

**LINGUISTICS 603 – GENERATIVE PHONOLOGY
FALL 2019 TENTATIVE SYLLABUS**

DETAILS

meeting: MW 1:25pm – 2:40pm
instructor: Gaja Jarosz
office: Integrated Learning Center, N410
email: jarosz@linguist.umass.edu
office hours: W 11:30-12:30 or by appointment

OVERVIEW

This is the first course in a two-semester sequence in phonology, oriented primarily toward graduate students in linguistics, though other interested participants are welcome with the instructor's consent. The primary goal of the course sequence (603 and 606) is to prepare you to do research in phonology. A major emphasis in this course will be on Optimality Theory (OT: Prince and Smolensky 1993/2004) and its variants. We will survey OT's foundational principles, its formal architecture, and the results it has achieved. We will also discuss the motivations for various modifications and extensions of OT and for alternative phonological frameworks. There will be an emphasis on theory development and comparison: a major goal of the course is to develop your understanding of the different assumptions and approaches that guide work in phonology today and the consequences that follow from them.

REQUIREMENTS

Reading and Discussion

There will be a reading assignment for each class, which you should have read carefully and thought about before class. Each of you is expected to participate in class discussion.

Homework

There will be regular problem sets. I strongly encourage you to collaborate on the problem sets, discuss the problems, and even work through them together. However, you must write up your solutions to the homework entirely on your own. Homework assignments will be graded not only on factual content but also on clarity and conciseness, both of which are integral to academic writing.

Paper

A major component of the course will be a short term paper (about 10 pages) on some topic in phonology. The process will be broken down into smaller bits, with deadlines spread out over the semester, and will culminate with a presentation of your paper to the class.

TEXTBOOK

The main textbook for the course is *Doing Optimality Theory: Applying Theory To Data* (McCarthy 2008). I abbreviate this text as "DOT" on the schedule of readings. I recommend you purchase this book since we will be covering nearly all of it. It will also be a useful reference later on if you continue to work in phonology:

McCarthy, John J. 2008. *Doing Optimality Theory: Applying Theory to Data*. Malden, MA; Oxford: Blackwell Pub. ISBN: 1405151358

I will supply you with copies of the other readings on the syllabus.

TENTATIVE SCHEDULE: SUBJECT TO CHANGE

Week	Topic	Required Reading
Week 1 Sep 4	Course Overview, OT & Syllables	DOT: 1, Zec (2007): 8-8.3
Week 2 Sep 9 Sep 11	Cont. Targets: Conspiracies & Duplication	Kisseberth 1970 (Pater (1999*))
Week 3 Sep 16 Sep 18	Cont. OT Analysis, RCD, & “Doing OT”	DOT: 2.1-2.5, 2.11
Week 4 Sep 23 Sep 25	Cont. Syllables, Scales, Weighting & Violability	Zec (2007): 8.4-8.6, DOT 4.5, McCarthy (2002): p129-138, (Pater 2016)
Week 5 Sep 30 Oct 2	Writing-Up Analyses (cont) Distributions & ROTB	DOT: 3 DOT: 2.6-2.8, 2.10 (McCarthy (2002): p66-91)
Week 6 Oct 7 Oct 9	Directionality & Constraint Families Factorial Typology & Universals	Lombardi (1999*); DOT 4.6 DOT: 4.1-4.4, 4.7, (5)
Week 7 Oct 15 Oct 16	Typology & Acquisition Learnability	Levelt & van de Vijver (2004) (Pater (1997)) Jarosz (2016): 1-3, (Boersma & Hayes 2001)
Week 8 Oct 21 Oct 23	Goldrick Tutorial? Goldrick Tutorial?	
Week 9 Oct 28 Oct 30	Modeling Acquisition & Universals More on Universals	Jarosz (2010) Hayes & Wilson (2008)
Week 10 Nov 4 Nov 6	Cont. Stress	Jarosz (2017) (Becker et al. 2011) Kager (2007) (Gordon (2011))
Week 11 Nov 11 Nov 13	No Class Stress cont.	
Week 12 Nov 18 Nov 20	Stress in HS Learning Hidden Structure?	Pruitt (2010) (McCarthy (2010)) Jarosz 2016: 4, Jarosz 2019, Moore-Cantwell & Pater (2016)
	THANKSGIVING BREAK	
Week 13 Dec 2 Dec 4	Opacity, SPE Output-Output Correspondence	McCarthy (2007a) (Bakovic (2011), Kiparsky (2000)) (Benua 1999*)
Week 14 Dec 9 Dec 11 Dec 18	Opacity in HS or OT-CC Cont. (presentations about here) Paper due	Excerpts from McCarthy (2007b)

*DOT stands for McCarthy 2008. Readings marked with a * are from McCarthy (2004). Reading in parentheses are suggested, supplemental readings.

SELECT REFERENCES

- Bakovic, Eric. 2011. Opacity and ordering. In John Goldsmith, Alan C.L. Yu & Jason Riggle (eds.), *The handbook of phonological theory*, 40–67. Malden MA: Wiley-Blackwell.
- Becker, Michael, Andrew Nevins, and Nihan Ketrez. 2011. The Surfeit of the Stimulus: Analytic biases filter lexical statistics in Turkish laryngeal alternations. *Language* 87:1, pp. 84–125.
- Boersma, Paul and Bruce Hayes. 2001. Empirical Tests of the Gradual Learning Algorithm. *Linguistic Inquiry* 32:45-86.
- Elfner, Emily. to appear. Stress-epenthesis interactions in Harmonic Serialism. In John McCarthy & Joe Pater (eds.), *Harmonic Grammar and Harmonic Serialism*, London: Equinox.
- Hayes B, Wilson C. 2008. A Maximum Entropy Model of Phonotactics and Phonotactic Learning. *Linguistic Inquiry*. 39(3):379–440
- Jarosz, Gaja. 2010. Implicational Markedness and Frequency in Constraint-Based Computational Models of Phonological Learning. *Journal of Child Language* 37(3), Special Issue on Computational Models of Child Language Learning:565-606.
- Jarosz, Gaja. 2013. Learning with hidden structure in Optimality Theory and Harmonic Grammar: Beyond robust interpretive parsing. *Phonology*, 30(1):27–71.
- Jarosz, Gaja. 2014. Serial Markedness Reduction. Proceedings of 2013 Annual Meetings on Phonology 1(1), Amherst, MA.
- Jarosz, Gaja. 2016. Computational Models of Learning with Violable Constraints. In *The Oxford Handbook of Developmental Linguistics*, ed. Jeff Lidz, William Snyder, and Joe Pater. Oxford University Press.
- Jarosz G. 2017. Defying the stimulus: acquisition of complex onsets in Polish. *Phonology*. 34(2):269–98
- Jarosz, Gaja. 2019. Computational Modeling of Phonological Learning. To appear in *Annual Review of Linguistics* (5).
- Kager, René. 2007. Feet and metrical stress. In P. de Lacy (ed.), *The Cambridge Handbook of Phonology*, 195-227. Cambridge, UK: Cambridge University Press.
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- Kisseberth, Charles. 1970. On the functional unity of phonological rules. *Linguistic Inquiry* 1(3). 291–306.
- Levelt, Clara, and Ruben van de Vijver. 2004. Syllable types in cross-linguistic and developmental grammars. In R. Kager, J. Pater, W. Zonneveld, (eds.), *Fixing Priorities: Constraints in Phonological Acquisition*. Cambridge University Press.
- Lombardi, Linda. 1999*. Positional Faithfulness and Voicing Assimilation in Optimality Theory. *Natural Language and Linguistic Theory*, 267-302. [reprinted in McCarthy 2004]
- McCarthy, John. 2002. *A Thematic Guide to Optimality Theory*. Cambridge: Cambridge University Press.
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- McCarthy, John. 2007a. Derivations and levels of representation. In P. de Lacy (ed.), *The Cambridge Handbook of Phonology*. Cambridge: Cambridge University Press.
- McCarthy, John. 2007b. *Hidden generalizations : phonological opacity in optimality theory*. Oakville, CT and London: Equinox.

- McCarthy, John. 2008. *Doing Optimality Theory: Applying Theory to Data*. Malden, MA ; Oxford: Blackwell Pub.
- McCarthy, John. 2010. An introduction to Harmonic Serialism. *Language and Linguistics Compass* **3**. 1-18.
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- Pater, Joe. 2016. Universal grammar with weighted constraints. In John McCarthy & Joe Pater (eds.), *Harmonic Grammar and Harmonic Serialism*, London: Equinox.