

Syllabus: Phonological Theory II

Instructor: Bruce Hayes 2101G Campbell Hall W 825-9507, H (310) 557-1927 bhayes@humnet.ucla.edu Mailbox in 3125 Campbell	Office Hours: T 11-12, W 2-3 Classroom: Campbell 2101K
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Prerequisite: Linguistics 200A

Requirements:

- doing the readings
- class participation
- about 8 homeworks, some of which will be requirements to make an abstract of the current reading. 45% of your grade.
- a term paper, on any topic in phonology, due 3/20 (Friday of Finals Week). 35% of grade.
- two appointments with me, graded credit/no credit, in which we talk about your term paper project. Each appointment is 5% of your grade, with less credit if you're late.

Collaborating on homeworks is encouraged; but you have to write up your own version.

Description: This is the second course of the UCLA graduate sequence in phonological theory. It covers

- Optimality Theory
- prosodic morphology
- phonology as a learning problem
- the origin of phonological constraints (innate, induction from the language, phonetics)
- syntactic effects in phonology

You are encouraged to come by with questions. These can include questions on the problem sets if you've already made a serious attack on them first. For short questions, I am often drop-in-on-able; for longer discussions, please make an appointment. Also, you are pretty sure to find me during my office hours (T 11-12, W 2-3).

Readings: I will post them in PDF form to the course web site, which is at <http://www.linguistics.ucla.edu/people/hayes/201>. In the case of textbook material, I'll have a bunch of hard copies made.

Rules and Regulations

- Please communicate with me if you need to hand anything in late.
- Please hand in all course work in *hard copy*, not electronically.
 - In exceptional cases (e.g. you're out of town) I will do the work of printing out and stapling your work for you.

First Assignments

- McCarthy reading, handed out
- McCarthy study guide questions, due Thursday, 1/7
- Ilokano problem, due Tuesday, 1/12

Topics and readings for the quarter

These are tentative and subject to change, in part from student input.

When a reading is officially picked for the course, I will post or Xerox it.

1. Optimality Theory in greater depth

Factorial typology; contrast and phonotactics in OT, the uses of the Rich Base idea

- 2 extracts from John McCarthy (2002) *A Thematic Guide to Optimality Theory* (pp. 3-47, 68-75, 142-152)

2. OT as a theory of language learning

- Tesar and Smolensky (2000), *Learnability in Optimality Theory*, pp. 1-6, 19-46.

3. OT and variation

- **Sociolinguistic method:** William Labov (1972) "The isolation of contextual styles", pp. 70-102. From his *Sociolinguistic Patterns*, University of Pennsylvania Press.
- **Pure optionality:** extract from Paul Boersma and Bruce Hayes (2001) "Empirical tests of the Gradual Learning Algorithm," *Linguistic Inquiry*
- **Lexical variation:** Hayes, Bruce and Zsuzsa Londe (2006) "Stochastic phonological knowledge: the case of Hungarian vowel harmony," *Phonology* 23:59-104.

4. Phonology and phonetics

- **Phonologically based phonetics**
Undecided; perhaps the rule chapter from Beckman and Pierrehumbert 1988, *Japanese Tone Structure*; work on phonetics of Level I/Level II
- **Phonetically based phonology:**
 - **Orientation:** Bruce Hayes and Donca Steriade, "Introduction: the phonetic bases of phonological markedness," in Hayes/Kirchner/Steriade (2004) *Phonetically Based Phonology*
 - **Case study:** Donca Steriade (2001), "Directional asymmetries in place assimilation: a perceptual account"
 - **Dispersion theory:** Edward Flemming (2004) "Contrast and perceptual distinctiveness," in Hayes, Steriade and Kirchner, *Phonetically Based Phonology*
 - Locality theory: paper by Gick, Pulleyblank et al.
- **Analytic bias and channel bias, and experiments to test them:**
 - Elliott Moreton (to appear) Analytic bias and phonological typology
 - possibly current work on Hungarian by Zuraw/Hayes

5. Phonological opacity and its treatments

- **Orientation:** extract from Kager text, ch. 9, "Residual issues", pp. 372-400.
- **Candidate chain theory:** recent papers by McCarthy; and Colin Wilson's riposte

6. Morphological bases

- **Multidirectionality of derivation:** Miriam Ernestus and Harald Baayen (2003) “Predicting the unpredictable: interpreting neutralized segments in Dutch,” *Language* 79:5-38.
- **What is derived from what?** Steriade on inflectional bases in Rumanian, Albright on bases in paradigms

7. Prosodic Morphology

- **Orientation:** Extract from Kager text, Ch. 5: “Correspondence in reduplication”
- **Are there templates?** Generalized template theory and refutations by Gouskova, Caballero

8. Syntax/phonology interface (if time)

- **Orientation:** extract from Hayes (1989) “The Prosodic Hierarchy in meter”
- **Phrasing in OT:** Hubert Truckenbrodt (1999) “On the relation between syntactic phrases and phonological phrases,” *Linguistic Inquiry* 30: 219-255.