Readings are from our textbook, *Computer Organization and Design ARM Edition: The Hardware Software Interface*. Changes to the schedule will be announced in class.

**Resources**

- Syllabus
- Examples from class
- Setting up [ssh](https://cs2810.cs.dixie.edu) to connect to cs2810.cs.dixie.edu without typing a password:
  - [Written instructions](https://cs2810.cs.dixie.edu)
  - [Screencast demo](https://cs2810.cs.dixie.edu) (note, the written instructions are slightly simpler—open that page and follow along while you watch the screencast).
- **Command-line tutorial**

**git and ssh**

- [git book](https://git-scm.com/book)
- [cheat sheet](https://git-scm.com/docs)

**Screencasts**

- [Binary and hexadecimal number systems (Khan Academy)](https://www.khanacademy.org/computing/computer-science/learning-bit-strings/binary-and-hexadecimal-number-systems)
- [Two’s complement review (11:44)](https://www.youtube.com/watch?v=MJz6fTQ8x5g)
- [Float review (13:47)](https://www.youtube.com/watch?v=xU_4tQh87I8)
- [Converting numbers to floats (10:23)](https://www.youtube.com/watch?v=Q8Z0zV2UxO8)
- [Python script to convert 9-bit floats into decimal fractions](https://github.com/leghorn/CS2810-S19/tree/master/example-code/convert-floats)
- [Setting up PuTTY: the best way for Windows users to connect to leghorn](https://cs2810.cs.dixie.edu/setting-up-putty)
- [Setting up ssh: the best way for Linux, macOS, or WSL users to connect to leghorn](https://cs2810.cs.dixie.edu/setting-up-ssh)
- [Getting started with grind and the ARM64 sum function](https://cs2810.cs.dixie.edu/getting-started-with-grind)
- [Example ARM64 problem: wordcount with intro to gdb](https://cs2810.cs.dixie.edu/example-arm64-problem)

**Assembly language**

- [ARM64 assembly language notes](https://cs2810.cs.dixie.edu/assembly-language)
- [ARM64 assembly language notes](https://cs2810.cs.dixie.edu/assembly-language-notes)
- [ARM64 assembly language notes](https://cs2810.cs.dixie.edu/assembly-language-notes-pdf)

**Midterm exam practice**

- [Binary/decimal/hex practice problems](https://cs2810.cs.dixie.edu/binary-decimal-hex-practice)
- [Two’s complement practice problems](https://cs2810.cs.dixie.edu/twos-complement-practice)
- [Float practice problems](https://cs2810.cs.dixie.edu/float-practice)