

C SC 620  
Advanced Topics in Natural  
Language Processing

Sandiway Fong

# Natural Language Processing (NLP)

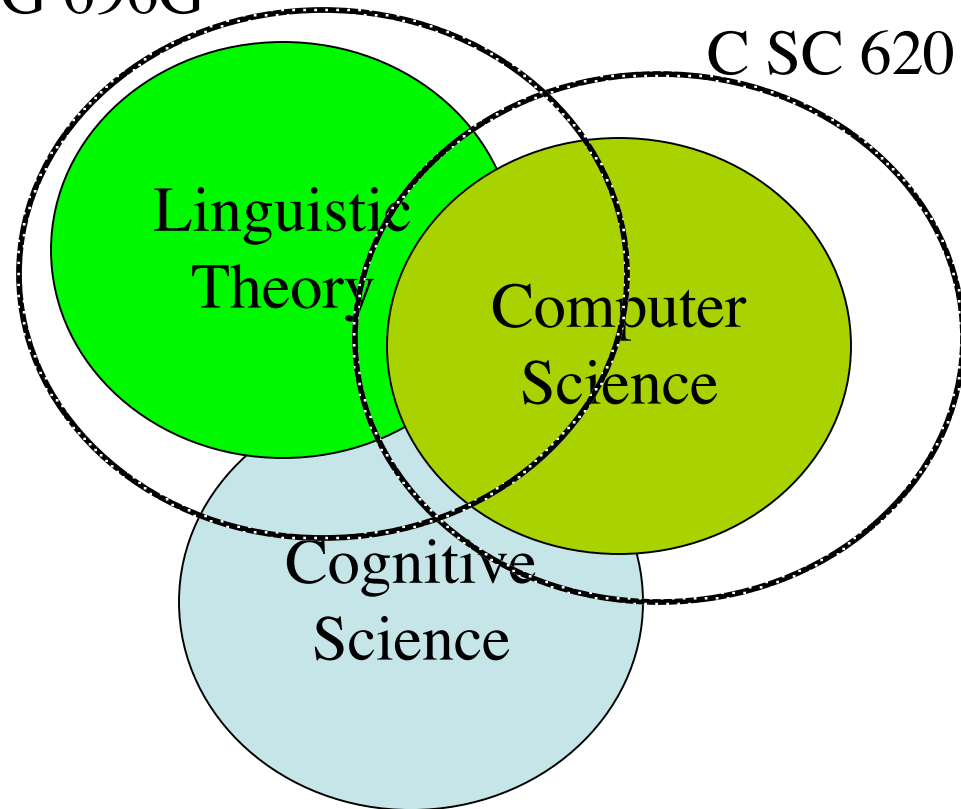
- Very broad, interdisciplinary field:
  - At the intersection of linguistics, computer science, cognitive science ...
- Areas include:
  - Parsing methods and grammar formalisms
  - Machine translation
  - Large-scale resources: corpora, dictionaries, ontologies
  - Information retrieval, classification ...
  - Document processing and summarization
  - etc.

# Scope of Class

- Another computational linguistics seminar class this semester
  - LING 696G
  - Time: Mondays 3-5:30 pm

LING 696G

C SC 620



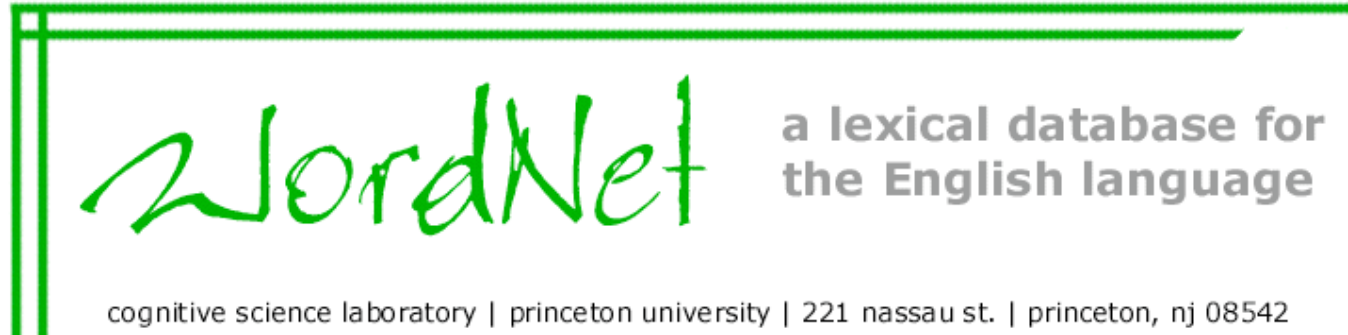
# Administrivia

- Email: [sandiway@email.arizona.edu](mailto:sandiway@email.arizona.edu)
- Course Homepage:
  - Notes, announcements, papers, readings
  - <http://linguistics.arizona.edu/~sandiway/csc620>
    - *not yet set up ...*
- Requirements:
  - Advanced class: seminar format
  - Summarize and present one paper in class for discussion
  - Term project or paper

# Administrivia

- Email me:
  - Name
  - Background
  - Why are you interested in NLP?
  - Specific topics you'd like to see covered?
  - Preferences for class time
    - Available times
    - One class per week or two?

# Start with...



- WordNet:
  - a large-scale ontology-based network for nouns, verbs, adjectives and adverbs
  - Freely available
  - <http://www.cogsci.princeton.edu/~wn/>
  - Download WordNet to your computer
  - Get the 5 core papers
    - *we'll begin looking at them next time*