



CLASS AL 4302, Principles of Articulatory and Acoustic Phonetics Credit Hours: 3 (U)
Fall Bimester 2008 Sessions 1 & 2 July 23 - September 19, 2008
Mahler 1,2,3,5,7,8 M,T,W,Th,F 8-9am

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Description:

- Catalog description: By the end of the course, using an augmented subset of the International Phonetic Alphabet (IPA), students will be able to identify, mimic, and transcribe sounds and prosodies in normal human speech and to describe the mechanisms by which a speaker produces these sounds. Students will also be introduced to basic techniques of acoustic analysis.
- One eight-week course—one grade: Course number AL4302 refers to one course taught over two sessions, Sessions 1 and 2. Students will receive a single course grade calculated from a weighted average of the scores received in both sessions.

Competencies to be Acquired:

1. On hearing an utterance you will be able to transcribe the prosodies of stress and tone and the segments using symbols from the augmented set of IPA symbols with at least an 80% accuracy rate. (Transcription Exams)
2. When given a symbol from the augmented set of IPA symbols you will be able to give the technical name including the air stream mechanism and direction of the air stream, state of the vocal folds, velic opening or closure, place of articulation, manner of articulation and modifications with 90% accuracy. (Theory Exams)
3. When given a printed word or utterance using an augmented set of IPA symbols, you will be able to pronounce it with at least 80% accuracy. (Pronunciation Quiz.)
4. When given a sagittal diagram/face diagram you will be able to give the technical name and appropriate symbol with 90% accuracy. Also when given a technical name or symbol you will be able to produce a sagittal diagram with 90% accuracy. (Theory Exams)

5. You will be able to mimic a brief dialogue with five to eight utterances at 80% accuracy in regards to pitch, rhythm and segments after listening to these utterances on a CD for no more than three hours. (Mimicry)
6. You will be punctual daily and present at least 95% of the time, participating daily in class oral exercises and transcription at the board in order to gain competency in all the prosodies and segments. (Class participation)
7. You will be able to identify at least three additional resources besides the main text which may be helpful for future phonetic investigation in your fieldwork: Ladefoged, Peter, *A Course in Phonetics*; Ladefoged, Peter and Ian Maddieson, *Sounds of the World's Languages*; and *Handbook of the International Phonetic Association*.
8. You will demonstrate general knowledge of physical characteristics of sounds with 80% accuracy. (Acoustics homework)
9. You will demonstrate ability to use the speech analyzer program to measure duration of segments to 80% accuracy. (Acoustics homework)

Course Outline: See Attached Schedule.

Text:

- Textbook: Bickford, Anita C. and Rick Floyd. 2003. 4th ed. *Articulatory phonetics: Tools for analyzing the world's languages*: (Fourth edition). Dallas: SIL International. (AP)

Resources:

- Software: SIL Int'l. 2003. *SIL Language Software 1.0+* Dallas: SIL International.
- Reserve books, readings, and references in the GIAL Library will include the following:
 - Denes, Peter B. and Elliot N. Pinson
1993 *The speech chain: The physics and biology of spoken language*. 2nd ed. NY: W. H. Freeman and Company. (D&P)
 - Ladefoged, Peter. 1993. *A course in phonetics* (Third edition) New York: Harcourt Brace Jovanovich, Inc.
(Also available: 1982, Second Edition) (PL)
 - Ladefoged, Peter and Ian Maddieson. 1996. *The sounds of the world's languages*. Cambridge: Blackwell Publishers. (LM)
 - Pike, Eunice V. Excerpts from *Dictation exercises in phonetics* (revised to IPA) (in 3-ring loose-leaf binders labeled *Articulatory Phonetics*). (DEP)
 - The International Phonetic Association. 1999. *Handbook of the International Phonetic Association*. Cambridge: Cambridge U. Press. (Hb.)
- Other resources are available through the GIAL Library and through interlibrary loan, as well as on the internet. Some homework assignments may require browsing a given web site.
- Pencils and eraser: Students need to bring sharpened pencils and a good eraser to each class meeting.
- Audio and/or CD recordings: Each student will be provided an audio cassette tape and/or a CD with the following data for pronunciation practice: Word lists (WL) for pronunciation practice and five brief dialogues for mimicry quizzes (MQ). Some of these and other data for practicing phonetic skills can also be downloaded from the *phonetics* directory on the *public* file server of the ILC Local Area Network. You will also receive a written transcription of the word lists (WL) but not of the dialogues. Other sound recordings will also be available on CD or the lab computers.
- One or more videos will be shown in review sessions, including "Normal Speech Articulation" (Univ. of Iowa).

Course Requirements and Procedures:

- Class Participation (CP): The class will meet every Monday through Friday, 8:00 - 8:55 a.m., except as shown on the Course Schedule. Students, including auditors, are expected to attend each class meeting and to participate actively in class. Assignment of individuals to recitation sections will be posted before the second class meeting. (Note: A very longstanding course tradition is that husbands and wives not be assigned to the same recitation section.)
- Review sessions: Most of these sessions will focus on practicing transcription of recently introduced sounds. Attendance at these sessions is *helpful*, but *not required*. These hour-long sessions will be held Thursday afternoons.
- Readings/Homework (HW): Readings from AP, PL, Hb., and any other items assigned, as well as the homework assignment over the previous day's lesson, are to be completed by the beginning of the class period. (Note: Readings from LM are optional.)

Methods of Instruction:

- Teaching style: Recitation sections are kept relatively small so that individual attention can be given to each student. In a typical class meeting, the instructor begins by asking for questions about that day's reading assignment. Then he or she very briefly presents the highlights of the reading assignment. Every effort is made to complete these parts of the lesson early in the class period, so as to devote the majority of the period to students' learning to pronounce, recognize, and transcribe the sounds being introduced in this and recent lessons. Usually this includes students spending some time writing transcriptions at the chalkboard.
- Training trainers: "Pronunciation Helps" in most chapters of the textbook, instruction in the daily class meetings, and practice teaching as a section in the daily homework assignments, combine to help prepare the students in this course to become trainers themselves.
- Production *Coaching* (PC): Practice pronouncing the sounds taught in class and the word list words on tape on or before the date specified. PCs are for training only—they are not graded. Usually on Tuesdays, by appointment, each student's teacher will check the student's pronunciation of the words in the wordlist(s) assigned for previous days' lessons, and will give help as needed.
- Production *Quizzes* (PQ): Pronunciation Quizzes will be given following the Coaching time.
- Production/Transcription Practice (PT): Weekly each student will practice dictating and transcribing words with sounds from recent lessons.
- Mimicry Quizzes (MQ): The brief dialogues on tape mentioned above are used for mimicry quizzes. Prepare by listening, mimicking, and tracking. The mimicry quizzes will be conducted outside of class, usually on Tuesdays, as indicated in the course schedule.
- Transcription Tests (TT): A brief transcription test will be given at the beginning of class each Friday, except as noted otherwise in the schedule.
- Theory Examinations (TE): A cumulative written exam at the end of each four-week session will cover material from the assigned readings and class lectures from the beginning of the course.

Methods to be Used to Assess Outcomes:

Grading:

<u>Weight: Performance on:</u>	<u>Score:Grade</u>
25% Transcription Tests (TT)	98-100% A+
25% Theory Exams (TE)	92-97% A
20% Pronunciation Quizzes (PQ)	90-91% A-
15% Mimicry Quizzes (MQ)	88-89% B+
5% Homework (HW)	82-87% B
5% P/T Practice (PT)	80-81% B-

5% Class Participation (CP)		78-79%	C+
		72-77%	C
		70-71%	C-

- Graded performances will be accepted for grading late *only* by prior arrangement or in case of emergency. *All work must be completed* prior to the end of the course. A temporary grade of "Incomplete (I)" may be assigned at the discretion of the course head. This grade indicates that the student was performing at an acceptable level but, due to extraordinary circumstances, was unable to complete all of the course requirements. The student must complete and submit all course requirements by the beginning of the next bimester or the "I" grade will automatically convert to an "F." The professor must submit the final grade to the school office in a timely manner to process the grade change. An Incomplete will not be issued to a student simply to avoid a failing grade in the course (see GIAL Catalog).

Financial Aid:

"Students receiving financial aid who withdraw or add hours during the bimester may have their financial aid adjusted because of the withdrawal or addition. This change in schedule may affect the aid a student receives during the current bimester, and might affect their eligibility for aid in the future."

Disabilities:

"Once admitted to this course, a student who has provided documentation of disability to the Dean of Students has the responsibility of informing the course head in writing during the first week of class of any disabling condition that may require modifications to avoid discrimination."

Grievance, Discipline, and Appeals Procedure:

"Faculty members commit themselves to abide by GIAL's Grievance and Discipline and Appeal procedures as stated in the *Student Handbook* and the *Catalog*."

Posting of Course Grades:

"Each faculty member may, at their discretion, post or otherwise distribute to the students course grades for each class in a manner that protects the privacy of each student's grade. Final course grades provided to a student by a faculty member are not official. Official grade reports are available only through the Registrar's Office."

Course Schedule: (See following two page schedule.)