

# **CS 481**

## ***Artificial Intelligence Language Understanding***

**January 10, 2023**

# Who am I and how to contact me?

- BSc in Automation in Robotics from AGH University of Science and Technology in Krakow, Poland
- MSc in Computer Science from IIT
- PhD in Computer Science from IIT
- Taught CS481 in Spring 2022,
- E-mail: **dzikjac@iit.edu** (please read this: <https://www.insidehighered.com/views/2015/04/16/advice-students-so-they-dont-sound-silly-emails-essay>)
- **Add to email subject: [CS481 Spring 2023]**
- **Office: Stuart Building 217E**
- **Office hours: Tuesdays / Thursdays 12:40 PM - 01:40 PM CST or by appointment**

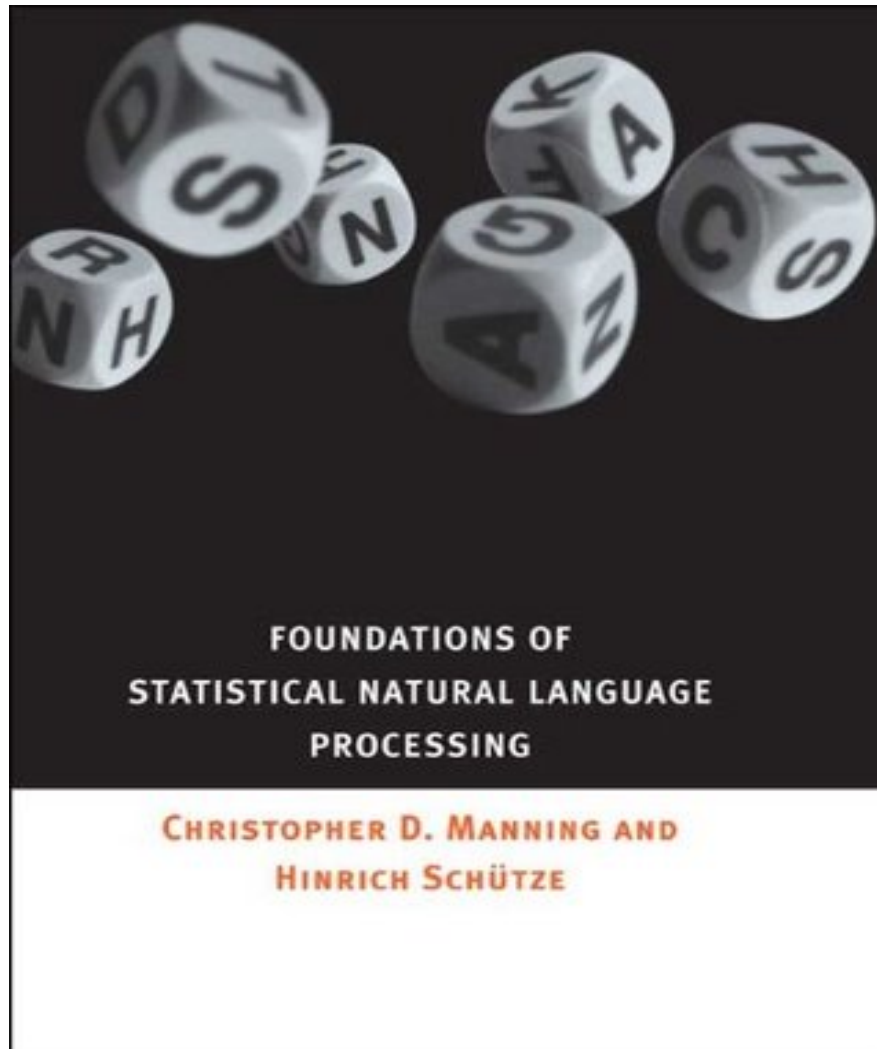
# Plan for Today

- Introduction
- Syllabus
- NO office hours this week

# Course Communication / Materials

- Course materials will be available on Blackboard
- Quizzes - in Blackboard
- Communication - **via Blackboard announcements**

# Optional Textbook



Title:

Foundations of Statistical Natural  
Language Processing

Authors:

Christopher Manning and Hinrich Schutze

ISBN:

9780262133609

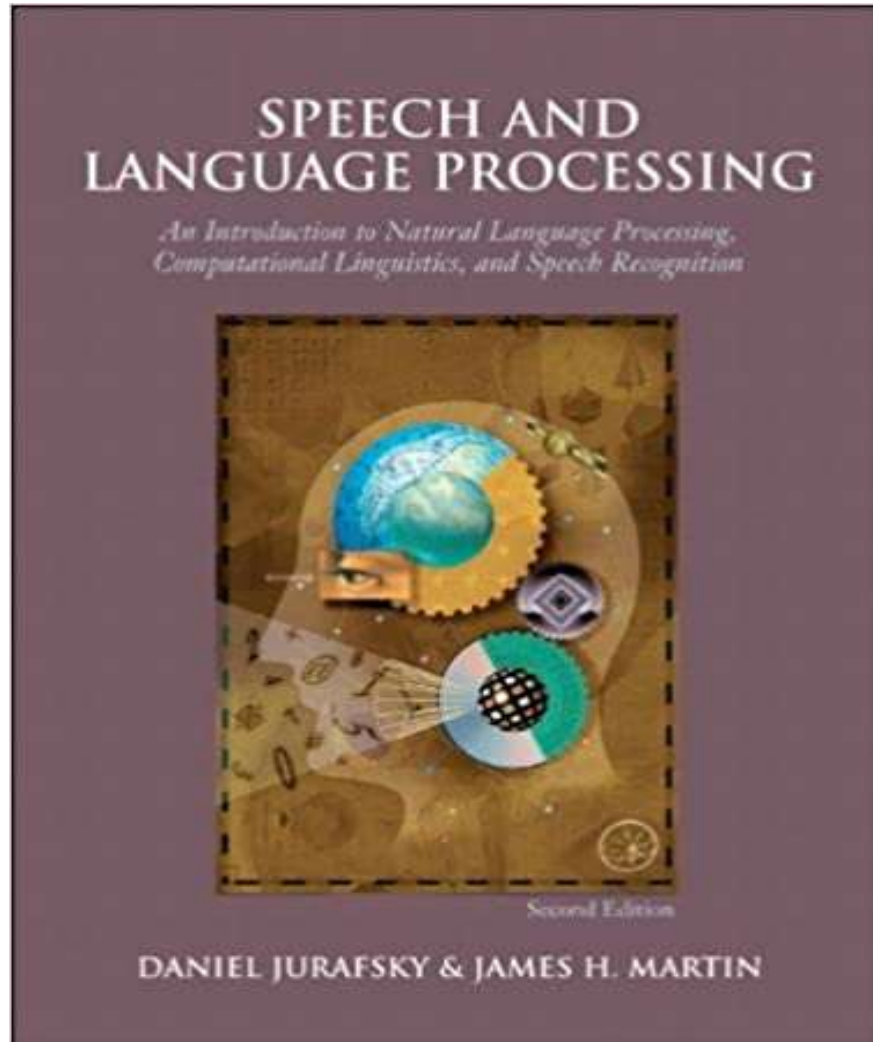
Publisher:

The MIT Press

Published:

June 18, 1999

# Optional Textbook



Title:

Speech and Language Processing  
[2nd Edition]

Authors:

Daniel Jurafsky and James H. Martin

ISBN:

9780131873216

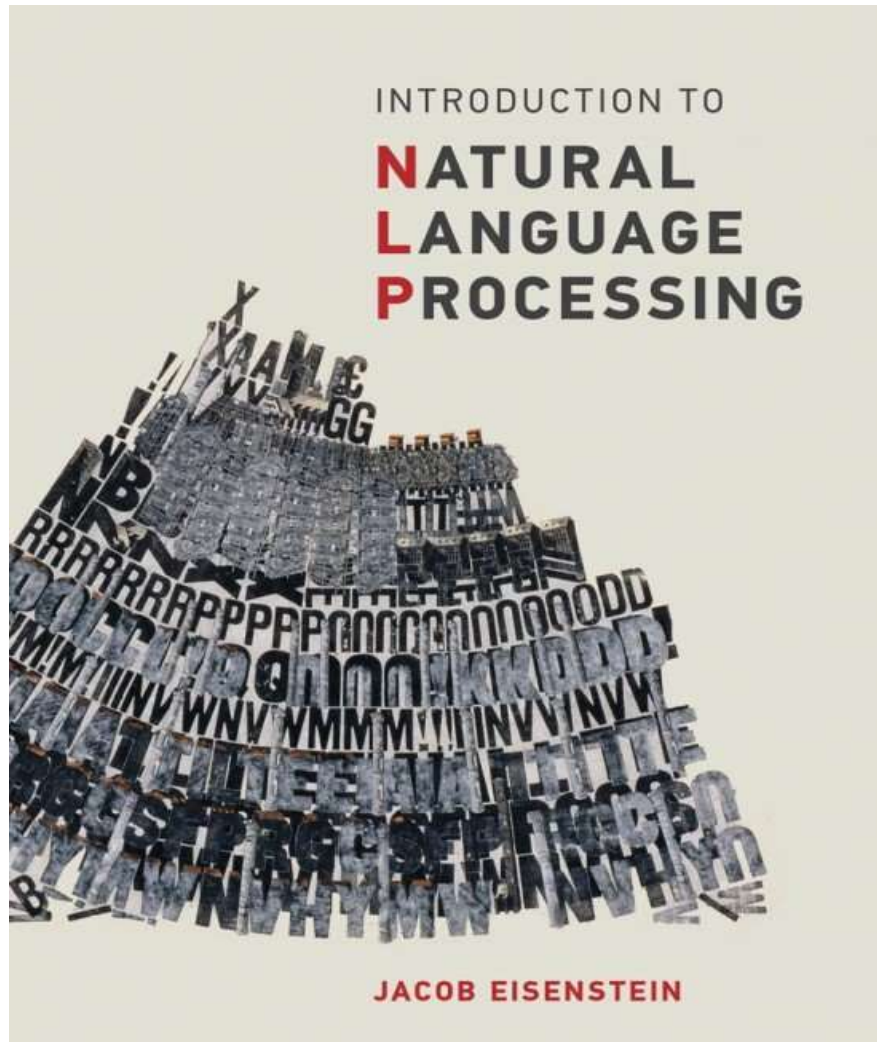
Publisher:

Pearson Prentice Hall

Published:

May 16, 2008

# Optional Textbook



Title:

Introduction to Natural Language  
Processing

Authors:

Jacob Eisenstein

ISBN:

9780262042840

Publisher:

The MIT Press

Published:

September 6, 2019



# Weekly Schedule and Tasks

Recurring meetings:

- Lectures: Tuesdays and Thursdays 01:50 PM CST - 03:05 PM CST in PS 240

Weekly TO DO list:

- Possible reading and viewing (videos) assignments
- Written / programming assignments if any
- Possible quiz: in-class or as a homework (I will announce it earlier)



# What Will You Use / Need?

- Blackboard
- Access to a computer with Python
- Decent math / statistics / programming skills
- Attend the class regularly
- Key CS skills:
  - Data structures (trees, graphs, lists, etc.)
  - Recursion
  - Object-oriented programming
- Problem-solving skills / Abstract thinking
- Curiosity and open mind
- Creativity

**Let's go over the Syllabus now..**