**Linguistics 103**  
Fall 2006

**Introduction to General Phonetics**

**Class:** Monday/Wednesday 11-12:50pm in Rolfe 3134

**Professor:** Sun-Ah Jun  
2101H Campbell Hall (inside Phonetics Lab)  
310-892-7818, jun@humnet.ucla.edu (Ling Dept.: 825-0634)  
Office hours: Friday 2-4 and by appointment

**TA** Chad Vicenik (cvicenik@humnet.ucla.edu)  
Office: Campbell 2207  
Office hours: Tues 3-4pm, Thurs 2-3pm, and by appointment

**Sections:**  
*** You must enroll to a section to take this class ***  
A: Thursday at 4pm Rolfe 3106  
B: Thursday at 3pm MS 5217  
C: Friday at 2pm Rolfe 2106  
D: Friday at 3pm Rolfe 3131

**Prerequisite:** Any prior linguistics course, or currently in Ling. 20.

**Text:**  
*A Course in Phonetics*, by Peter Ladefoged  

**Course Description:**

This class will introduce articulatory and acoustic phonetics, with an emphasis on the production and perception of sounds of the world’s languages. The lectures will concentrate on some of the general principles involved in speech production and how to articulate and transcribe the sounds in the IPA (International Phonetic Alphabet) chart. In section meetings, you will have practical experience in producing and transcribing a variety of sounds as well as in observing acoustic data.

**Course Requirements and Grading:**

- homework (two) 10%
- a quiz 5%
- a mid term exam 13%
- a final exam 22%
- transcription (part of mid/final exams) 10%
- an individual production exam 10%
- a term project, a preliminary report 5%
- a term project, a final form 25%
**Rules and Regulations**

1. All assignments and projects are to be done by you AS AN INDIVIDUAL. Collaboration is NOT ALLOWED on written work. On the other hand, you are encouraged to practice your listening/transcription and production skills together.

2. You are responsible for knowing what is due when.

3. Homework is due at the beginning of the due day class. Late homework will be given a half credit but no credit if later than the discussion section.

4. An individual production exam, 10-minute long, will be given during the exam week (Dec.11-12) by appointment.

5. Grades will be changed for clerical errors only and may be done on a curve.

6. No makeup exam will be given except in dire, documented medical or family emergencies. If it’s possible, call me or email me before the test!

7. Suspected cheater or plagiarist will be sent to the Dean of Students with a full report.

**A term project:** The CD and a written paper are due **December 8, Friday 2:00pm.**

A term project is a “field study” project, in which you obtain a description of the phoneme inventory and major allophones of a language by transcribing forms elicited from a native speaker of a language that you choose and work on independently. This is the major assignment for this course (worth 30% of the final grade).

**Goal of the project:** to give you an opportunity to practice your skills of perceiving and transcribing the speech sounds of a language other than English. You will also get experience working with phonemes and allophones and doing library research. It is also an opportunity to learn about a language that interests you.

**Basic Procedures and Schedule:** 1. Select a language and find a speaker to work with (WEEK 1 and 2), 2. Do library research on the sounds of that language (WEEK 3), 3. Turn in a preliminary report where you describe your language and speaker (first class of WEEK 4), 4. Develop a list of words that illustrate the sounds of your language (i.e. phonemes and allophones), by consulting your speaker and references (WEEKS 5-7), 5. Make a CD recording of your speaker reading those words (WEEKS 7-8), 6. Transcribe your recording, summarize the sound system and the phonetic characteristics of the sounds (WEEK 8-10), and 7. Turn in your CD and paper (Friday of WEEK 10). (a more detailed handout will be given later)

**Speaker:** Choose a language that sounds interesting to you and for which you can find a speaker (not yourself). The speaker should be someone who is willing to help you (that is, will meet with you for several hours over the quarter), will still be around in week 8 of the quarter, has not already been a speaker for a Ling 103 term project, and is a fluent native speaker of a language other than English. The speaker can speak any dialect of the language.

Find your speaker from your friends, relatives, fellow students, neighbors, fellow employees. Two students in this class may not work with the same speaker, but may work with each other. It is easier if both you and your consultant can read the orthography of the language, but not absolutely necessary. Graduate students in TESL may work on the English of a non-native speaker, incorporating a contrastive analysis between the native language and English.
Language: Any language is fine. Extra consideration will be given for projects on more difficult languages (e.g. languages with many consonants or vowels, with tone and pitch accents; languages with little prior documentation). If you work on a language which has a fairly simple phonetic structure, such as Spanish, Japanese, or Tagalog, or a language of which you are familiar with, then you will have to provide a more detailed description to get a high grade.

Recording: Record to a computer and burn a CD at the Phonetics Lab. However, if scheduling your speaker (to come to the Phonetics Lab) is not easy, you could record your speaker at a more convenient location using your own recording equipment as long as the quality of the recording is good (Check with me). If you plan to record at the Phonetics Lab, you need to schedule in advance to use the computer. An instruction to burn a CD after recording directly to the computer will be given at a section meeting (See the tentative schedule).

Listening Exercises and Speech analysis program

A. You can practice production/transcription of IPA sounds from UCLA Phonetics Archive homepage (http://www.phonetics.ucla.edu/). This website also contains the exercises in A Course in Phonetics.

B. You can also exercise listening/transcription/production skills in the Instructional Media Lab in Powell. In the Instructional Media Lab, you can check out “ear training” or “language exercise” tapes (Note: the tapes are old and the quality of some of the tapes is not good).

C. CLICC Lab: For the second homework, you would need to use a speech analysis program (PCQuirer) available in the CLICC lab. To gain access to the labs, you need to have your Bruin Online ID. Further information about using the computer and software will be given in section meetings.

Helpful Books and References

Helpful for term projects, not specific to any language:

— Bibliography and partial phoneme charts from about 240 languages.

— useful for interpreting sources written outside the IPA tradition

— description of language family and individual languages

Comrie, B. (1990) *The World's Major Languages*


— a guide to the use of the International Phonetic Alphabet
List of reserved material in the Library (search by ‘Course #’ in the Library Reserve Search).


[5] Elements of acoustic phonetics

[6] Elements of acoustic phonetics


[13] Linguistics : an introduction to linguistic theory / written by Victoria A. Fromkin (editor) ... [et al.].


[16] Patterns of sounds / Ian Maddieson ; with a chapter contributed by Sandra Ferrari Disner.

[17] Persian / Shahrzad Mahootian with the assistance of Lewis Gebhardt.


[22] Phonology of Armenian / Bert Vaux.

[23] Phonology of Danish / Hans Basbøll.

[24] Phonology of Guangzhou Cantonese / Ming Chao Gui.

[25] Phonology of Hungarian / Péter Siptár and Miklós Tothencies.

[26] Phonology of Portuguese / Maria Helena Mateus and Ernesto d'Andrade.

[27] Practical introduction to phonetics / J.C. Catford.


[29] Reference grammar of colloquial Burmese.


[33.] Spanish pronunciation in the Americas / D. Lincoln Canfield.

[34.] Structure of the syllable in Cantonese, by Diana L. Kao.

[35.] Syllable structure and stress in Spanish: a nonlinear analysis / James W. Harris.

[36.] Synchronic phonology of Mandarin Chinese.

[37.] Thai reference grammar.

[38.] Vietnamese pronunciation.


[40.] Yoŏktae Hanŭguk munpŏp taegye / [pŭŏnja Kim Min-su, Ha Tong-ho, Ko Yoŏng-guŭn].
Tentative Class Schedule

<table>
<thead>
<tr>
<th>Week/Dates</th>
<th>Topics and assignment</th>
<th>Readings</th>
<th>Section</th>
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<tbody>
<tr>
<td>1. Oct. 2, 4</td>
<td>Introduction; Articulatory Phonetics, The sounds of English</td>
<td>ch. 1</td>
<td>vocal organs</td>
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<td>ch. 3, 4</td>
<td>IPA chart</td>
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<td>2. Oct. 9, 11</td>
<td>Phonology and Phonetic Transcription</td>
<td>ch. 2</td>
<td>transcription</td>
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<td>3. Oct. 16, 18</td>
<td>Airstream mechanisms and phonation</td>
<td>ch. 6</td>
<td>ejectives, clicks, implosives</td>
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<td>Larynx tape</td>
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<td><strong>Quiz</strong> in Oct. 18</td>
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<tr>
<td>4. Oct. 23, 25</td>
<td>Consonants: Place and Manner of articulation</td>
<td>ch. 7</td>
<td>place and manner non-English sounds</td>
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<td>Preliminary report due on Mon (Oct. 23)</td>
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<td>5. Oct. 30, Nov. 1</td>
<td>Vowels and Approximants; Language demo; review</td>
<td>ch. 9</td>
<td>vowels, approximants</td>
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<td>HW 1 due on Monday (Oct. 30)</td>
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<td>6. Nov. 6, 8</td>
<td><strong>Midterm exam</strong> (Nov. 6) suprasegmentals</td>
<td>ch.1-5</td>
<td>how to record</td>
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<td>ch. 6-7, 9</td>
<td>(no section on Fri)</td>
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<td>7. Nov. 13, 15</td>
<td>more on suprasegmentals</td>
<td>ch. 5, 10</td>
<td>suprasegmentals</td>
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<td>(Project-recording starts)</td>
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<td>8. Nov. 20, 22</td>
<td>Introduction to Acoustics</td>
<td>ch. 8</td>
<td>no section</td>
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<td>(Thanksgiving)</td>
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<td>9. Nov. 27, 29</td>
<td>Acoustics of Vowels/Consonants</td>
<td>ch. 8</td>
<td>acoustics</td>
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<td>(in the CLICC lab)</td>
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<td>10. Dec. 4, 6</td>
<td>More on acoustics, review</td>
<td>ch. 8, 5, 10</td>
<td>production exam</td>
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<td>HW 2 due on Wednesday (Dec. 6)</td>
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<td>prep, final review</td>
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<td><strong>Project due on Friday (Dec. 8), 2pm</strong></td>
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**Final exam:** Wednesday, December 13, 2006, 3:00pm-5:00pm

**Individual Production Exam:** Dec. 11 and 12 (10 minutes, by appointment)