LINGUISTICS 471/571
Phonetics and Phonology
University of Montana, Fall 2017

Syllabus

Time:	MWF 9:00am – 9:50am	Office:	SS 212
Place:	NAC 014 (Land/Culture Lab)	Office hours:	W 11:00-11:50, R 12:30-1:20 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	10%
Homework 1~6 (drop 1)	50% (10 x 5)
Quizzes 1~7 (drop 1)	30% (5 x 6)
Final Exam	10%

Graduate*:*

Participation	6%
Homework 1~6 (drop 1)	50% (10 x 5)
Quizzes 1~7 (drop 1)	24% (4 x 6)
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%

*Participation points include attendance and in-class performances.

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.

HOMEWORK ASSIGNMENTS

General Information

- Homework assignments are posted on Moodle.
- Homework is due in the beginning of the class of the due date.
- Please submit your homework assignments on Moodle as a PDF file. (Please avoid sending it to me via email).
- 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 Times New Roman (or Times). There are several ways to include IPA symbols in your typed work. The easiest way would be to use **Typeit** at http://ipa.typeit.org/full/. You can copy and paste symbols you select there. When you do it, highlight your IPA and shift them to Times New Roman. You can also try **IPA character picker** at https://r12a.github.io/pickers/ipa/. If you like to have IPA fonts installed in your computer, I recommend you to use **Doulos SIL Compact**. You may download and install this font in your own computer. To download free Doulos SIL Compact font, go to http://www.sil.org/. Contact me about computers in the labs on campus if you use them to do your work.
- **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. Late assignment without any arrangement but turned in within the following week, your score will be about 20% lower than your originally earned score. If your work is turned in later than that, it will not be accepted.
- When assignments involve data analyses and are indicated "write-up," you must provide your analysis in a *paper format.* This follows the writing style in the recent phonology field which you may also 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.

Quizzes

- Bring color pens to class when there is a quiz. You will be given a worksheet to work on – use a black pen or pencil. Then I will go over the questions and you will mark your own sheet with a color pen. Grades are given in combination of participation and quality.
- For each quiz, you will earn at least 70% by participating in taking it. Scores higher than 70% will depend on the quality of your answers and how you marked your own sheet. Ideally, the sheet will be marked to help you learn further. E.g., write additional notes besides correct answers.
- Taking the quiz later (i.e., makeup quiz), if taken, will provide only the participation point (70%).

TERM PAPER (GRADUATE STUDENTS)

- Write a research paper on *phonological data analysis*. You are required 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 (5 page max. double spaced) by **November 3rd (F)**
  - First draft by **November 19th (F)**
  - Final draft is due **December 14th (R)**

TEXTBOOKS

Required:

Ladefoged, Peter and Keith Johnson. (2011). A Course in Phonetics. 6th edition.Wadsworth Cengage Learning. [L&J] (Bookstore)

Kennedy, Robert. (2017) Phonology: A Coursebook. Cambridge. (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.

Roca, Iggy and Wyn Johnson. (1999). *A Course in Phonology*. Cambridge: Blackwell. [R&J]

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 2017 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	Quizzes & Assignment due dates
1	Sep. 1	0 Introduction & Preparation	introduction, preparation	[L&J] 1-102	
2	Sep. 4 Sep. 6 Sep. 8	**No Class** *Labor Day* 1 Articulatory phonetics 1 Articulatory phonetics	 articulatory phonetics IPA Chart, transcription	 [L&J] 1-102	
3	Sep. 11 Sep. 13 Sep. 15	2 Acoustic phonetics 2 Acoustic phonetics 2 Acoustic phonetics	formants, frequencies measurements, vowel plotting	[L&J] 136-216	**Q1:** vocal tract & charts (M) **HW1** Transcription (W)
4	Sep. 18 Sep. 20 Sep. 22	2 Acoustic phonetics 2 Acoustic phonetics 3 Phonemics	 [segment/spectrogram] allophones & allopmorphs	 [K Ch1-3]	**HW2** Vowel Plotting (W)
5	Sep. 25 Sep. 27 Sep. 29	3 Phonemics 3 Phonemics 4 Distinctive Features & Natural Class	*Angas, Congo, Ewe* neutralizations, *German* obst. feature charts, natural classes	[K Ch5] [K Ch5] [K Ch6]	**Q2:** Consonants (M) **HW3** Measuring suprasegmentals (W)
6	Oct. 2 Oct. 4 Oct. 6	4 Distinctive Features & Natural Class 4 Distinctive Features & Natural Class 6 Rule Ordering, Feeding/Bleeding	*Georgian/* write-up*(Georgian)* *Spanish*, underspecification rule ordering	[K Ch6] [K Ch6] [K Ch7]	**HW4** Natural Class & Greenlandic Write-up (W)
7	Oct. 9 Oct. 11 Oct. 13	6 Rule Ordering, Feeding/Bleeding 6 Rule Ordering, Feeding/Bleeding 6 Rule Ordering, Feeding/Bleeding	*Serbo-Croatian*, write-up feeding-bleeding *Basque, Tagalog*	[K Ch7] [K Ch7] [K Ch7]	**Q3:** Distinctive features (M)
8	Oct. 16 Oct. 18 Oct. 20	5 Autosegmental Theory 5 Autosegmental Theory TBA	autosegmental theory, tone, *Mixtecan* features, feature geometry	[K Ch9] [K Ch4] [K 329-336]	**HW5** Lamba Write-up (W)
9	Oct. 23 Oct. 25 Oct. 27	5 Autosegmental Theory 5 Autosegmental Theory 5 Autosegmental Theory	*Turkish* *Akan* *Mari (Eastern Cheremis)*	[K 329-336] [K 329-336] [K 329-336]	**Q4:** Autosegmental Theory (M)
10	Oct. 30 Nov. 1 Nov. 3	7 Syllables & Syllabification 7 Syllables & Syllabification 7 Syllables & Syllabification	syllabification, sonority *Lebanese Arabic, Berber* templatic analysis	[K Ch8] [K Ch8] [K Ch8]	**HW6** Nisgha (W) Grad's data for feedback (F)
11	Nov. 6 Nov. 8 Nov. 10	7 Syllables & Syllabification 8 Metrical Phonology **No Class** *Veterans Day*	syllable reps metrical theory, stress analysis	[K Ch8] [K Ch10]	**Q5:** Syllables (M)
12	Nov. 13 Nov. 15 Nov. 19	8 Metrical Phonology 8 Metrical Phonology 9 Optimality Theory	asymmetric typology *Creek*	[K Ch10] [K Ch10] [K336-355]	**Q6:** Metrical Phonology (W) Grad's draft for feedback 2 (F)
13	Nov. 20 Nov. 22 Nov. 24	9 Optimality Theory **No Class** *Travel Day* **No Class** *Thanksgiving Week*	OT basic concepts	Archangeli	
14	Nov. 27 Nov. 29 Dec. 1	9 Optimality Theory 9 Optimality Theory 9 Optimality Theory	parallelism and functional Unity *Indonesian* metrical constraints	[K336-355] [K336-355] [K336-355]	**Q7**: OT (W)
15	Dec. 4 Dec. 6 Dec. 8	9 Optimality Theory 9 Optimality Theory 10 Summary	more OT		
	Dec. 11 Dec. 14	TBA Thu. 10AM (SS212)			**Final Exam/ Paper (Grad)**