

LINGUISTICS 471/571
Phonetics and Phonology
University of Montana, Fall 2016

Syllabus

Time:	MWF 9:00am – 9:50am	Office:	SS 212
Place:	NAC 014 (Land/Culture Lab)	Office hours:	M&W 11:00-11:50 or by appointment
Instructor:	Dr. Mizuki Miyashita	Email:	mizuki.miyashita@umontana.edu

Course Description and Objectives

- This course introduces fundamental knowledge of phonetics and phonology. The data materials will cover as many as 20 languages from diverse language families. The course content includes understanding of basic acoustic and articulatory phonetics, developing analytical skills in phonology, and learning introductory phonological theories.
- Class meetings consist of lectures and in-class activities. In-class activities usually are solving data problem sets. These activities provide opportunities to learn the methods required for homework assignments.
- This course fulfills the requirement for MA in linguistics, minor in Linguistics, major/minor in Anthropology and Linguistics option in Anthropology major. This is a co-convened class (LING 471 & 571). Graduate students are assigned to take a leadership during in-class activities.

Learning Outcomes

By completing this course, students will be able to:

1. Conduct acoustic phonetic measurements of speech sounds using *praat* (software).
2. Understand and identify various sounds used in human speech.
3. Identify systematic patterns of speech sounds by describing the sound distribution, generalizing the patterns, and proposing an analysis.
4. Learn about phonological theories. (Graduate: Make phonological analyses within various theoretical frameworks (Autosegmental theory, Rule-based theory, Metrical theory, and Optimality theory.)
5. Read journal papers in phonology. (Graduate: Understand advanced journal papers in phonology.)
6. Obtain critical thinking skills and written presentation skills that are highly appreciated in academic and/or professional environments.

Prerequisites

LING 470 Linguistic Analysis

Course Requirements and Grading Criteria

Undergraduate

Participation	15%
Homework 1~7	70% (10 x 7)
Final Exam	15%

Graduate:

Participation	10%
Homework 1~7	70% (10 x 7)
Final Exam	10%
Term Paper	10%

A	93-100%	B-	80-82%	D+	67-69%
A-	90-93%	C+	77-79%	D	63-66%
B+	87-89%	C	73-76%	D-	60-62%
B	83-86%	C-	70-72%	F	0-59%

Moodle

- This course uses online supplement, *moodle*. <http://umonline.umt.edu/>
- All homework assignments and supplement materials (data and handouts) are posted here.
- The moodle contents are subject to change due to possible updates.

Participation points

Participation points include attendance, in-class performances and pop quizzes.

Homework Assignments

General Information

- Homework assignments are posted on Moodle.
- Homework is due in the beginning of the class of the due date.
- You are encouraged to submit your homework assignments on Moodle as a PDF file. (Please avoid sending it to me via email). You may submit your work as hard copy if you wish as long as the files are printable ones.
- Every homework assignment is graded for its *quality*. Most of them require you to sit and think for *many hours*. These assignments do not involve simple and repetitive work. Be ready to dedicate your time for every assignment. Take it seriously.

Expectations Regarding Homework Assignments

- Your homework assignments **must be typed**. Use **Doulos SIL Compact** for IPA and other phonetic symbols. Computers in labs NAC 014, SS 258 and SS 262 have the fonts installed. (Contact me about other labs on campus.) You may download and install this font in your own computer. (To download free Doulos SIL Compact font, go to <http://www.sil.org/>. Or use Typeit at <http://ipa.typeit.org/full/>.)
- **Late assignments** are not considered for full points. It may be considered for full points if the excuse follows the university's policy (University related events, injury, etc.). If your excuse is valid, contact me before due date. In case of emergency, contact me as soon as possible. When your work is turned in late, assume that your score will be about 50% lower than your originally earned score.
- All homework assignments except for the first two involve data analyses. For HW3, HW6 and Final Exam, you must provide your analysis in a *paper format* which we call "write-up." This follows the writing style in the recent phonology field which you may study by yourself reading phonological articles and/or the textbook.
- We will go over two writing samples in the first few weeks. You need to use them as models. The way you present your analysis may change when we cover different theories and topics in class. You are expected to keep the basic style, yet to be creative in showing your points to be made.

Questions Regarding Homework Assignments

- I am available for questions on clarification of the data and direction (terminology, symbols, phrasing, etc.).
- You may also ask questions on lecture clarification, and theories relevant to the assignment.
- I guide you but do not think for you. Improving your problem solving skills is a part of the exercise. For your write-up assignments, you will be graded on how you present and explain your thinking process. Getting a right answer is only a part of the grading criteria.

Term Paper (Graduate students)

- Write a research paper on *phonological data analysis*. You are encouraged to work on an unfamiliar language consulting its descriptive grammar book (avoid using a pedagogical grammar). For your theoretical framework, use one or combination of the following theories: Rule-ordering, Autosegmental Theory, Metrical Theory, and Optimality Theory. 15 page max., including references, double spaced. (References and illustrations are single spaced).
- If you wish to receive direction and comments on your work, there are two opportunities to turn in:
 - Data including (i) data, (ii) data description, (iii) generalization, (iv) theoretical account proposal and (v) references (3 page max. single spaced) by **November 14th (M)**
 - First draft by **November 28th (M)**

Textbooks**Required:**

- Ladefoged, Peter and Keith Johnson. (2011). *A Course in Phonetics*. 6th edition. Wadsworth Cengage Learning. [L&J] (Bookstore)
- Roca, Iggy and Wyn Johnson. (1999). *A Course in Phonology*. Cambridge: Blackwell. [R&J] (Bookstore)
- Archangeli, Diana. (1997). "Optimality Theory: An Introduction to Linguistics in the 1990s" IN *Optimality Theory: An Overview*. Diana Archangeli and Terry Langendoen, eds. MA: Blackwell. (Moodle)

Recommended:

- Pullman and Ladusaw. (1986). *Phonetic Symbol Guide*. Chicago Press. (Bookstore)
- Kagar, Renee. (1999). *Optimality Theory*. Cambridge. (Bookstore)

Suggested readings

- Hayes, Bruce. (2009). *Introductory Phonology*. First Edition. Wiley-Blackwell.
- Catford, J. C. (2001). *A Practical Introduction to Phonetics*. Second Edition. Oxford.
- Kenstowicz, Michael. (1994) *Phonology in Generative Grammar*. Cambridge: Blackwell Publishers.
- McCarthy John & Alan Prince. (1993) "Prosodic morphology I: constraint interaction and satisfaction", ms., University of Massachusetts & Rutgers University.

NAC 014 Use Policy: Classroom and Student Lab Shared Uses

The Land and Culture Lab, NAC 014, is designed first and foremost as a classroom and as such it is to be scheduled following the Cobell scheduling guidelines. The room will also be available as a student lab for several hours each week. Each semester these hours will be clearly posted. During this time UM students can use the lab and we will have a lab monitor present. During these lab hours classes/meetings will NOT be scheduled. During the remaining hours students will not be permitted to use the room as an open lab.

Fall 2016 Lab Hours: TBA.

Accommodation: DSS Service (<http://www.umt.edu/disability>)

The University of Montana assures equal access to instruction through collaboration between students with disabilities, instructors, and Disability Services for Students (DSS). If you think you may have a disability adversely affecting your academic performance, and you have not already registered with DSS, please contact DSS in Lommason 154. I will work with you and DSS to provide an appropriate accommodation.

Schedule (Tentative)

This is a tentative schedule: any change will be announced.

	Dates	Topic (Handouts)	Concepts & Data	Readings	Due
1	Aug. 29 Aug. 31 Sep. 2	0 Introduction & Preparation 1 Articulatory phonetics	<i>Preparation</i> <i>Articulatory Phonetics</i> <i>IPA Chart, Transcription</i>	[R&J] Ch1 [L&J] 1-102	
2	Sep. 5 Sep. 7 Sep. 9	No Class <i>Labor Day</i> 2 Acoustic phonetics	<i>Formants</i> <i>Frequencies</i>	[L&J] 1-102 [L&J] 136-216	HW1 Transcription (W)
3	Sep. 12 Sep. 14 Sep. 16	2 Acoustic phonetics (cont.) 3 Phonemics	<i>Measurements</i> <i>Vowel Plotting</i> <i>Angas & Kongo</i>	[L&J] 136-216	HW2 Vowel Plotting (F)
4	Sep. 19 Sep. 21 Sep. 23	4 Distinctive Features	<i>Ewe Liquids</i> <i>Phonological neutralizations</i> <i>German Obstruents</i>	[R&J] Ch2&3	
5	Sep. 26 Sep. 28 Sep. 30	4 Distinctive Features (cont.)	<i>Feature Charts</i> <i>Natural Classes</i> <i>Georgian/ Write-up(Georgian)</i>	[R&J] Ch4	
6	Oct. 3 Oct. 5 Oct. 7		<i>Spanish</i> <i>Underspecification</i>	[R&J] Ch14&Ch6	HW3 Natural Class & GL.Eskimo Write-up (F)
7	Oct. 10 Oct. 12 Oct. 14	Measurements in Praat Self-study Self-study	<i>Akan</i> <i>Turkish</i> <i>Nisgha</i>	[R&J] Ch17	
8	Oct. 17 Oct. 19 Oct. 21	5 Feature & Autosegmental Theory	<i>Autosegmental Theory & Feature</i> <i>Tone, Feature Geometry</i>		HW4 Prominence (W)
9	Oct. 24 Oct. 26 Oct. 28	5 Feature & Autosegmental Theory (cont.) 6 Rule Ordering	<i>Rule Ordering, Serbo-Croatian</i> <i>Write-up Croatian</i>	[R&J] Ch18	HW5 Nisgha (F)
10	Oct. 31 Nov. 2 Nov. 4	6 Rule Ordering, Feeding & Bleeding (cont.) 7 Syllables & Syllabification	<i>Feeding and Bleeding</i> <i>Basque, Tagalog</i>	[R&J] Ch9&10	
11	Nov. 7 Nov. 9 Nov. 11	7 Syllables & Syllabification (cont.) No Class <i>Veterans Day</i>	<i>Syllabification, Sonority</i> <i>Templatic Analysis</i> <i>Metrical Theory</i>	[R&J] Ch12&13	HW6 Lamba Write-up (F)
12	Nov. 14 Nov. 16 Nov. 18	8 Metrical Phonology	<i>Stress assignments</i> <i>Asymmetric Typology</i>		Data/descript/account(Grad)
13	Nov. 21 Nov. 23 Nov. 25	9 Optimality Theory No Class <i>Travel Day</i> No Class <i>Thanksgiving Week</i>	<i>Parallelism and Functional Unity</i>	Archangeli [R&J] Ch19	
14	Nov. 28 Nov. 30 Dec. 2	9 Optimality Theory	<i>OT Basic concepts</i> <i>Parallelism and Functional Unity</i> <i>Metrical Constraints</i>		HW 7 Creek /1 st Draft (Grad)
15	Dec. 5 Dec. 7 Dec. 9	9 Optimality Theory (cont.)	<i>More OT</i>		
	Dec. 12 Dec. 19	TBA Mon. 10AM (SS212)			Final Exam/ Paper (Grad)