

# Linguistics 203 -- Introduction to Linguistic Analysis -- Autumn, 2013

**Large Meeting:** (#32845) Friday 11:15 – 12:30 Wylie 005

**Small Meetings:**

11:15 – 12:30 (#32847) – Woodburn 005      11:15 – 12:30 (#32848) – Sycamore 001

2:30 – 3:20 (#32849) – Ballantine 107      3:35 – 4:25 (#32850) – Kirkwood 200

YOU MUST BE ENROLLED IN BOTH SMALL & LARGE MEETINGS.

Wednesday sections in November (labeled ‘Syntax Lab’ in the schedule below) will meet in STC clusters which we will announce as the time approaches.

**Instructors:**      Ken de Jong                      Seth Wood                      Michael McGuire  
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Office Hours will be determined in consultation with the class during the first week  
Mm404  
Phone: 856-1307

Assistant Instructor: Eric Benzschawel, email: ericbenz@...

Or leave message:              322 Memorial Hall (Department Office)      Phone # 855-6456

**Course Goal:** Linguistics 203 has been designed to lead students into a sharper awareness of the structure and nature of language by introducing them to the nuts and bolts of linguistic analysis. Particularly in this class we will do two things, focusing on how to construct models of two portions of a language. The first part will investigate how languages harness human sound-producing capabilities to signal information. The second part of the course will focus on how to model (mostly English) sentence and word grammar.

**Outcomes:** In the first part of the course, we will learn how to represent the dynamic and fluid activities that comprise speech using physical and linguistic representations. We will gather experience reading the physical representations and relating these to linguistic transcription. Finally, we will learn how to create language-specific transcription systems for examples of the world’s languages by categorization analysis.

This section will then yield the following for you:

- you will learn about how representation is a critical aspect of the scientific process
- you will gain experience with two important representational devices used in computational applications, transcription and physical time-series plots
- you will learn how to represent your observations about speech sounds
- you will gather basic skills in analyzing how a language’s sound system works
- you will learn the basics of how to focus on linguistically important aspects of speech
- you will develop further understanding of how the English writing system works

In the second part of the course, we will learn how phrase structure grammars represent the structures in (mostly) English grammar, and will construct implementable grammars in a computational environment.

This section will then yield the following for you:

- you will learn how model architecture is fit to a set of observations, and how it is evaluated
- you will get experience with a basic tool for implementing grammars in computational settings
- you will develop understanding of what is meant by grammatical concepts, like ‘noun’, ‘verb’, ‘subject’, and ‘object’, in the context of linguistic modeling
- you will be able to analyze the hierarchical structure of sentences, as you see them in daily usage
- you will be able to begin generalizing these concepts to other languages you are learning or otherwise encounter.

**Materials:** Readings and handouts will be assigned on a weekly basis as posted on the website:

<http://www.indiana.edu/~l303> (note that the character after the "~" is a lower-case "L", and the number, for historical reasons, is "3"). This site posts notes and props for the class periods (updated a week in advance of the class period in which they are used), and readings in the course text:

*Language Files*, OSU Department of Linguistics, 11<sup>th</sup> ed.

**Requirements:**

**Part 1: Written Assignments:** Throughout the semester, you can expect weekly assignments to be posted on *oncourse* (under the 'big' **Section 32845**) no later than Friday of the previous week. Assignments will usually involve performing analyses of aspects of a language. Each assignment will have a due date, normally in your Wednesday section. Unless otherwise noted, work will be expected to be turned in at that time. Late homework will be accepted for half credit, but not later than one week after the due date. While consulting with one another is good, you must do your own analysis and write-up; copied homework will not be given credit.

**Part 2: Grammar Project:** During the second half of the course, several incremental assignments will involve implementing a simple computer model of English sentence structure. Assignments will be given out in the Wednesday sections, and will be given a due date, usually before the beginning of the following week. Late assignments will not be accepted. You must keep up with these assignments to be able to complete the project.

**Exams** -- There will be one mid-term, two quizzes, and a final, all given in our Friday meeting place. Each exam will concentrate on the immediately preceding material. The final might be cumulative. Exam days are marked on the calendar -- make up exams will not be given, except in the case of real emergency. In such cases, you must contact me before the exam.

**Grading** -- grades will be determined in the following fashion:

Grammar project :	14%
Homework projects :	24%
Mid-term	22%
Quizzes: (2 X 9) =	18%
Final:	22%

It is a bad idea to skip assignments. If you work out the math, you'll find that skipping assignments has ugly consequences.

(E.g., even if you get 100% on everything else – which is unlikely, skipping 38% of the grade yields a maximum of 62%, which is a D). Grades will be changed only for arithmetic or clerical errors. A 1% adjustment (upward *or* downward) may be made in the final grade based on your involvement in class meetings.

**Calendar:** next page.

Note especially, exam dates, which are fixed. Topics covered each day are subject to change, though my experience suggests that they are fairly likely to be accurate.

Week	Monday	Wednesday	Friday
1	26 <i>Introduction</i> Language	28 <i>Introduction</i> Languages & Science	30 <i>Introduction</i> Observation & Theory
2	2 LABOR DAY A Class-free Day	4 <i>Phonetics &amp; Phonology</i> Acoustics	6 <i>Phonetics &amp; Phonology</i> Modeling & Representation
3	9 <i>Phonetics &amp; Phonology</i> Categorization	11 <i>Phonetics &amp; Phonology</i> Consonant Classification	13 <i>Phonetics &amp; Phonology</i> Information Reduction & Transcription
4	16 <i>Phonetics &amp; Phonology</i> Transcription	18 <i>Phonetics &amp; Phonology</i> Transcribing	20 <i>Phonetics &amp; Phonology</i> The Alphabetic Model
5	23 <i>Phonetics &amp; Phonology</i> Phonemes, Combinatorics, and Constraints	25 <i>Phonetics &amp; Phonology</i> Cross Classification	27 – <b>QUIZ #1</b> <i>Phonetics &amp; Phonology</i> Distributional Analysis
6	30 <i>Phonetics &amp; Phonology</i> Phonemic Analysis	2 <i>Phonetics &amp; Phonology</i> Phonemic Analysis	4 <i>Phonetics &amp; Phonology</i> Cross-language Comparison
7	7 <i>Phonetics &amp; Phonology</i> Phonemic Systems	9 <i>Phonetics &amp; Phonology</i> Phonemic Systems	11 <i>Phonetics &amp; Phonology</i> Orthographic Systems
8	14 <i>Morphology &amp; Syntax</i> Morphemic Analysis	16 <i>Morphology &amp; Syntax</i> Morphological Rules	18 FALL BREAK Time to Break your Fall
9	21 <i>Morphology &amp; Syntax</i> Morphological Derivations	23 <i>Morphology &amp; Syntax</i> Morphological Analysis	25 <b>EXAM</b>
10	28 <i>Morphology &amp; Syntax</i> Morpho-syntactic Frames	30 <i>Morphology &amp; Syntax</i> Morpho-syntactic Categorization	1 <i>Morphology &amp; Syntax</i> Constituency
11	4 <i>Morphology &amp; Syntax</i> Constituency Tests	6 <i>Syntax Lab</i> Introduction	8 <i>Morphology &amp; Syntax</i> Trees, Parsing & Generation
12	11 <i>Morphology &amp; Syntax</i> Constituency and Tree Structure	13 <i>Syntax Lab</i> Writing Rules	15 – <b>QUIZ #2</b> <i>Morphology &amp; Syntax</i> Phrase Structure Grammars
13	18 <i>Morphology &amp; Syntax</i> Phrase Structure Analysis	20 <i>Syntax Lab</i> Recursion & Embedding	22 <i>Morphology &amp; Syntax</i> Syntactic Relations & Complex Sentences
	THANKSGIVING BREAK		
14	2 <i>Morphology &amp; Syntax</i> Agreement & Government	4 <i>Syntax Lab</i> Agreement & Government	6 <i>Morphology &amp; Syntax</i> A Tour of Languages
15	9 <i>Morphology &amp; Syntax</i> Remaining Issues	11 Review	13 <i>Morphology &amp; Syntax</i> Grammatical Models
		<b>18: Final Exam: 5 – 7 PM</b>	

