

Syllabus

Ling 433/633 – Acoustic Phonetics – Spring 2009

Course information

Instructor: Jeff Heinz heinz@udel.edu 302-831-2924 42 E. Delaware, room 102 Office Hours: M 4:30-5:30pm Th 4:00-5:00pm and by appointment	Course: Linguistics 4/633 Acoustic Phonetics Lecture: Wednesday 1:25 - 2:40pm, Sharp Lab 118 Labs: Smith Hall 040 20: Monday 1:25 - 2:40pm 21: Monday 3:00 - 4:15pm
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There is a class website with material posted to it. This site is

<http://phonology.cogsci.udel.edu/~heinz/classes/2009/4-633/>

Learning Goals

LING 433/633 provides an introduction to the acoustic study of speech. We will examine various aspects of speech production and perception, concentrating on the source-filter model of speech production and the relation between the physical signal and the mental representation of speech. As this is a senior level undergraduate course and a first-year graduate course, emphasis is also placed on the ability to learn independently. Reading the textbook BEFORE the lecture is required and many assignments go beyond the examples in the textbook.

Text

Required

- Keith Johnson, *Acoustic and Auditory Phonetics*, Second Edition. Cambridge MA: Blackwell, 2003.

Other useful texts

- Allard Jongman and Henning Reetz. *Phonetics: Transcription, Production, Acoustics, and Perception*. Wiley-Blackwell, 2008.
- Elizabeth Hume and Keith Johnson, *The Role of Speech Perception in Phonology*. San Diego: Academic Press, 2001.

- Patricia Kruth and Henry Stobart (editors), *Sound*. Cambridge: Cambridge University Press, 2000.
- Peter Ladefoged and Ian Maddieson, *The Sounds of the World's Languages*. Cambridge MA: Blackwell, 1996.
- Peter Ladefoged. *Elements of Acoustic Phonetics*. Chicago: University of Chicago Press.
- Kenneth Stevens. *Acoustic Phonetics*. Cambridge MA: MIT Press, 1998.

Grading

4 Labs	20%
Homework & Participation	20%
2 Tests	20%
Final Project	40%

Labs There will be 4 lab assignments. You are required to analyze some data and turn in a lab report. These are to be done in groups of 2 (3 with permission).

Homework & Participation There will be occasional HW assignments (mainly from the text). These are due the next class after they are assigned. Participation in class is expected.

Tests There will be two in-class tests.

Final Project In groups of 2 (3 with permission), you will conduct research on a topic relating to the course. It is graded in 3 parts, a proposal, a presentation, and the final report.

There is no final in this course.

Policies

- **NO LATE WORK ACCEPTED.** The highest grade for an assignment turned in late is 0%. If you notify me in advance with very good reasons, it is possible I may relax this on a case by case basis.
- Please submit work as hard copies (not as email attachments).
- No cell phones in class (set to vibrate or turn off).

Course Outline

(subject to change)

Week	Dates	Lab (Mon)	Lecture (Wed)
0	Feb. 11		Chapter 1
1	Feb. 16, 18		Chapter 2
2	Feb. 23, 25		Chapter 3
3	Mar. 2, 4		Chapter 4
4	Mar. 9, 11		Test 1
5	Mar. 16, 18		Chapter 5
6	Mar. 23, 25		Chapter 6
7	Mar. 30, Apr. 1	SPRING BREAK	NO CLASS
8	Apr. 6, 8		Project Proposals Due, Chap 7
9	Apr. 13, 15		Chapter 8
10	Apr. 20, 22		Chapter 9
11	Apr. 27, 29		Review
12	May 4, 6		Test 2
13	May 11, 13	Presentations	Presentations
14	May 18, 20	Presentations	Projects Due

Acknowledgements

This course is based on William Idsardi's and Rebecca Scarborough's acoustic phonetics courses.