AL 4303 Principles of Phonological Analysis Credit Hours: 3
Spring 2009 Sessions 2-3 Feb. 9 – Apr. 3, 2009 Mahler 1, 2, 5, & 7 M-F 9:05 – 10:00 AM

Instructor: Steve Parker
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(I usually don't check my e-mail on weekends.)

Office Hours: Mondays through Fridays, 2:00 – 5:00 pm. In addition to these posted hours, you are also welcome to stop in any other time when you find me in the office. You don't need to make an appointment in advance, although you are free to arrange one if you want to ensure that I will be available at a certain time. Please don't hesitate to seek my help; I am here to serve you!

Course Assistants:

Name: Brenda Boerger
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Name: Brian Paris
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Description:
By the end of the course, students will be able to distinguish between phonetic and phonological (phonemic) data. They will be able to recognize the use of distinctive features, natural classes and phonetic plausibility; interpret ambiguous segments and sequences; understand and utilize typical charting techniques; identify phonetically similar segments in complementary distribution, free variation, and contrast in identical or analogous environments; recognize major phonological processes and common conditioning environments, including adjacent segments and syllable structure; and apply concepts of tone analysis and morphophonemics to real data.

Rationale:
This course fits into the mission of the Graduate Institute of Applied Linguistics by providing training in the linguistic analysis of phonology (the sound systems of human languages), and helping students develop research skills and opportunities with real data, in order to serve others.

Prerequisite:
AL 4302, Principles of Articulatory and Acoustical Phonetics (or equivalent), previously or concurrently

Outcome Objectives:
The purpose of this course is to orient students to phonology — the study of sound systems of natural human languages. Upon successful completion of this course, students will be able to:

- recognize the difference between phonetic (etic) and phonological (emic) data

- describe general expectations and tendencies concerning the sound systems of the world's languages
- apply initial principles of data organization and phonological analysis to solving a wide range of problems involving natural language data
- use formal binary distinctive features to explain the notions of natural classes and evaluate the phonetic plausibility of phonological processes at different levels of the phonological hierarchy, including syllables and prosodic words
- articulate and apply the relationships that similar phonetic or phonological units can have to each other
- formalize phonological rules using classical, autosegmental, and feature geometry notations

Text:
Stephen Marlett. 2001. *An introduction to phonological analysis*. SIL International and University of North Dakota. Available at the GIAL finance office. Please obtain a copy of this book soon and bring it with you to class every day; we will be using it often. Couples may share the same text, although this may prove to be inconvenient at times. An electronic PDF version of this book may be downloaded for free from the following site:

http://www.sil.org/mexico/ling/Phonology-Marlett/E004-Phon.htm

Note, however, that it will be very difficult for students to work through exercises together in class, especially on days when a lab session is scheduled, without having access to a hard copy of the textbook.

Methods of Instruction:
It is important to attend class each day since this is when the majority of the formal instruction will take place. Class sessions will consist of a combination of lectures and lab sessions where we work together on problems involving real phonological data sets. Participation in class discussions by asking and answering questions is a key part of the learning process. We will make use of the textbook as well as handouts, overheads, etc.

Sections:
The students will be divided into three sections for lab sessions. On the second day of class, you will receive a handout indicating where your lab section meets. The instructors for these groups will be rotated throughout the semester. On the days in which a lecture is scheduled, all three sections will meet together in Mahler 05 and 07; when a lab session is scheduled, each section will meet separately. The course outline at the end of this handout specifies whether we will be having a lab or a lecture on each class date.

Academic Integrity:
Each student in this course is expected to abide by the GIAL standards for academic integrity. Any work submitted by a student in this course for academic credit will be the student's own work, except as clarified below regarding help on homework assignments.

You are encouraged to study together and discuss information and concepts covered in lecture and lab sections with other students. You can give "consulting" help to or receive "consulting" help from such students. However, this permissible cooperation should never involve one student

having possession of a copy of all or part of the work done by someone else, in the form of an e-mail, an e-mail attachment file, a diskette, a CD, or a hard copy.

Should copying occur, both the student who copied work from another student and the student who gave material to be copied will both automatically receive a zero for that assignment. Penalty for violation of this code can also be extended to include failure of the course and/or other disciplinary action.

During examinations (take home tests and the final exam), you must do your own work. Talking or discussion is not permitted during the examinations, nor may you compare papers, copy from others, or collaborate in any way. Any collaborative behavior during the examinations will result in failure of the exam, and may lead to failure of the course and disciplinary action.

Since I have taught this course in approximately the same way on several occasions in the past, you may find that former students have access to graded papers, homework assignments, quizzes, tests, etc., or handouts discussing the solutions to all of these. You are ***not*** allowed to consult any of these materials so long as you are enrolled in this class, or until after you have completed the final exam. If you are taking this course for credit and/or for a grade, we will assume your implicit agreement with this policy.

Grading Scale:
For the final cumulative course grade, the following percentage equivalencies will be used:

98-100%	A+
93-97	A
90-92	A–
88-89	B+
83-87	B
80-82	B–
78-79	C+
73-77	C
70-72	C–
68-69	D+
63-67	D
60-62	D–
< 60%	F

Grading:
The percentage values to be used in the final grade calculation are as follows:

Written homework assignments	30%
Quizzes (total of three)	15%
Take home test problems (total of three)	30%
Final exam	20%
Discretionary	5%

The discretionary portion of the final grade (5%) is somewhat subjective and includes factors such as attendance, class participation, attitude/motivation, improvement, promptness, etc. It might come into play in those cases when a student is on the borderline between two grades, such as *A*– versus *B*+, etc.

Written Assignments:
Daily homework problems should be done legibly in blue or black ink or dark pencil on letter-size paper (8½ x 11 inches). They are due at the beginning of the next class period, unless otherwise indicated. You do not need to type up your written assignments, although you are welcome to do so if you wish. Feel free to work together with other students on these assignments and/or consult with a staff member. However, each student must turn in their own unique paper. These exercises are designed to help you learn, not to stress you out. In some cases the textbook includes a brief solution to the problems. Simply copying what is indicated there and handing it in will not automatically get you a high grade; we expect to see some additional discussion/explanation of the concepts as well, indicating that you have thought about them on your own and understand what is happening. We will grade daily homework exercises (but not tests) on a ten point scale: 10, 9.5, 9, 8.5, 8, etc. Before you hand in your completed assignments, please fold the papers in half (vertically) and write your name on the back.

Late/Make-up Work:
Since we often hand out a written discussion and solution to homework exercises on the day they are due, late papers cannot be accepted. Exceptions will only be made in the case of emergencies, at the instructors' sole discretion. Moreover, late assignments will be accepted only if you have spoken to one of us prior to the day on which the assignment is due. We reserve the right not to accept any late work.

Reading Assignments:
One or more chapters in the textbook will be assigned as part of your daily assignments, with or without written exercises. These readings are specified in the schedule of topics at the end of this handout. There will not be any formal written requirements to ensure that you have done the readings; we assume that you are mature, serious students interested in learning the course content.

Quizzes:
There will be three short (25-30 minutes) quizzes given throughout the course during class time, as scheduled in the course outline at the end of this syllabus. These will not involve complex problem-solving, but will instead cover definitions, theory, etc.

Test Problems:
There will be three longer problems given as take-home tests; see the schedule listed later in this handout. You are ***not*** permitted to discuss these with any other students, but you may seek help from the staff if you really get stuck. These tests will be "open book": you may refer to the textbook, class notes, handouts, etc., as you solve the exercises.

Final Exam:
The final exam will contain short problems, definitions, and theory. It will be cumulative, building on everything taught throughout the course. It will be held on the next to last class day

of session 3 (April 2nd). Please note that this test is scheduled for two hours (9:05 – 11:00 am). We will make accommodations (alternative arrangements) for those students who have a conflict the second hour, but please try to keep your schedule free on that day from 10:00 – 11:00.

Electronic Course Materials:
Students taking this course are welcome to request electronic versions of any or all of the handouts, data sets, homeworks, take home tests, etc. If you would like to have all of the files for the entire course, just let me know your request once you have completed the final exam. If you would like individual documents along the way, please send me an e-mail listing the specific handouts you want. Note that you will not be able to read some of the special characters correctly on your computer unless you install certain customized fonts, which I can also provide for you.

Bibliography:
On reserve in the GIAL library: Sanford A. Schane. 1973. *Generative phonology*. Englewood Cliffs, New Jersey: Prentice-Hall.

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."

Tentative Schedule for Assignments:

Monday February 9	lecture	<u>Introduction to phonology</u> reading for next class: Marlett preface and chapter 1 also, Schane pages 3-6
Tuesday February 10	lecture	<u>Overview of articulatory phonetics and phonological features</u> read chapter 6 and Schane chapter 2 Marlett exercise 6.1 (for practice only) consonant exercise (to turn in tomorrow)

Wednesday February 11	lab	vowel exercise (to turn in tomorrow)
Thursday February 12	lecture	Classical phonemics: Contrast in Identical Environment and Complementary Distribution read handout on phonemics English minimal pairs handout, turn in Karuk, Marlett p. 114, for practice only Italian, on handout, practice Seri, p. 114, to turn in
Friday February 13	lab	Sierra Nahuat problem, Marlett p. 129, practice Tetelcingo Nahuatl, p. 130, turn in Guanano, p. 116, turn in
Monday February 16	lab	Check Yourself 1 (for practice only) Damana, p. 130, turn in
Tuesday February 17	lab	Quiz 1 (in class) read chapters 9, 11, 12, 17, 19, 20, and page 54 Chamicuro problem, on handout, turn in
Wednesday February 18	lecture	Suspect pairs, Contrast in Analogous Environment read chapters 21, 22, 24, and page 136 review "Phonemics" handout, section 1 Marlett, p. 135, practice Kuskokwim Eskimo, p. 115, turn in Tlahuitoltepec Mixe, p. 128, turn in
Thursday February 19	lab	Venda, p. 116, practice Huariapano, on a previous handout, turn in Tojolobal, p. 118, turn in
Friday February 20	lecture	Free variation read chapters 15, 23, and page 109 Marlett, pp. 136-37, practice Corongo Quechua, on handout, turn in
Monday February 23	lab	Test 1, part 1 (take home; due tomorrow)
Tuesday February 24	lab	Test 1, part 2 (take home; due Thursday the 26th)
Wednesday February 25	lecture	Syllable structure
Thursday February 26	lecture	Syllabification and interpretation read chapters 27, 28, 29

Friday February 27	lab	Corongo Quechua, p. 162, practice Seri, p. 164, turn in
Monday March 2 (8:00 am)	lab	read chapters 2, 4, 5, 8, and page 51 both Manam exercises, p. 10, practice Selepet exercise, p. 10, practice
Tuesday March 3	lecture	Morphophonemics read Schane chapter 6
Wednesday March 4	lab	Check Yourself 2, practice
Thursday March 5	lab	Quiz 2 (in class) Xavante, p. 101, turn in Tetelcingo Nahuatl, p. 165, turn in
Friday March 6	lecture	Distinctive features and their hierarchical organization read Appendix A
Monday March 9	lab	read chapters 7, 10, 16, 18, 26, 31, 32, 33 homework sheets on feature geometry trees, one for practice and one to hand in
Tuesday March 10	lecture	Rule ordering read chapters 13 and 34 and Schane pages 84-91 read Rule Ordering paper (on reserve) Marlett, pp. 76-77, practice Czech problem, turn in
Wednesday March 11	lab	Lamba, p. 193, turn in
Thursday March 12	lecture	Suprasegmentals: stress and length read chapters 30, 35, and Schane chapter 5 Dakota Sioux, p. 202, practice Isthmus Zapotec, p. 202, practice
Friday March 13	lecture	Redundancy read Schane chapter 4 redundancy matrices, turn in
Monday March 16	lab	Test 2 (take home; due Wednesday the 18th)
Tuesday March 17	lab	

Wednesday March 18	lecture	Tone read chapters 36, 37, 38, 39 read Suprasegmentals paper (on reserve) Isthmus Zapotec, p. 205, practice Mende, p. 205, practice
Thursday March 19	lab	Check Yourself 3, practice Shona tone problem, on handout, practice
Friday March 20	lab	Quiz 3 (in class) tone processes reading (on reserve)
Monday March 23	lecture	Sonority Southeastern Puebla Nahuatl, p. 174, practice American English, p. 174, practice
Tuesday March 24	lab	Test 3 (take home; due Thursday the 26th)
Wednesday March 25	lab	
Thursday March 26	lecture	Suppletion, abstractness read chapters 3 and 25 and page 197 Seri, p. 20, practice Tzotzil, p. 22, practice Palauan problem, on handout, turn in
Friday March 27	lab	(GIAL homecoming weekend)
Monday March 30	lecture	Orthography read Appendix B and paper by Bauernschmidt
Tuesday March 31	lab	read Appendix C Katukina exercise, on handout, turn in
Wednesday April 1	lecture	Motivation for feature geometry read chapter 14 and review chapter 13 exercises, pp. 76-77, practice optional review session, time to be announced
Thursday April 2	(lecture)	Final exam (in class); 9:00 – 11:00 am
Friday April 3	lecture	Acoustic phonetics and Praat course evaluation