and social history of the Moog synthesizer

From the perspective of STS (Science and Technology Studies) to rethink the synthesizer

**Week 8 Experimental Music I - The Experiments of the Modern and Post-Modern**

Sound sculpture and space  
Sound manipulation, formation and resynthesis  
The materiality of sound and medium  
Sound art, modernity and post-modernity

**Week 9 Experimental Music II – The Local Practice of Experimental Music**

Experimental music in China  
The application of traditional Chinese thought in experimental music

**Week 10 The Recording Studio and Sound Technology**

The art and technology of recording studio  
The technology of recording and the technology of sound production  
The unrecognized technology user and sound artist – sound engineer  
The reproduction and reconstruction of sound  
Tacit knowledge and studio language

**Week 11 Sound and Media**

The phonography and fidelity  
Radio and sonic imaginaries  
New media and consuming sound

**Week 12 Sound, Body and Medicine**

Wenzhen in traditional Chinese medicine and auscultation in Western medicine  
Body's perception of sound and music therapy

**Week 13 Sound and Religion**

Music, sound, noise and silence in religious ritual and religious imagination  
Musical instruments in religious ritual and the sound of religious instruments  
Religious soundscape, sites and places

**Week 14 Sound and Science**

From scientific instruments to musical instruments  
Listening to laboratory practice  
Listening to birds – the field recording of ornithology  
Listening to nature – the research of biology and scientific field recording

**Week 15 Sound and Gender**

Does sound have gender?  
How do identity categories like gender and race form our experiences of music, and how does music shape our experiences of identity?  
How do sound and sound technology relate to the operations of power, pleasure, violence, and desire?

**Week 16 Conclusion and Discussion: Thinking with Sound**

Individual's sound project presentation  
Summary and extension

**18. 教材及其它参考资料 Textbook and Supplementary Readings**

授课教师将根据每节课的主题提供有针对性的阅读和参考资料。

**课程评估 ASSESSMENT**

19. 评估形式 Type of Assessment	评估时间 Time	占考试总成绩百分比 % of final score	违纪处罚 Penalty	备注 Notes
出勤 Attendance		10%		无故缺席 5 次及以上为不通过 Students with unexcused absence of more than 5 times fail.
课堂表现 Class		20%		考察学生是否认真听课及参与课堂讨论的积极性和表现

<b>Performance</b>				Participation in discussion and in-class exercises
小测验 Quiz				
课程项目 Projects				
平时作业 Assignments		30%		个人创作的声音作品及创作说明 Each student will use multimedia technology to create their own sound work.
期中考试 Mid-Term Test				
期末考试 Final Exam				
期末报告 Final Presentation		40%		按授课教师要求在一定范围内自选题目撰写学期论文 Students are expected to write a paper focusing on a specific topic.
其它(可根据需要改写以上评估方式) Others (The above may be modified as necessary)				

20. 记分方式 GRADING SYSTEM

- A. 十三级等级制 Letter Grading  
 B. 二级记分制 (通过/不通过) Pass/Fail Grading

课程审批 REVIEW AND APPROVAL

21. 本课程设置已经过以下责任人/委员会审议通过  
This Course has been approved by the following person or committee of authority

