Phonology II (stochastic phonological knowledge)  
음운론연구2 (108.717)  
Jongho Jun  
Fall 2014

Syllabus

Time  
Wednesdays 10am – 1pm

Place  
2-320

Office Hours  
TBA & by appointment (office: 3-407)

E-mail/ Phone  
jongho@snu.ac.kr / 880-6169

Prerequisite: Phonology I from last semester (or any comparable courses)

Some basic knowledge of Optimality Theory is necessary.

Description & Goals

This is the second half of an introduction to the graduate level phonology. Last semester we have discussed several different phonological theories beginning from the early generative phonology model proposed in SPE: syllable theory, autosegmental phonology, metrical stress theories, underspecification theories, articulatory phonology, and Optimality Theory (OT). Among them, we have focused on OT which is currently the predominant theory in the field of phonology. OT is a general framework which can be independent of most previous phonological theories. We have been mainly concerned with how previous analyses can be translated into OT and whether OT analyses have advantages or disadvantages compared to the analyses of other theories.

In the first half of this semester we will discuss topics like Prosodic Morphology, correspondence theories, morphology-phonology interactions, opacity and Non-Derived Environment Blocking effect (NDEB). The second half of the course covers stochastic phonological knowledge and variation in phonology. The first half of the course will proceed at a rather fast pace so that the students can be exposed to the material of the latter topic as early in the semester as possible. Specific topics will be shown below in the class schedule although both topics and schedule may change depending on how we progress.

Like last semester, we will be mainly concerned with standard OT, focusing on how it differs in the analysis of phonological data under consideration from alternative theories such as the following:

✔ Rule-based theories
✔ serial versions of OT such as Stratal OT and Harmonic Serialism
✔ Stochastic OT
✔ OT-like theories with constraint weights: Harmonic Grammar and Maximum Entropy Grammar

We will also discuss in class how to use the programs, shown below, for implementing some of the above grammar models and the related learning algorithms:

✔ OTSoft (http://www.linguistics.ucla.edu/people/hayes/otsoft/)
✔ OT-Help (http://people.umass.edu/othelp/)
✔ Praat (http://www.fon.hum.uva.nl/praat/)
✔ Maxent Grammar Tool
  (http://www.linguistics.ucla.edu/people/hayes/MaxentGrammarTool/)

Readings

Required Texts  

Supplementary texts  
Gussenhoven, Carlos and Haille Jacobs (2011) *Understanding Phonology*. 3rd
ed.) London: Hodder Education.

**Additional required readings**
- If a paper discussed in class can be downloaded from the Web, I will just inform you of the Web address. Otherwise, its electronic copy will be sent to you by email.

**Rutgers Optimality Archive (ROA)**
- Many useful OT papers can be downloaded from [http://roa.rutgers.edu](http://roa.rutgers.edu).

**Requirements**
- a. Homework assignments (20%)
- b. A final term paper and its presentation (50%)
- c. Readings and class participation (20%)
- d. Lead discussion of one paper in the required reading list (10%)

In the next class I will let you know whether (d) is a requirement for this course.

**Final term paper**
- Select topic and meet with me by Oct. 29.
- Submit a one-page outline of the paper: due on Nov. 26.
- Paper Presentation: Dec. 10
- Paper Due: Dec. 15

**Readings and class participation**
- If you have any questions on the required reading papers and the problem, you can talk to me. For short questions, you can call me; for longer discussions, you can either take my office hours or make an appointment with me. E-mail may be useful for both purposes. Surely, you can come by my office with questions.

**Tentative Class Schedule** (Ken = Kenstowicz 1994)

<table>
<thead>
<tr>
<th>Week</th>
<th>Topics</th>
<th>Readings</th>
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| 1. 9/3 | Introduction
Prosodic Morphology (PM) | Ken ch. 11 |
| 2. 9/10 | holiday | |
| 3. 9/17 | PM in OT | Kager ch. 5 |
| 4. 9/24 | Lexical phonology | Ken ch. 5 |
| 5. 10/1 | Cyclicity in OT: Output-Output correspondence | Kager ch. 6 |
| 8. 10/22 | Opacity: OT-CC
Staratal OT | Kager ch. 9.2; McCarthy (2007), Kiparsky (2000) |
| 10. 11/5 | Overview of variation | Coetzee & Pater 2011 |
| 13. 11/26 | Lexical variation | Zuraw (2010) |
| 14. 12/3 | Weighted constraints | Pater et al. (2012) |
| 15. 12/10 | Paper presentation | |
| | | Paper Due (12/15) |
Bibliography

OT (classic papers)

(Output-to-output) Correspondence
Myers, James (1999) Lexical phonology and the lexicon. [ROA-330-0699]

Opacity in OT; Serial OT approaches

Stochastic phonological knowledge; variation in OT


