

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. 课程名称 Course Title	言语产生的解剖生理机制与言语障碍 Anatomy and Physiology of Speech Mechanism and Communication Disorder
2. 授课院系 Originating Department	人文科学中心 Center for the Humanities
3. 课程编号 Course Code	HUM039
4. 课程学分 Credit Value	2 学分 2 Credits
5. 课程类别 Course Type	通识选修课程 General Education (GE) Elective Courses
6. 授课学期 Semester	2019-2020 年秋季 2019-2020 Fall
7. 授课语言 Teaching Language	中文 Chinese
8. 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 & Contact (For team teaching, please list all instructors)	陈忠敏教授, 复旦大学中文系 CHEN, Zhongmin, Professor, Dept. of Chinese, Fudan University E-mail: zhongminchen@fudan.edu.cn Cell Phone: 18964952456
9. 实验员/助教、所属学系、联系方式 Tutor/TA(s), Contact	无 NA
10. 选课人数限额(可不填) Maximum Enrolment (Optional)	

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	实验语音学 Experimental Phonetics				
13. 后续课程、其它学习规划 Courses for which this course is a pre-requisite	无				
14. 其它要求修读本课程的学系 Cross-listing Dept.	无				

教学大纲及教学日历 SYLLABUS

15. 教学目标 Course Objectives

“言语发声的解剖生理机制和言语障碍”是语音科学、言语交际障碍，言语治疗、言语听力学的基础课程。教学内容涉及言语发声的解剖生理及功能机制、言语听力病理学的检测手段，以及有关语言产生、感知和语言障碍的基本分析方法和理论。与之相关的其他内容还包括病理语言学在医院及诊所里的应用、发音合成技术以及语言发音与感知的关系等。

This course provides an introduction to a range of topics in speech and hearing science of interest to students in linguistic phonetics, speech sciences and communication disorders (such as speech pathology and audiology). The course will introduce basic speech anatomy, physiology and function, current methods and measurement tools, and “hot” theoretical issues in speech production, perception, and communication disorders relating to language cognition. Side topics may include: field and clinical applications, articulatory speech synthesis, and the interaction of articulation with perception.

16. 预达学习成果 Learning Outcomes

学生通过学习能掌握言语发声和感知的基本解剖机制、熟悉言语听力科学常用的检测手段和工具，为以后进一步从事相关的语言病理学、神经语言学研究打下坚实的基础。

Students can master the basic anatomical mechanism of speech production and perception, and become familiar with the common methods and tools used in speech and hearing sciences, after their study. This will lay a solid foundation for the further study of speech pathology and neurolinguistics.

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.)

双周上课，每次上 4 课时，共 8 次课。课程内容如下：

Lesson	Topic	Readings; Assignments	Hour
1	Bureaucratic preliminaries;课程介绍 Topic 1 Brain science and language cognition 1. 第一讲：脑科学与语言认知 a. The nervous system I 神经系统 I	Borden SecI Cha 1, Sec III Cha 3	2
	b. The nervous system II 神经系统 II c. The human brain 人脑结构	Borden SecI Cha 1, Sec III Cha 3, 王(第一\二讲)	2
2	d. Linguistic theory and aphasia I 语言理论与失语症 I	Borden SecI Cha 1, Sec III Cha 3, 王(第一\二\四讲)	2
	e. Linguistic theory and aphasia II 语言感知理论与失语症 II	Borden SecI Cha 1, Sec III Cha 3, 王(第一\二\四讲) HW1	2
3	f. Students' presentation I 学生阅读报告 I	TBA	2
	Topic 2 Anatomical and physiological systems of speech production 第二讲：语言产生的解剖生理结构 a. Subglottal system: respiration 喉下系统：呼吸	Borden Sec III Cha 3, Lieberman Cha 2,6	2
4	b. Laryngeal system: phonation 喉系统：发声态及类型	Borden Sec III Cha 4, Lieberman Cha 2,6	2
	c. Supraglottal system: articulation and resonance I 喉上系统：构音构音与共鸣 I	Borden Sec III Cha 5,6 Lieberman Cha 2,6	2
5	d. Supraglottal system: articulation and resonance II 喉上系统：构音与共鸣 II	Borden Sec III Cha 5,6 Lieberman Cha 2,6	2
	e. Investigating tools for articulation 构音、共鸣病理诊断的方法与工具	Borden Sec V Cha 13,14,	2
6	f. Students' presentation II 学生阅读报告 II	TBA, HW2	2
	Topic 3 Hearing science and linguistic perception 第三讲 听觉科学与语言感知 a. Anatomy of the peripheral auditory system 听觉器官的解剖与听觉神经系统	Borden Sec IV Cha 9	2
7	b. The characteristics of speech perception I 语言感知的特点 I	Borden Sec IV Cha 9,10	2
	c. The characteristics of speech perception II 语言感知的特点 II	Borden Sec IV Cha 9,10,11	2
8	d. Hearing disorder and Cochlear implant 听觉障碍与人工耳蜗	TBA	2

	e. Students' presentation III 学生阅读报告 III	HW3	2
--	--	-----	---

期末考核内容:

期末考核内容构成: 三次作业 (每个 20 分), 两次学生报告 (每次 15 分), 出席率 10 分, 满分是 100。

评分标准:

评分等级	具体标准
通过 (≥ 60)	≥ 60 通过, 只有通过/不通过两种状态。
不通过 (< 60)	< 60 不通过, 只有通过/不通过两种状态。

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

Textbook:

Borden G. J., Harris K. S & Raphael L. J. 2011. Speech Science Primer: Physiology, Acoustics, and Perception of Speech (6th ed.) Lippincott Williams & Wilkins.

Supplementary Readings:

- Lieberman, Philip & Sheila E. Blumstein. 1993. Speech physiology, speech perception, and acoustic phonetics. Cambridge University Press.
- Peter B. Denes and Elliot N. Pinson 1993. The Speech Chain: The Physics and Biology of Spoken Language
- Zemlin, Willard R. 1998. Speech and Hearing Science—Anatomy and Physiology. (4th ed.) Allyn and Bacon
- Moore, B. C. 2004. An introduction to the psychology of hearing. Fifth Edition Elsevier Academic Press.
- Baken R. J. and Robert F. Orlikoff 2000. Clinical Measurement of Speech and Voice (2nd ed) Singular Thomson Learning.
- 王士元 2011. 《语言、演化与大脑》商务印书馆
- 柏树令主编 2010 《系统解剖学》第二版, 人民卫生出版社

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		
课堂表现 Class Performance				
小测验 Quiz				
课程项目 Projects				
平时作业 Assignments		60		共 3 次作业。
期中考试 Mid-Term Test				
期末考试 Final Exam				
期末报告				

Final Presentation
其它（可根据需要
改写以上评估方
式）
**Others (The
above may be
modified as
necessary)**

	30		共 2 次学生报告。

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

同意开设。

人文中心教学负责人：

