EEL 6935: Introduction to Embedded Systems

General Information

- Required: *Embedded System Design: A Unified Hardware/Software Introduction*
- Not Required: *High Performance Embedded Computing*

Course Information

- Prerequisites
  - Digital logic design
  - Programming experience with C and/or C++
  - Assembly language
  - Basic UNIX/LINUX OS and compiler knowledge
- Reading
  - Textbook
  - Additional reading linked off of course schedule
  - Technical research papers
    - Grad students are now researchers and paper reading is a skill.
    - Presentations on research papers
Course Components

- Homework - 20%
  - No course project, so more time will be spent on homework
  - I will spot grade
  - Solutions will not be posted, but I will have them in my office if you need to see them
- Tests - 70%
  - Midterm 1 - 20%
  - Midterm 2 - 20%
  - Final - 30%

No Class Project

- There will not be a class project
- Book contains excellent labs but this is not a lab course
- Homeworks will be chosen such that you can learn as much as possible about building and optimizing embedded systems

Course Components

- Class Presentation - 10%
  - Groups of 2 or 3 - You may not work alone
  - Each group will present 2-3 papers using a PowerPoint presentation during 1 class period
    - You may choose your topic and papers with instructor approval
    - Each group will be graded collectively as well as individually on the following components:
      - Clarity, technical accuracy and organization