Phonetics in Phonology

This course examines research which explores the hypothesis that (certain) phonological phenomena are grounded in phonetic principles, such as perception, production, and speech processing. Weekly class meetings discuss readings and critically assess their proposals. Some of the topics at issue are as follows:

- What are the phonological phenomena for which a phonetic basis has been proposed?
- What is the nature of “phonetic knowledge” in phonology? Is it direct or indirect? Innate or inductively learned?
- How are phonetically-based principles represented in phonology synchronically?
- How do phonetically-based principles shape phonological grammar diachronically?
- What are the predictions of phonetically-based approaches to phonology?

The course will center around selections from the collection of readings contained in Hayes et al. (2004) plus a number of related works, as detailed in the syllabus below.

Course Requirements

- Class participation and readings (25%). Class participants are asked to come to class with a question or comment about that week’s reading(s).
- Presentation of a reading in class with handout (25%). A list of suggested readings to select from is given below. Please meet with me by October 3 to agree on the reading that you will present.
- A research paper on a topic involving the role of phonetics in phonology (50%). Requirements for the research project are as follows:
  - Initial abstract of a research paper.
  - Class presentation with a handout outlining data and your analysis,
  - Final version of research paper, which takes into account comments received by class participants.
Weekly readings will be available for copy in the linguistics department. Many can also be downloaded free from the authors’ websites.

Approximate syllabus:

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<th>Week</th>
<th>Topics/papers</th>
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| Week 1     | *Introduction*  
| Week 2     | *Licensing-by-Cue I*  
| 8/29       | Steriade (1995), Chapters 1–2                                                |
| Week 3     | *Licensing-by-Cue II*  
| Week 4     | *The origin of phonetically based constraints I*  
| Week 5     | *The origin of phonetically based constraints II*  
| 9/19       | Hayes (1999)                                                                 |
| Week 6     | *Vowel patterns I*  
| Week 7     | *Vowel patterns II*  
| 10/3       | Crosswhite (2004)                                                            |
| Week 8     | *Vowel patterns III*  
| 10/10      | Walker (2005)                                                                |
| Week 9     | Student reading presentations                                                |
| 10/17      |                                                                             |
| Week 10    | Student reading presentations                                                |
| 10/24      |                                                                             |
| Week 11    | *Contrast*  
| 10/31      | Flemming (2004)                                                               |
| Week 12    | *Lenition*  
| 11/7       | Kirchner (2004)                                                               |
| abstracts due |                                                     |
| Week 13    | Joint Meeting with UCLA Phonology Seminar                                    |
| 11/14      |                                                                             |
| Week 14    | *Metathesis*  
| Week 15    | Student research paper presentations  
| TBA        | (Date/time TBA)                                                               |
| 12/12      | Term paper due                                                               |
Required readings:
Hayes, Bruce, Robert Kirchner, and Donca Steriade (eds.). (2004). *Phonetically Based Phonology*. Cambridge: Cambridge University Press.

Some suggested readings for presentations: