University of Florida at Gainesville Linguistics Department 4131 Turlington Hall

#### Phonology 2 Lin 6341

T 8<sup>th</sup>(3-3:50pm) in Matherly 51 & Thursday 7-8<sup>th</sup> (1:55-3:50pm) in Turlington 2303

Professor Caroline Wiltshire E-mail: <u>wiltshir@ufl.edu</u> E-learning: <u>http://elearning.ufl.edu</u> Turlington 4123 Office phone: (352) 294-7448

**Student/Office Hours:** Tuesday 9<sup>th</sup> (4:05-4:55pm), Wednesday 2<sup>nd</sup> (8:30-9:20am), Friday 4<sup>th</sup> (10:40-11:30am) and by appointment

### **Overview:**

This course builds on Phonology 1, extending the Optimality Theory of Prince & Smolensky (1993). We examine general issues of markedness, typology and syllable structure, as well as focusing on issues of interest to the students: tone and the morphology/phonology interface. We will discuss developments to Optimality Theory including gradual learning, weighted constraints, and optimal paradigms, and will investigate specific aspects as necessary for specific phenomena as they arise during the semester. Students will conduct their own research throughout the course, resulting in a research paper using OT.

**Prerequisite**: Lin 6323 (Phonology 1)

Goals: To practice organizing and analyzing data using Optimality Theory, To engage with original research papers, practice critical reading, verbal discussion, and presentations, and To learn to do original research in phonology and in OT.

Hence the following assessment tools:

Assessment % of cou	rse grade
Homeworks: due 1/24, 2/14	20
Discussion leader: lead discussions of articles in class (twice)	20
Research Paper: 2/28 proposal & readings (~1 page)	5
4/2 Individual consultation	5
<b>4/16 or 4/18</b> present your paper as a work in progress (likely 30-40 minutes presentation)	10
5/2 paper & abstract due (20 -25 pages)	30
Discussion/Participation throughout the course	10

Grading:	92-100 = A	89-91.9 = A-	86-88.9 = B+	82-85.9 = B
-	79-81.9 = B-	76-78.9 = C+	72-75.9 = C	69-71.9 = C-
	66-68.9 = D+	62-65.9 = D	58-61.9 = D-	Below 58 = E

UF's policy of GPA points for grades:

http://www.registrar.ufl.edu/catalog/policies/regulationgrades.html

### **Details on Assessments:**

Homework assignments: will require you to apply Optimality Theory to a few data-based problems, to ensure that everyone has the basics for doing an OT analysis. Due 1/24 & 2/14, 10% each = 20%

**Discussion leaders** lead discussions of articles in two class sections (see readings/schedule). One set of articles has already been chosen, by me, and you will lead discussion of one from this set; you will choose the second article(s) you present on your own, with my approval. 2/19 or 2/21, 4/9 or 4/11: 10% each = 20%

**Research Paper:** Each student will produce an original research paper, intended to be approximately the length and quality of a conference paper (I encourage you to work these into actual conference papers, during or after the course). 5% + 5% + 10% + 30% = 50%**There are several subparts to this assignment.** 

- The first is a **proposal** for your intended research paper, **due 2/28**. I expect approximately one page, stating your general topic, providing a sample of what kind of data you will analyze (or providing the methodology for getting your data), and a short discussion of what issues will be investigated. You should include at least three or four references; more are welcome. I will return your proposal with comments early in spring break. Feel free to run ideas by me earlier, so that your proposal is likely to be appropriate. Among your references, choose one that you would like to present and indicate that on your proposal. 5%
- Individual consultation: I expect you to make an appointment with me for about 20 minutes, whether during class time on 4/2, or outside of class, so that we can discuss your paper, progress, and needs. You will provide a one-page summary of accomplishments to date. There will be no class on 4/2; I'll be in my office.
- Next is a presentation of a paper related to your research, scheduled for a class date between 4/9-4/11, which counts as a discussion leading in the section above. Then you will present your research paper to the class, scheduled for a class date of 4/16 or 4/18. For the presentation, you should prepare a handout or a powerpoint slide show, as if you were presenting at a conference. Your paper (analysis and/or data) does not need to be complete at this point, but the more developed it is, the better feedback your classmates can provide. Practice so that your presentation and discussion of it will take 30-40 minute s.10%
- The **final paper**, due **5/2**, should be approximately 20-25 double-spaced papers, plus a one-page single spaced conference style abstract. We will discuss further requirements as the semester proceeds. **30%**

**Discussion/Participation** throughout the course. You are expected to read all the assignment readings, and come to class informed and prepared to discuss the topic of the day. Absences, lack of participation, or repeated tardiness will result in a lower grade. **10%** 

**Recommended: Attend Conference & Job Talks:** in addition to the usual Thursday seminars, there will be several job talks for our computational search, one with Dr. Kevin Tang who works on Phonetics/Phonology. UF is also hosting the FLYM conference in April, and that sometimes includes talks on phonology. I'll share more information as I get it.

### Lin 6341

## General:

For the Student Honor Code and Student Conduct code, please visit the Dean of Students Office of Judicial Affairs: http://www.dso.ufl.edu/judicial/

Remember you are bound by the UF honor code:

We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment."

You are welcome to work together on homework, in preparing your presentations and finding readings. Anything you turn in should be written independently. You can and should discuss your research papers with each other, but again, the work you submit for a grade should be yours (except where proper citations are supplied of course!).

Late Policy: Let me know as soon as you realize you will be unable to meet a deadline. Assignments are due at the beginning of class on the date listed. Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found in the online catalog at: <u>https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx</u>

**Cell Phone Policy:** Cell phones should be switched to silent/vibrate before class. If you need to leave it on for a specific class (because of a family medical emergency, for example) please notify me before class.

Accommodations for students with disabilities: Students with disabilities requesting accommodations must first register with the Disability Resource Center (352-392-8565, <u>http://www.dso.ufl.edu/drc/</u>) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accomodations. Students with disabilities should follow this procedure as early as possible in the semester.

#### **Course Evaluation Process**

Students are expected to provide feedback on the quality of instruction in this course based on 10 criteria. These evaluations are conducted online at <a href="https://evaluations.ufl.edu">https://evaluations.ufl.edu</a>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available at: <a href="https://evaluations.ufl.edu/results">https://evaluations.ufl.edu/results</a>

# Readings from Textbooks:

- **Kager**, René. 1999. *Optimality Theory*. Cambridge Textbooks in Linguistics. Chapters 1 & 2 posted as pdfs on Canvas. Chapter 3 & 6 will be posted soon.
- Peng, Long. 2013. Analyzing Sound Patterns: An Introduction to Phonology. Cambridge University Press. Chapters 15 & 16 on Yoruba tone asymmetry

# Other Readings

### Phonetics in Phonology

2/14 Steriade, Donca. 2001. The Phonology of Perceptibility Effects: the P-map and its consequences for constraint organization. I posted on Canvas the MS on her website (<u>http://web.mit.edu/linguistics/people/faculty/steriade/publications.html</u>)

### **OT Developments: Learning and Weighted Constraints**

- **2/26-28 Boersma**, Paul and Bruce **Hayes**, 2001, "Empirical Tests of the Gradual Learning Algorithm", *Linguistic Inquiry* 32: 45-86.
- **2/28 Pater**, Joe. 2009. Weighted constraints in Generative Linguistics. *Cognitive Science* 33.999-1035. DOI: 10.1111/j.1551-6709.2009.01047.x

### **OT Developments: Optimal Paradigms**

- 3/12-14 **McCarthy,** John J., 2005. "Optimal paradigms" . *Paradigms in Phonological Theory*. 55. 41 page ms.
- 3/14 **Haddad**, Youssef A., and Caroline **Wiltshire**. 2014. "Paradoxical paradigms in Lebanese Arabic phonology." *Perspectives on Arabic Linguistics* 26. John Benjamins Publishing Co.: 185-209.

**Discussion Readings:** For each, one person will be responsible for presenting the articles' main points and leading the discussion with the class for one class period (~45 minutes). These may also require some background research into aspects of OT not covered in Kager, Peng, or in class. The discussion leader may present this background material as well, while the rest of the class should read and be ready to discuss the articles. I will post them to the e-learning site. You will choose which articles to present during week 7 from the list below.

Later, you will present one article you find (4/9 & 4/11), ideally one that will be useful in your research paper. Let me know your choice first (on your proposal) in case I have any objections or suggestions for background/related reading, and send me a copy so I can post it.

#### Week 7: choose one for 2/19 & 2/21 (if you have another suggestion, let me know!)

Kyungsang Korean. Language Research 54.1: 3-21.

ToneDeLacy, Paul. 2002. The Interaction of Tone and Stress in Optimality Theory.<br/>Phonology 19.1: 1-32.

# Interactions with Morphology

Bermúdez-Otero, Ricardo. 2006. Morphological Structure and Phonological Domains in Spanish Denominal Derivations. In Colina & Martínez-Gil (eds), *Optimality-theoretic studies in Spanish phonology*. Benjamins, pp. 278-311
Fabb, Nigel, 1988. English Suffixation is constrained Only by Selectional Restrictions. *Natural Language and Linguistic Theory*, Vol 6.4: 527-539.
Gafos, Adamantios. 2003. Greenberg's Asymmetry in Arabic: A Consequence of Stems in Paradigms. *Language* 79: 317-355.
Yun, Suyeon, 2018. Morphologically Conditioned Phonological Asymmetries in

#### **Optional Additional Reading for getting started on your papers**

- *The Cambridge Handbook of Phonology.* 2007. Paul de Lacy, ed. Cambridge University Press, and the *Handbook of Phonological Theory.* 1995. J. Goldsmith, ed., Blackwell Publishers: These "handbooks" are comprehensive collections of review articles by some of the best phonologists around; I recommend them as a place to get started in your research. The theoretical approaches vary, and most in the Blackwell version are pre-OT, but they discuss the topics that phonology should address so you can get an idea of the issues.
- *Optimality Theory in Phonology: A Reader.* 2004. J. McCarthy, ed., Blackwell Publishing. A more recent collection of articles; many of these cover topics in your Kager book but are written by the original researchers in the area. Some of the articles go beyond what we can cover in class.
- *Constraints in Phonological Acquisition. 2004.* Rene Kager, Joe Pater, and Wim Zonneveld, eds. Cambridge. and *Phonology and Second Language Acquisition.* 2008. Jette Hansen Edwards and Mary Zampini, eds. Benjamins. Both of these are collections of articles of varying quality and relevance.

Some software (freeware) to check out:

OT Help: available at <u>http://web.linguist.umass.edu/~OT</u>Help/ with a user manual available through the Rutgers archive: ROA 928-1007, Direct link: <u>http://roa.rutgers.edu/view.php3?roa=928</u>

This is a Java-based program that will find a constraint ranking or weighting consistent with the data provided by the user, if a solution exists. If will also find the set of possible languages, given the set of constraints, so that you can explore typological questions.

PRAAT: available at <a href="http://www.fon.hum.uva.nl/praat/">http://www.fon.hum.uva.nl/praat/</a>

Although primarily used for phonetic analysis, PRAAT can also run learning programs a la Boersma and Hayes 2001.

<b>Course Detail</b>	S	SPRING 2019	Wiltshire Lin 6341
Week/Dates	Assignment		Topic(s)
	Reading	HW/Assignment	
1 1/7 M	Syllabus		Overview
1/10 Th	Kager Ch. 1		Review OT
2 1/15 Tu	Kager Ch. 2		Typology: *NC effects
1/17 Th			
3 1/22 Tu	Kager Ch. 3		Syllables
1/24 Th		HW 1 (due 1/24)	
4 1/29 Tu	Peng: Ch 15		Yoruba Tone: derivational
1/31 Th	Peng: Ch 16		Yoruba Tone: optimality theory
5 2/5 Tu	Kager Ch. 6		Output-Output and
2/7 Th			Morphology-Phonology
6 2/12 Tu	. (		Critical Reading/Research
2/14 Th	Steriade 2001	HW 2 (due 2/14)	Phonetics in Phonology
7 2/19 Tu	Choose from list above	Presentations of articles you	Tone, Morphology-Phonology
2/21 Th		choose	interactions: 3 students
8 2/26 Tu	Choose from list above	One more article presentation	1 student
2/28 Th	Boesma & Hayes 2001, Pater	Your Proposals	OT developments:
	2009		Learning & Weighting
3/2-3/10	Spring Break		Your choice
9 3/12 Tu	McCarthy 2005		OT Developments:
3/14 Th	Haddad & Wiltshire 2014		Optimal Paradigms
10 3/19 Tu 3/21 Th	Two articles to be determined		TBD
11 3/26 Tu 3/28 Th	Two articles to be determined		TBD
12 4/2 Tu	No Class: meet in office	Individual Consults	
4/4 Th	Your article choices 1,2	Presentations of articles related to	Two students
13 4/9 Tu	Your article choices 3	your research	One student
4/11 Th	Your article choices 4 &	One more article, and one	Two students
	Research presentation 1	presentation of your own research	
14 4/16 Tu	Research presentations 2	Presentation of your own research	One student
4/18 Th	Research presentations 3,4		Two students
15 4/22 Tu			Summary & look ahead
16 5/2 Th	final paper due noon	in my office or mailbox; always welcon	ne earlier!