

Welcome to COMP122

- For the first two weeks of class, attendance will be taken for administrative purposes.
- Students who do not attend classes during the first two weeks are subject to administrative withdrawal.
- You are responsible to record that you have attended class via the following link:

[Attendance Link](#)

Day 1 Agenda

- Greetings and Introductions:
 - First Three Weeks
 - Use of Online Meeting Notes: notes_08_29.md
 - Markdown Cheatsheet: <https://www.markdownguide.org/cheat-sheet/>
- Class Material: <https://github.com/COMP122/comp122-f22>
 - COMP122 Home: [COMP122: Computer Architecture and Assembly Language · GitHub](#)
 - class-material: <https://github.com/COMP122/comp122-f22.git>
 - mars-mips: <http://github.com/COMP122/mars-mips.git>
- Canonical Class Directory: ~/Desktop/classes/comp122
 - Syllabus: syllabus.md
 - Schedule: class-material/administrative/schedule.pdf (subject to change)
 - Assignments: deliverables/assignments.md
 - <https://github.com/COMP122/first-assignment>
- Tools
- Context for the Class

Tools

- Slack: <https://csun-comp-122.slack.com>
- Sublime Editor: Recommended
 - Markdown Language
- First Assignment: <https://github.com/COMP122/first-assignment>
 - Github Classroom
- MARS (MIPS Assembler and Runtime Simulator)
- The missing semester: <https://missing.csail.mit.edu/2020/>
 - The Shell, Shell Tools and Scripting, Command-line Environment
 - Version Control (Git)
 - Editors (vim)

Languages, Compilers, and Hardware:

- Languages
 - Domain Specific
- Compilers & Interpreters
 - Analysis
 - lexicographical
 - syntactical
 - semantics
 - Language Optimization
 - Machine Optimization
 - Translation: TAC → MIPS
- Hardware
 - General Types: Registers / Stack
 - Specific CPU Controls
- CLI: compilation exercise

