

**CAS LX 390 /  
GRS LX 690**

**Prof. Paul Hagstrom**

**Fall 2017  
Tue 3:30-6:15**

**Topics in Linguistics:**

# **Natural Language Processing and Computational Linguistics**

Introduction to computational techniques to explore linguistic models and test empirical claims. Serves as an introduction to programming, algorithms, and data structures, focused on modern applications to NLP.

**Topics include:**

- **Tagging and classification**
- **Parsing models**
- **Meaning representation**
- **Information extraction**

**(Previous experience with programming not required; the course will cover basic Python.)**

**Prerequisite: CAS LX 250  
(Introduction to Linguistics)  
or consent of instructor**