听力科学课程教学大纲

<table>
<tr><td colspan="6">课程基本信息（Course Information）</td></tr>
<tr><td>课程代码
（Course Code）</td><td>EM017</td><td>*学时
（Credit Hours）</td><td>32</td><td>*学分
（Credits）</td><td>2</td></tr>
<tr><td rowspan="2">*课程名称
（Course Name）</td><td colspan="5">听力科学</td></tr>
<tr><td colspan="5">Hearing Science</td></tr>
<tr><td>课程性质
(Course Type)</td><td colspan="5">选修课</td></tr>
<tr><td>授课对象
（Audience）</td><td colspan="5">本科生</td></tr>
<tr><td>授课语言
(Language of Instruction)</td><td colspan="5">英语</td></tr>
<tr><td>*开课院系
（School）</td><td colspan="5">外国语学院 / University of Texas at Austin</td></tr>
<tr><td>先修课程
（Prerequisite）</td><td colspan="5">无</td></tr>
<tr><td>授课教师
（Instructor）</td><td colspan="2">LIU, Chang （刘畅）</td><td>课程网址
(Course Webpage)</td><td colspan="2"></td></tr>
<tr><td>*课程简介（Description）</td><td colspan="5">本课程为听力科学的基础课程，主要注重于两个听力科学的方向：（1）声音的物理属性（即声学，含语音声学）；（2）听觉的生理和心理学。适合于各个年级的本科生，作为听力科学的基础课程，另外也适用于心理学，语言学等专业的研究生。
此课程的主要内容是教授听力科学的基础知识和应用的基本技能: (1). 声音的知识(比如声音的产生和传导，声音的物理特性，尤其是不同语言的语音特性如美国英语和汉语，声音的声学分析等等)；(2). 声音在人类的听觉系统中的传导（比如听觉系统的组成，以及声音是如何从外耳，中耳，内耳到大脑进行传导和加工的）。(3). 非语音和语音的听觉感知（比如声音的各种物理特性是如何感知的，文化和语言背景对于语音感知的影响，以及双语和第二语言语音的感知）。根据这门课的全球课堂教学的特点，本课程的内容会着重于语言，文化背景对于语音的产生，语音声学，以及听觉感知的影响，在教学形式上会侧重于上海交大学生和美国德克萨斯大学（UT Austin）学生之间通过各种方式的相互交流和协作（比如课堂讨论和课外项目）。</td></tr>
<tr><td>*课程简介（Description）</td><td colspan="5">This is a basic course for hearing science. This course will explore two primary topics related to the hearing process: (1) the physics of sound including speech acoust (2) physiology and psychology of hearing. This course is for undergraduate students, a also
for graduate students in psychology, linguistics and other related fields.
The goals of this course are to provide basic knowledge on (1). sounds (e.g., sou generation</td></tr>
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	and UT students. A 3-page report is required for each project. The goals of the projects are to 1. Solidify the knowledge learnt in class lectures; 2. Provide the opportunities the SJTU students and UT students to interact with each other. Details for the project will be released at the beginning of the semester. Quizzes and Exams: There will be no make-up quiz or exam and they may not be taken at an alternative time unless there is some documented excuse. An example of a documented, excused absence is a note from a doctor that states you are physically UNABLE to attend the final. Simply not feeling your best is NOT considered to be an excused absence, as we all have days in which we are not feeling well but must take c of our responsibilities anyway. If you are up and walking around campus on the day of quiz or or exam, you must take it. Another example of a documented excused absence is family emergency for which you need to contact Dean's office for details. Again, no make-up quizzes or exams are allowed without the documented excuse. NO EXCEPTIONS. Each quiz/exam will cover the contents from the last quiz/assignment/ exam. Academic Honesty: A standard of honesty, fairly applied to all students, is essential to a learning environment. Students abridging a standard of honesty must accept consequences; penalties are assessed by appropriate classroom instructors or other designated people. Serious cases may result in discipline at the college or University level and may result in suspension or dismissal. Dismissal from a college for academic dishonesty, constitutes dismissal from the University.

备注说明：

1. 带*内容为必填项。
2. 课程简介字数为 300-500