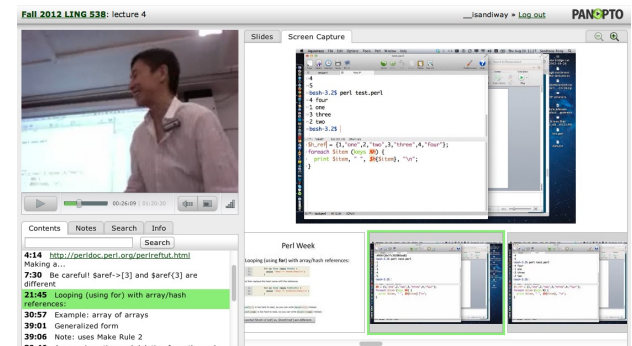


# LING 581 Syllabus

Spring 2024

# Course

- **Webpage for lecture slides:**
  - <http://sandiway.arizona.edu/#courses>
  - available from just before class time
    - (afterwards, look again for corrections/updates)
  - in .pptx (good for animations) and .pdf formats
- **Meeting information**
  - Tuesday-Thursday 9:30am-10:45am.
  - Modern Languages, Rm 203



*not guaranteed not to crash!*

# Accessibility and Accommodations

- At the University of Arizona, we strive to make learning experiences as accessible as possible.
- If you anticipate or experience barriers based on disability or pregnancy, please contact the Disability Resource Center (520-621-3268, <https://drc.arizona.edu/>) to establish reasonable accommodations.

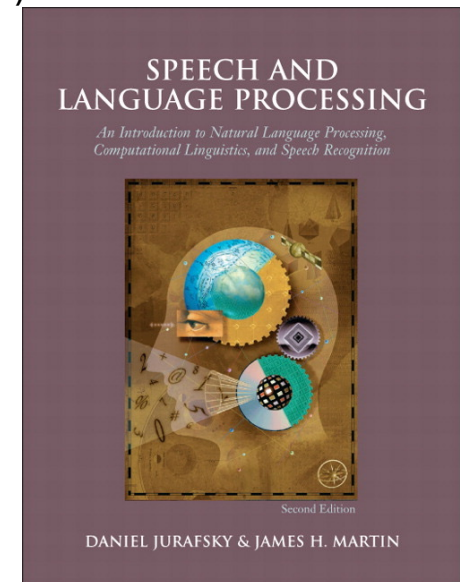
# Course Objectives

- **Follow-on course to LING/C SC/PSYC 538 *Computational Linguistics*:**

- pre-requisite: 538
- continue with some selected material from the 538 textbook (J&M): use the v3 PDF draft
  - *a lot of material was not covered in 438/538*

- **And gain more extensive experience**

- with new stuff **not in textbook**
- dealing with natural language software packages
- Installation, input data formatting
- operation
- project exercises
- useful “real-world” computational experience
- abilities gained will be of value to employers



# Learning Outcomes

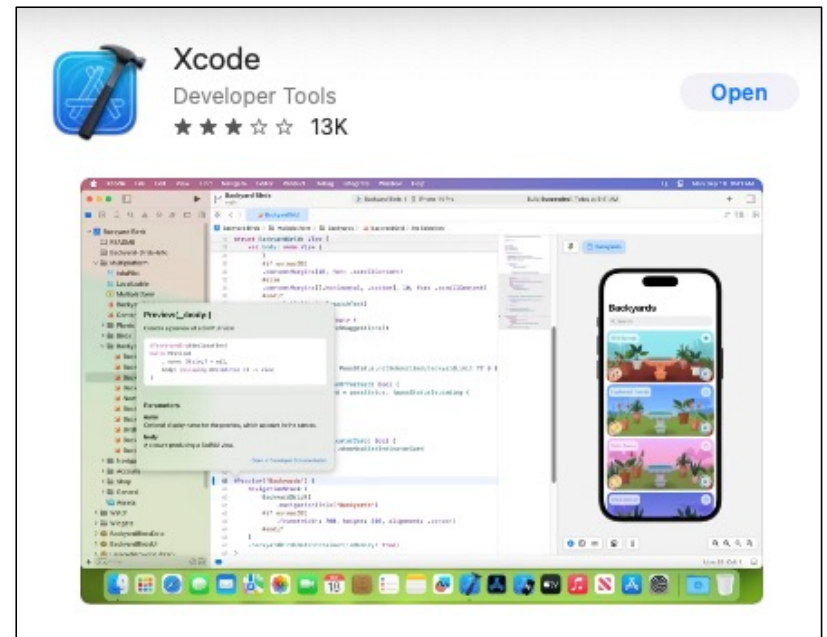
- **Learning outcomes: by the end of the semester, you will have learnt:**
  - to install and deal with natural language software packages (**relates to Linguistics HLT program outcome #3**)
  - to properly (re)format input data (**relates to Linguistics HLT program outcome #1**)
  - to complete projects, providing useful “real-world” computational experience (**relates to Linguistics HLT program outcome #1**)
- These and other abilities gained will be of value to employers

# Computational Requirements

- **Use your own laptop/desktop**
  - just in case you need administrator rights on your machine to get things working right...
- **Platforms**
  - native Windows 10/11 *maybe* possible but unsupported,
  - should install **Windows Subsystem for Linux: WSL2**
    - *(return to this topic in a couple of slides)*
  - MacOS
    - *(see next slide)*

# Computational Requirements

- **Platforms**
  - **Much research software assume Linux**
  - macOS
    - Not quite Linux, some porting issues, especially with C programs.
    - Macports or Homebrew packages (bit like app-get)
    - make sure you have Xcode from the Mac App Store (free) installed
    - then make sure the command line tools component is installed



# Computational Requirements

- **Platforms**

- Windows 10/11 *is* possible, but you really should run some variant of Linux...
- PowerShell can be made to work, but is incompatible with Bash shell scripts
- Install WSL2 under Windows 10/11
- Why?
  - gives you a Bash shell (*with quoting consistent with the lecture slides*)
  - (simultaneously) use Linux under Windows 10 (not dual-booting)
  - can access your Windows C: drive via directory /mnt/c



# Grading

- Satisfactory completion of **all** homework tasks will result in a grade A.
- Tasks typically should be completed before the corresponding class next week.
  - email me your work (sandivay@arizona.edu).
  - also be prepared to present your work (if called upon) in class.
- Office hours (by appointment – Douglass 311):
  - quick question? Hang around after the lecture.
  - longer question? Email me first. We can also meet on Zoom.

# Syllabus

- Homeworks
  - you may discuss questions with other students
  - you can use ChatGPT
  - however, you must write it up yourself (*in your own words, your own code etc.*)
  - cite (web) references, ChatGPT and your classmates (*in the case of discussion*)
  - Student Code of Academic Integrity: *plagiarism* etc.
    - <http://deanofstudents.arizona.edu/codeofacademicintegrity>
- Revisions to the syllabus
  - “the information contained in the course syllabus, other than the grade and absence policies, may be subject to change with reasonable advance notice, as deemed appropriate by the instructor.”

# Administrivia

## Final Examination or Project

- No examinations, e.g. mid-term or final, are scheduled for this course.

## Classroom Behavior Policy

- Students are expected to ask questions in class and to make use of their laptops during class in order to better follow the material and demonstrations, e.g. programming.

## Threatening Behavior Policy

- The UA Threatening Behavior by Students Policy prohibits threats of physical harm to any member of the University community, including to oneself.
- See <http://policy.arizona.edu/education-and-student-affairs/threatening-behavior-students>.

## UA Nondiscrimination and Anti-harassment Policy

- The University is committed to creating and maintaining an environment free of discrimination; see <http://policy.arizona.edu/human-resources/nondiscrimination-and-anti-harassment-policy>.

# Administrivia

- No lectures scheduled on:
  - Tues Feb 27th: I'm away in Japan
  - Thurs Feb 29th: ditto.
  - Tues March 5th: Spring Break
  - Thurs March 7th: Spring Break
- Pre-recorded lecture for Feb 27th
  - Homework also given out.
- Note:
  - any other cancellation dates will be announced in due course