Syllabus: Ling 540, Graduate Phonetics

Shigeto Kawahara

1 Class information

- Time: MW 2:50-4:10pm
- Place: Seminary Pl. 108
- Office hours: by appointment.

2 Goals

In the first half of the semester, we will cover basic phonetic concepts, including articulatory phonetics, anatomy, aerodynamics, acoustics phonetics, and perceptual phonetics. We will start from the basics for two reasons: (i) so that everybody is on the same ground for more advanced discussion and (ii) to get you prepared to teach a phonetic course yourself. Even though we will start from the very beginning, the initial discussion on basic articulation is going to proceed at the light speed.

In the second half of the semester, we will discuss topics on phonetics-phonology interface, such as phonetic bases of distinctive features, phonetic origins of phonological patterns, and psychological reality of linguistic theories.

At the beginning of the semester, we will have sessions on Praat, including script writing. You will be asked to complete one mini acoustic experiment (topics will be provided). In addition, you will be expected to conduct your own experiment, and give a presentation on what you will work on, as well as analyses of your results. We will also learn how to use R to analyze your data statistically.

3 Textbook


(Not required but recommended, especially if you will teach a phonetics class in the future)
4 Requirements

- A report of a mini-acoustic experiment (20%)
- Presentation of your own experiments * 2 (10%)
- An experimental report (30%)
- Sakai-based homework assignments and midterm (30%)
- Class participation (10%)

5 Agendas

- ===The very basics===
  - Articulation of speech
  - Aerodynamics of speech
  - Non-English sounds
- ===Preliminaries===
  - Why do experiments? (Kawahara, 2011)
  - IRB
  - Praat session I and II.
  - Praat scripting
  - Phonetic universals
  - Writing up an experimental paper
  - Phonetic experiments: Methodology
  - Presentation of your preliminary experimental ideas
- ===Basic phonetic concepts===
  - Anatomy of speech
  - Physics of speech
  - Acoustics of speech
  - Acoustics of disordered speech
  - Spectrogram reading
  - Speech perception
• Speech perception tasks and levels of speech perception
• ===Phonetics-phonology interface===
• Speech perception and phonology
• Phonetic basis of distinctive features
• Incomplete neutralization (guest presentation by Aaron?)
• Coarticulation and assimilation
• Phonetics/phonology divide
• Psychological reality of phonological knowledge
• Positional effects and phonology
• ===Wrap up===
• Stats I and II using R
• Presentation of the results
• Writing up an experimental paper (repeated)

References


Introduction to Semantics (ling510): Syllabus. Cartoon above by Tom Murphy (http://www.cs.cmu.edu/~tom7). Lectures: Mon., Wed., Fri: 10:10-11:00 Hasbrouck 230. Course Websites: - http://people.umass.edu/scable/LING510-FA15 - Moodle Page. Discussion Period: Friday: 12:20-1:10 Hasbrouck 230. Indeed, I’ve designed the present course to largely be a toned-down version of our graduate-level Introduction to Semantics course (LING 610). For this reason, the overall difficulty level and workload will be much greater than the majority of your other linguistics courses (which are all at the 400 level or below). Suggested Reading: Chierchia & McConnell-Ginet: 529-540. Partee et al.: 3-36. The Graduate Handbook provides basic guidance for graduate students of linguistics, philology and phonetics at Oxford. It explains the procedures with which students may become involved and indicates the scope of the work required for the various degrees. It also provides more detailed guidance on the subject areas in linguistics, phonetics and philology which are currently available as options on the Master’s course, and on how the course is structured and taught. Ling 301 - phonetics. Short Title: PHONETICS. Department: Linguistics. Grade Mode: Standard Letter. Graduate/Undergraduate Equivalency: LING 540. Mutually Exclusive: Cannot register for LING 340 if student has credit for LING 540. Ling 390 - the languages of asia. Short Title: THE LANGUAGES OF ASIA. Ling 540 - theory and methods of teaching ESL and FL. Short Title: TEACHING ESL/FL-THEORY&METHODS. Department: Linguistics. Page 1 Syllabus Last Updated 2/20/2017 Graduate Course Syllabus COM 540: Second Self: Identity and Personal Brands Center: Online Course Prerequisites None Course Description Interactive and social media have opened up myriad opportunities for individuals to create, manage, re-create, and even fabricate their identity online. LING 50. First-Year Seminar: Language in the U.S.A. 3 Credits. The linguistic landscape of the United States in historical and contemporary perspective: American English dialects, language maintenance and shift among Native American and immigrant groups, language politics and policy. Gen Ed: SS. Grading status: Letter grade. LING 89. First-Year Seminar: Special Topics. 3 Credits.