

Spring 2008

Syllabus: 09620LING503300 Acoustic Phonetics

Class: F 2:00-5:00, CHSS Building, C519

Instructor: Yueh-chin Chang
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Office hours: by appt.

Prerequisites: an intro to phonetics/phonology class, or permission of instructor

Class website: <http://idisk.mac.com/honghuan/public> (username: Public;
password: nthuling)

Required text: Pickett, James M. 1999. *The Acoustics of Speech Communication: Fundamentals, Speech Perception Theory, and Technology*.
Needham Heights: Allyn & Bacon.

Assigned readings will be posted on the class website.

Course description:

This course is an introduction to fundamental ideas of acoustic phonetics and speech perception theory, with an emphasis on the essential skills of doing acoustic analysis and phonetic/perception experiment.

Course requirements:

Assigned readings
Class participation (10%)
Problem sets (40%)
Term project (50%)

Schedule of topics (subject to revision)

Readings and assignments are due the day they are listed.

WEEK	DATE	TOPIC	READING
Week 1	Feb 22	Introduction, logistics, etc.	
Week 2	Feb 29	No class	
Week 3	Mar 7	General intro	Chaps 1&2 (YCC)
Week 4	Mar 14	Vowel shaping and vowel formants	Chap 3 (YCC)
Week 5	Mar 21	Sound source and the spectra	Chap 4 (YCC&FF)
Week 6	Mar 28	Consonant features	Chap 6 (YCC)
Week 7	Apr 4	No Class	
Week 8	Apr 11	Consonants: Nasal, stop, and fricative	Chap 7 (YCC)
Week 9	Apr 18	Consonants: the voiced-unvoiced contrast/features of place of articulation	Chaps 8&9 (YCC)
Week 10	Apr 25	Tone, intonation	Chap 5&TBA (FF)
Week 11	May 2	Tone, intonation, the flow of speech	Chap 10&TBA (FF)
Week 12	May 9	Perception of Vowel	Chap 11(FF)
Week 13	May 16	Perception of Consonants	Chap 12 (FF)
Week 14	May 23	Phonological development	Chap 13 (FF)
Week 15	May 30	Classical Theory of Speech Perception	Chap 14 (FF)
Week 16	Jun 6	Interactive and integrative theories	Chap 15 (FF)
Week 17	Jun 13	Perception of tone	TBA (FF)
Week 18	Jun 20	Student presentation	