Course Schedule  
(SUBJECT TO CHANGE)  

CS4650/CS7650 – Natural Language  
David Novick

Week 1  January 11-15  
Tu 17:30-19:00: Looking at language

Week 2  January 18-22  
Tu 17:30-19:00: Course overview  
Read after class: Jurafsky & Martin ch. 1  
Th 12:30-14:00: Regular expressions and FSA  
Read before class: Jurafsky & Martin ch. 2

Week 3  January 25-29  
Tu 17:30-19:00: Intro to Python  
Suggested reading: Bird, Klein & Loper ch. 1  
Th 12:30-14:00: Corpora, how to write a précis  
Suggested reading: Bird, Klein & Loper, chs. 2 & 3

Week 4  February 1-5  
Tu 17:30-19:00: N-grams  
Read before class: Jurafsky & Martin ch. 4  
Th 12:30-14:00: Tagging in nltk  
Suggested reading: Bird, Klein & Loper, chs. 4 & 5  
Due: PA 0: Intro to Python

Week 5  February 8-12  
Tu 17:30-19:00: POS tagging  
Read before class: Jurafsky & Martin ch. 5  
Th 12:30-14:00: Classification  
Read before class: Bird, Klein & Loper ch 6

Week 6  February 15-19  
Th 12:30-14:00: Review for midterm  
Due: PA 1 (POS tagging)  
Th 12:30-14:00: Midterm 1

Week 7  February 22-26  Recess

Week 8  March 1-5  
Tu 17:30-19:00: CFGs and parsing  
Read before class: Jurafsky & Martin ch. 12  
Th 12:30-14:00: Parsing in nltk; choosing a research paper to report  
Suggested reading: Bird, Klein & Loper ch. 8
Week 9 March 8-12
Tu 17:30-19:00: Semantics
   Read before class: Jurafsky & Martin ch 17
   Due: PA 3 (parsing)
Th 12:30-14:00: Semantics in nltk
   Suggested reading: Bird, Klein & Loper ch. 10
   Due (grad students): Proposed research paper

Week 10 March 15-19
Tu 17:30-19:00: Computational semantics
   Read before class: Jurafsky & Martin ch 18
Th 12:30-14:00: Discussion of research papers

Week 11 March 22-26
Tu 17:30-19:00: Lexical semantics
   Read before class: Jurafsky & Martin ch 19
   Due (grad students): Précis of research paper
   Due: PA 4 (semantics)
Th 12:30-14:00: Applications of NLP
   Read before class: Handouts

Week 12 March 29 – April 2
Tu 17:30-19:00: Computational lexical semantics
   Read before class: Jurafsky & Martin ch 20
Th 12:30-14:00: Introduction to machine learning
   Suggested reading: Bird, Klein & Loper ch. 6

Week 13 April 5-9
Tu 17:30-19:00: Discourse
   Read before class: Jurafsky & Martin ch 21
   Due: PA 5 (lexical semantics)
Th 12:30-14:00: TBD

Week 14 April 12-16
Tu 17:30-19:00: Dialog
   Read before class: Jurafsky & Martin ch 24
Th 12:30-14:00: Research in discourse and dialog; how to give a talk
   Read before class: Handouts

Week 15 April 19-23
Tu 17:30-19:00: Review for midterms
   Due: PA 6 (extra credit: machine learning)
Th 12:30-14:00: Midterm 2

Week 16 April 26-30
Tu 17:30-19:00: Research paper talks
Th 08:00-09:30: Research paper talks

Finals Week May 3-7