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
- Command-line tutorial
- Modern Microprocessors: A 90-minute Guide
- GWSL, a tool to make it easy to use graphical apps within WSL

**git and ssh**

- Setting up `ssh` to connect to `cs2810.cs.dixie.edu` without typing a password:
  - Written instructions
  - Screencast demo (note, the written instructions are slightly simpler—open that page and follow along while you watch the screencast).
- `git book`
- cheat sheet
- Screencast on setting up PuTTY on Windows to connect to `cs2810.cs.dixie.edu`

**Learning vim**

- Type `vimtutor` to launch a basic tutorial
- Screencast covering useful ways to enter insert mode

**Screencasts**

- Binary and hexadecimal number systems (Khan Academy)
- Two’s complement review (11:44)
- Float review (13:47)
- Converting numbers to floats (10:23)
- Python script to convert 9-bit floats into decimal fractions

**Assembly language**

- ARM64 assembly language notes [html] [pdf]
- Slides from class
Midterm exam practice

- Binary/decimal/hex practice problems
- Two’s complement practice problems
- Float practice problems