Syllabus and Policies

• Instructor: Dr. Samantha Foley
• Office: 220 Wing
• Office Hours:
  • Monday, Wednesday: 12:30 – 2:30 pm
  • Tuesday, Thursday: 1:00 - 2:00 pm
  • and by appointment
• Communication:
  • D2L: lecture notes, assignment dropboxes, grades
  • Autolab: programming assignment submission
• Additional C and UNIX resources are on my website:
What you will learn

• Basic computer organization
• How to navigate a UNIX-like operating system
• C Programming
• Data representation (binary) and storage
• MIPS Assembly programming

The goal of this course is to develop your understanding of computer organization and the software and hardware systems that support it, how high level code and data is translated into lower level code and data, and how that impacts your use of the system in a high level language.
How CS270 fits into the Curriculum

- CS120, CS220, CS224, CS227, CS340, CS421
- CS475, CS418, CS454, CS470
- CS442
- CS441
- CS270
- CS370
Introductions

• Name

• Year in School

• Choose any one of the following:
  • Name an application of computer science that you find interesting.
  • Name one fun thing you did over the summer/winter break.
  • Name something interesting about yourself.
Course Structure

- Assignments (35%)
- Quizzes (30%)
  - 12 quizzes, lowest 2 dropped
  - No makeups!
- Midterm (15%)
  - Computer organization, UNIX, C
  - Friday, March 9\(^{th}\) (in class)
  - Location: TBD
- Final Exam (20%)
  - Cumulative – but significant focus on second half of the material (data representation and MIPS)
  - CS270-1: Tuesday, May 9\(^{th}\) 7:45 – 9:45am
  - CS270-2: Thursday, May 11\(^{th}\) 7:45 – 9:45am
  - Location: TBD
Assignments

• ~10 assignments
  • Environment setup, C programming, or MIPS programming
  • Typically submitted to Autolab
  • Must compile/assemble and run without crashing
  • Must follow style guidelines

• Late policy:
  • <24 hrs: 15% penalty
  • <48 hrs: 30% penalty
  • >48: no credit or feedback given
Typical Week

- Monday: quiz review, new material
- Wednesday: lab or practice problems
- Friday: discuss week’s material, additional topics, quiz
Tips for Success

• Take notes – and study them
• Ask questions in class and in office hours
• Answer questions asked in class
• Study for quizzes and exams a little bit each day
• Study with peers – practice explaining concepts in written form like you need to do on the exam or quiz
• Keep up with the programming assignments – make sure you know why the program works (or doesn’t)
QUESTIONS?