

Linguistics 111: Intonation

Winter 2006

Class: Mondays & Wednesdays 11-12:50pm, Kaufman 153

Instructor: Sun-Ah Jun

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Office hours: Tuesday 2-3, Wednesday 4-5, and by appointment

Course description: In this class, we will learn a phonological model of intonation for English and other languages. The course will concentrate on transcribing English intonation, based on ToBI (Tones and Break Indices), a standard system for transcribing English intonation contour and prosodic structure. It will also cover issues in intonational form and meaning, and its relationship to focus and the meaning of different tunes. Comparable phenomena and issues in other languages, especially Japanese and Korean, (and possibly French if time allowed) will be introduced.

Each class combines lecture and lab exercises. *PitchWorks*, speech analysis program, will be used for analyzing intonation, and speech files are accessible in CLICC labs and the Phonetics Lab. (NB: Bruin OnLine account is needed to access the facilities in CLICC lab).

Prerequisites: Ling 20, 103, Ling 120A or 120B. Recommended: Ling 104/204

Textbook: *Intonation* (A Course Reader. Can be purchased at the ASUCLA bookstore, \$39.00)

For graduate students, more readings are assigned and articles are available on the reserve shelf in Dept. Reading Room, 2125 Campbell Hall.

Optional textbook: *Intonational Phonology*, Robert Ladd (1996), Cambridge Univ. Press - recommended to graduate students

On Reserve at Young Research Library: *Prosodic Typology: The Phonology of Intonation and Phrasing* (2005), ed. by S.-A. Jun. Oxford Univ. Press

Course requirements

- Five homework assignments, mostly based on lab exercises (50% for undergraduates, 35% for graduate students). Graduate students will be assigned additional problems. Typically, each assignment will be out on Wednesday and due a week later at the beginning of the class. Late homework will get half credit at most (but no credit if it's later than class discussion).
- Midterm exam (15%)
- 10-minute individual production exam during finals week (10%)
- Final exam (25%) -- for undergraduates only
- Individual term project (40%) -- required for graduate students (optional for undergraduates). Students are urged to discuss their project topics with the instructor before week 7.

Possible project topics:

- a. a phonological model of intonation of a dialect, regional or social or ethnic, etc. of any language whose standard dialect has already been described in intonational phonology (visit ToBI homepage: www.ling.ohio-state.edu/~tobi).
- b. a phonological model of intonation of any language whose analysis is not done in intonational phonology framework.

- c. describe and analyze intonation of speech which triggers special discourse meaning/function compared with that of the neutral speech. This will include but not limited to political speech, announcement, advertisement, answering machine speech, or sorority/fraternity, or any social group speech.
 - d. any other work on linguistics involving analysis of intonation. Ex. the role of intonation in the interpretation of focus, topic, or scope of quantifier, etc., Relation between intonational phrasing and syntactic phrasing, Intonation in children's speech, Motherese, second language learners' speech, brain damaged patients' speech, etc.
- Data: for 'a', 'c' and part of 'd' type topics, one or two paragraph (15-20 lines) speech produced by one speaker from each group (control & experiment group); for 'b' and part of 'd' type topics, a short dialogue (15-20 lines) produced by two speakers from the same group.

Tentative Schedule

Readings after 'U' are for both undergraduates and graduates while readings after 'G' are for graduates. Readings within parentheses are further related references.

week 1 (1/9, 11): Introduction: Intonation and its representation:

Phonological model of English intonation

Readings: U – Beckman (1993); Beckman & Pierrehumbert (1986) - about English only

G - Ladd (1996) ch.1

(Ladd (1992, 1996 ch.2); Ladd and Cutler (1983) p.1-10; Bolinger (1958); Crystal (1969); Pierrehumbert (1980); Cruttenden (1997))

week 2 (1/(16), 18): ToBI system

Lab: presence of accent; simple pitch accents - **Assignment I out**

Readings: U - Beckman & Ayers (1994) sec. 1.2-1.5; Beckman & Hirschberg (1994)

Beckman, Hirschberg, & Shattuck-Hufnagel (2005)

G - Ladd (1996) ch.3

(Silverman & Pierrehumbert (1990); Silverman et al. (1992b))

week 3 (1/23, 25): ToBI system – pitch accents

Lab: Complex pitch accents I - **Assignment II out**

Readings: U - Beckman & Ayers (1997) sections 2.1-2.2

G - Pierrehumbert & Steele (1989)

(Petrelli, Beckman, & Hirschberg (1994); Beckman (1996))

week 4 (1/30, 2/1): Intonational tune and its meaning

Lab: Complex pitch accents II - **Assignment III out**

Readings: U - Beckman & Ayers (1997) sections 2.1-2.2, 2-6-2.8;

Pierrehumbert & Hirschberg (1990)

G - Ward & Hirschberg (1985) (Hirschberg & Ward (1995))

week 5 (2/6, 8): Phrasing and focus

Lab: Phrasal accent and Intonational boundary tone

Readings: U - Beckman & Ayers (1997) 2.3-2.5\

G - Ladd (1996) 6.1 & 6.2

(Ladd (1980) ch.4; Cohen et al. (1982); Ladd (1996) 6.3; Ladd (1986));

Pierrehumbert & Beckman (1988) pp.233-239; Silverman et al. (1992a))

week 6 (2/13, 15): Durational Correlates of Prosodic Structure

Lab: Break Indices - **Assignment IV out**

Readings: U, G - Beckman & Ayers (1997) section 3; Weightman et al. (1992)

(Price et al. (1991); Ladd & Campbell (1991))

Midterm: May 10

week 7 (2/(20), 22): Break Index; Pitch Range and Discourse Structure

Lab: labelling the miscellaneous tier - **Assignment V out**

Readings: U - Beckman & Ayers (1997) sec. 2.9-2.11 & 4

G - Liberman & Pierrehumbert (1984); Hirschberg & Pierrehumbert (1986)

(Grosz & Hirschberg (1990); Terken & Hirschberg (1994); Swerts & Geluykens

(1994); Ladd (1994); Hayes (1994); Ayers (1994); Ladd (1996, ch.7))

week 8 (2/27, 3/1): Cross-language Comparison of Intonation; Japanese Intonation

Lab: Japanese ToBI

Readings: U - Venditti (1995); Beckman & Pierrehumbert (1986) - Japanese part;

G - Pierrehumbert & Beckman (1988) ch.2

(P & B (1988) chs. 1 & 3; Kubozono (1989); Maekawa (1994); Venditti &

Swerts (1996); Venditti (2004))

week 9 (3/6, 8): Korean Intonation, French Intonation, and other languages

Lab: Korean ToBI, French model, Farsi, Spanish, Malagasy

Readings: U, G - Jun (2005); Jun & Fougeron (2002)

(Jun (1993, ch. 2; 1998; 2000); de Jong (1994); Ladd (1996) ch.4; Lee & Lee

(1996); Lee & Kim (1998); Hirst & Di Cristo (1984); Di Cristo (1999); Jun &

Fougeron 1995)

week 10 (3/13, 15): Review; Final exam on March 15 (Wed)

*** 10-minute oral exam during the exam week.**

*** Project due on Wednesday (March 22), 2pm, of the exam week.**

Turn in the project report and a diskette/CD (speech data with intonation transcribed)

References

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