

## ECE 4760: Homework 5

Submit an initial specification and design for your final project. See lab 5 for more details. The total length should be 2 to 5 pages.

We will use this specification to decide whether the project is suitable for the course, and if it has a reasonable probability of success.

This document should include:

- A page describing the project at a high level (e.g. rationale, user interface, functions)
- A paragraph describing the standards (IEEE, ISO, ANSI, etc) relevant to your project.
- A tentative parts cost list.
- A paragraph describing the societal impact of your project. This might include:
  - safety considerations
  - human factors and usability
  - interface design considerations for people with special needs
  - Intellectual property considerations.
  - If you use any RF transmitter, include compliance information with FCC regulations
- A first pass of the program you will write, including:
  - A block diagram or pseudocode
  - Tentative source code (if you have it)
  - A tentative schematic for any hardware you need to build.
  - A parts list with specific parts types, so that we can see if we have the material.

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