

All assignments are to be done **independently**, not in teams, not with partners, not in collaboration. Copying *or* collaborating on homework assignments (or exams) will be considered a violation of Academic Integrity and will be reported to the Office of Student Judicial Affairs and Community Standards and cause sanctions (SCampus Appendix A) to be imposed.

Go to => Detailed Course Schedule with Readings and Assignments by Week

Topic

Outline

Week 1 (Jan 14,16)	Introduction and Course Overview The Speech Chain; Vocal Tract Anatomy English Sounds
Week 2	Transcription Speech Acoustics: Waveforms
Week 3	Speech Acoustics: Source Filter Theory Formants and Vowels
Week 4	Spectrograms; Sounds of the World's Languages: Consonants Sounds of the World's Languages: Airstream Mechanism
Week 5	Sounds of the World's Languages: Phonation Type & Tone Dialects of English
Week 6	Test 1 (material weeks 1-5) Qualities of the Speech Signal: Lack of Invariance & Lack of Segmentability
Week 7	Sine Wave Speech, McGurk Effect, and Word Segmentation Speech Perception: Categorical Perception
Week 8	Speech Perception (cont.): Categorical Perception and Infant Language Acquisition Duplex Perception and Theories of Speech Perception
Week 9	<i>Guest Lecture:</i> Babbling & Early Speech Test 2 (material weeks 6-9)
Week 10	Phonology Speech Errors
Week 11	Bilingualism Cont. and ASL Hearing & Deafness Hearing Aids and Cochlear Implants

Week 12	Hearing Loss, Speech and Voice Disorders Cont.
Week 13	Research Synopsis Oral Presentations (attendance required)
Week 14	Speech Technologies: Speech Synthesis Speech Technologies: Speech Recognition; Class Conclusion
Week 15	Test 3 (material weeks 10-15)
Final Exam Slot	

Communication and Policy Information

In addition to the utility of Blackboard, it would be useful if we can communicate with each other **using email**. In this way, you can be advised of changes, and I can be advised of any problems that you encounter. Please know that for this class *I will expect you to check your email*. In case you are unfamiliar with email, communications should be respectful and grammatical.

Statement on Academic Conduct—"Plagiarism – presenting someone else’s ideas as your own, either verbatim or recast in your own words – is a serious academic offense with serious consequences. Please familiarize yourself with the discussion of plagiarism in *SCampus* in Part B, Section 11, “Behavior Violating University Standards” policy.usc.edu/scampus-part-b. Other forms of academic dishonesty are equally unacceptable. See additional information in *SCampus* and university policies on scientific misconduct, <http://policy.usc.edu/scientific-misconduct>."

I expect that all students will uphold the **USC Student Conduct Code**. Because violations of the code harm every other student in the class, the instructor will aggressively prosecute any student who cheats on an exam or homework or who allows others to cheat on an exam or homework.

Please also note: SCampus under Academic Policies: “Notes or recordings made by students based on a university class or lecture may only be made for purposes of individual or group study, or for other usual non-commercial purposes that reasonably arise from the student’s membership in the class or attendance at the university. This restriction also applies to any information distributed, disseminated or in any way displayed for use in relationship to the class, whether obtained in class, via email or otherwise on the internet, or via any other medium. Actions in violation of this policy constitute a violation of the Student Conduct Code, and may subject an individual or entity to university discipline and/or legal proceedings.”

Students with Disabilities—“Any student requesting academic accommodations based on a disability is required to register with Disability Services and Programs (DSP) each semester. A letter of verification for approved accommodations can be obtained from DSP. Please be sure the letter is delivered to the instructor as

