

SYLLABUS

Section ID	786608	Professor	<i>Marc Garellek</i> ['mɑ:k gə'ɹɛlɪk]
Course time	MWF 11:00-11:50 AM	Office	AP&M 4202
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Office	Speech Lab, AP&M 4432	Speech Lab, AP&M 4432	Speech Lab, AP&M 4432
Office hours	F 12-1 PM (<u>odd</u> weeks)	W 12-1 PM	F 12-1 PM (<u>even</u> weeks)
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Section	M 10-10:50 AM (<u>odd</u> weeks)	M 1-1:50 PM	M 10-10:50 AM (<u>even</u> weeks)

Prerequisite: LIGN 101, *Introduction to the Study of Language*

What to expect

- This course is an introduction to **phonetics**, the study of speech sounds. You'll learn how speech sounds of the world's languages are produced and what their acoustic characteristics are.
- You'll learn to transcribe the sounds of English and the world's languages using the International Phonetic Association alphabet (IPA), and to produce them.
- Through an individual project, you'll learn about the sounds of a language of your choice in depth.
- Class sessions are a mix of lecture, discussion, and practice in sound transcription, production, and acoustic analysis.
- Sections will focus on transcription and production, as well as acoustic analysis.
- In most linguistics courses, we emphasize problem-solving skills and abstract concepts, with little memorization. In this course, however, the emphasis is on sound production and perception, which necessarily involve a fair amount of memorization.

Why take this course?

- It provides the necessary foundation for studying the sound side of linguistics (phonetics and phonology).
- It provides the necessary foundation to undertake linguistic fieldwork, regardless of your main interest in linguistics.
- The final project provides practice in eliciting linguistic data, undertaking rigorous library research, and explaining your findings. These are important skills for any discipline.
- Knowledge of phonetics is also useful in the following fields:
 - *language learning*: perfecting your pronunciation in different languages
 - *language teaching*: helping students achieve native-like pronunciation
 - *acting*: accent training
 - *singing*: pronunciation training, understanding musical acoustics and voice registers
 - *speech pathology*: phonetics is studied by speech-language pathologists (SLPs) to treat patients suffering from speech disorders; this type of course is usually a prerequisite in SLP master's programs.
 - *speech technology*: learning how sounds are produced and realized acoustically is crucial for doing speech synthesis and automatic speech recognition.

- *general knowledge*: Wikipedia and most (non-US) dictionaries transcribe pronunciations using the IPA

Requirements

- Homework assignments 56% (8% each)
- Research project
 - Preliminary report 5%
 - Draft of word list 5%
 - Final research report 30%
- Experiment participation 4%
- Total (course grade) 100%

Grading policy

- Your course grade will be determined exactly as shown above. (Attendance and participation may be taken into account when course grades fall in a gray area; these considerations may nudge a borderline course grade up or down. So, both for the sake of the overall course and for your course grade, you are strongly encouraged to attend and to participate in both class and section.) The following is the percentage-to-letter-grade system we will use in this course:

100% - 97%	A+	79.9% - 77%	C+
96.9% - 94%	A	76.9% - 74%	C
93.9% - 90%	A-	73.9% - 70%	C-
89.9% - 87%	B+	69.9% - 67%	D+
86.9% - 84%	B	66.9% - 64%	D
83.9% - 80%	B-	63.9% - 60%	D-
		59.9% - 0%	F

- Grades are in general absolute. However, when nearly everyone gets a homework question wrong, or if grades are unusually low for a particular assignment, I'll consider the possibility that the question was bad or that the assignment was too hard.

Discussion section

- Attending section is not mandatory, but is strongly recommended. The purpose of section is to review course materials, go over exercises, practice transcribing and producing speech sounds, and practice tools of acoustic analysis.

More on requirements

- *Attendance*: There are no grades for attendance, but you should consider lectures obligatory. Missing class will hurt your understanding, and this could hurt your grade.
- *Participation*: Regular participation is very important. Speak up, ask questions, confirm your understanding — and remember to give others a chance to do the same. In principle, each one of you deserves no more and no less than an equal share of time and attention. Take advantage of this, but don't abuse it.
- *Homework assignments (56%)*: There will be 7 homework assignments throughout the course of the quarter, each worth 8% of your course grade. Each will be handed out at the end of class on Monday and will be due in class (first 10 minutes only) the following Friday (please refer to the schedule below). **Late assignments will not be accepted under any circumstances, and there will be no extra credit assignments.**
- *Final research project (40%)*: You will each work on a research project this quarter. In most cases the project will involve working on some aspect(s) of the phonetics of a language, either directly with native speakers of the language (preferred) or via consultation of primary texts and descriptions (by permission

only). A preliminary report is due by **Monday, October 14 in class** (Monday of Week 3) and is worth 5% of your final course grade. A word list draft is due by **Monday, November 4, in class** (Monday of Week 5) and is worth 5% of your final course grade. The final report (5-7 pp.) is due by the end of the regularly scheduled final exam period for this course (**Thursday, December 12, 2-5 PM**) and is worth 30% of your final course grade. As with the homework assignments, late proposals and reports will not be accepted under any circumstances, and there will be no extra credit.

- *Experiment participation (4%).* You are required to earn one credit for participation in an experiment. One credit is equal to approximately one hour of experiment participation. For participation details, visit the UCSD Sona website at <http://ucsd.sona-systems.com/>, and be sure to read the text on the main page. Please note that in order to guarantee your credit, you must (a) enter your full name as it appears on the class roster, and (b) make sure to visit the UCSD Sona website again, after you have participated in an experiment, to assign your participation credit to the right course. **Do not wait until the last week to participate; there may not be experiments available! The last day to fulfill this requirement is the Wednesday before finals week.** (If you are opposed to experiment participation, please contact **Page by Friday of Week 5** for an alternative. If you do not contact her before then, and cannot sign up for any studies by the end of quarter, you will not receive any points.)

Ground rules

- *Non-negotiable policy for late work.* Late work will only be allowed if you provide **documented proof of an emergency to Page**. (Please do not make us ask you for this documentation.) Late research project reports will not be allowed under any circumstances. The absolute due date/time for work handed in late is by 5pm on the Tuesday after the Friday it was originally due.
- *Academic integrity policy.* Any cheating or plagiarism will result in no credit for the work in question, and you will be referred to your college dean for disciplinary action. This is UCSD policy (for details, visit the informative and comprehensive website at <http://academicintegrity.ucsd.edu/>), and there are no exceptions. In cases where academic dishonesty is confirmed, you will at the very least fail the class. Cheating and plagiarism are serious issues; we feel very strongly about this issue and will handle all cases of academic dishonesty accordingly.
- *Grades.* Grades will be changed only in the case of an actual grading error. In matters of judgment, all grades are final.

Resources

- *Textbook.* The required textbook is *The Sounds of Language* by Henry Rogers (Routledge, 2000). Available at the UCSD Bookstore and Amazon (where used versions are available and permissible).
- *Reserves.* Optional additional reading on phonetics. Go to <http://libraries.ucsd.edu/resources/course-reserves/> and click on “Students – Get your course reserves” to see a list.
- *Ted and discussions.* We will be using the course's **Ted** site (<http://ted.ucsd.edu/>). Handouts and links will be posted there, as well as homework assignments and instructions. Please check the site regularly for announcements. We also encourage you to post questions on the discussion boards so that everyone can benefit. **Amanda** will be monitoring the site regularly, but free to contact **Nadav** with private communications not directly related to course content. Please don't expect to receive a reply outside normal working hours (M-F 9-6).
- *Praat.* For some homework assignments you will be required to use some speech analysis software called **Praat** (<http://www.praat.org>), which is free and available for Windows, Macintosh, and Linux operating systems. You can either install and use this software on your own computer or use it at a campus computer lab.

Course outline (subject to change...)

<i>Week</i>	<i>Date</i>	<i>Topics</i>	<i>Reading</i>	<i>Items due / quizzes</i>	<i>Project</i>
0	Sep 27	Overview of course	Ch. 1		
1	Sep 30	Introduction and review	Ch. 2 (up to p. 28) Ch. 12, 13		find your speaker
	Oct 2	Airstream mechanisms and			
	Oct 4	phonation types			
2	Oct 7	Place of articulation	Ch. 10		find sources
	Oct 9				
	Oct 11			HW #1 due	
3	Oct 14	Manner of articulation	Ch. 11	preliminary report	
	Oct 16				
	Oct 18			HW # 2 due	
4	Oct 21	Acoustic phonetics	Ch. 7, 8		prepare draft of word list
	Oct 23				
	Oct 25			HW # 3 due	
5	Oct 28	Vowels and glides; Secondary articulations	Ch. 9 Review Ch. 10 (pp. 203-206)		
	Oct 30				
	Nov 1			HW # 4 due	
6	Nov 4	More on acoustics	<i>none</i>	draft of word list	go over word list with speaker
	Nov 6	Praat tutorial			
	Nov 8			HW # 5 due	
7	<i>Nov 11</i>	<i>Veteran's Day Holiday – no class</i>			record final word list
	Nov 13	Syllables	Ch. 14		
	Nov 15	Suprasegmentals		HW # 6 due	
8	Nov 18	Mystery language	<i>none</i>		record final word list
	Nov 20	Linguistic phonetics			
	Nov 22			HW # 7 due	
9	Nov 25	English consonants and vowels in depth	Ch. 3-6		transcribe recording and write paper
	Nov 27				
	<i>Nov 29</i>	<i>Thanksgiving Holiday – no class</i>			
10	Dec 2	English dialects	<i>none</i>		
	Dec 4				
	Dec 6	Wrap-up			
Finals Week	Dec 9—13				paper due Dec. 12, 2:00-5:00 PM