# EELE 475 Final Project Requirements

You will need the following items submitted (or demoed) by the project deadline of **12:00 PM (Noon) Thursday December 10, 2015.**

1. **Project Demonstration**: A Project Demo sheet needs to be signed off (next page).
2. **Project Report**: A project Report (doc or pdf file) needs to be submitted to the D2L site.
3. **Project Files**: Your source code needs to be submitted to D2L.

Specific Requirements for these three items are listed below.

**Project Demonstration:** Your project needs to be demonstrated where you show it working in the lab. You will need to explain how your code works. *You will need to make an appointment via email for a 30 minute time slot for the project demo.*

**Project Report:** Your project report needs to have the following sections (in the order listed) and uploaded to the D2L site and placed in the "Project Report" dropbox.

1. **Introduction**
   Write a paragraph about what your project does.
2. **Overview**
   Create a block diagram that gives the "30,000 foot view" of the project. What are the major components in the design? How do they relate to each other?
3. **Hardware/Software Interface**
   Describe the hardware/software interface and how you organized your registers.
   a. A Block diagram that graphically shows the memory offset of your blocks and registers.
   b. A table that lists the registers that are grouped appropriately and relevant information is provided in the columns (base offset, register offset, r/w, etc).
   c. A description for *each* register that shows the bit mappings as well as a description of the registers, what happens on reads and writes, and a description of the data type(s).
   d. A description of what your software does with each of these registers.
4. **Conclusion**
   Make a conclusion and relate your experience regarding the creation and execution of your project.

**Project Files:** Your project source code files must be uploaded and placed in the "Project Code" dropbox. **Your source code should follow a coding standard and be well commented.** Only upload your C and VHDL source files and do this as a single .c file and a single .vhd file.

**Project Sign-Off**

**(Due by 12:00 PM (Noon) Thursday December 10, 2015)**


EELE 475
HARDWARE AND SOFTWARE ENGINEERING
FOR EMBEDDED SYSTEMS


Names:        _____


**Project Demonstration:**


Verified: _____        Date:_____


Comments:


Upload your Final Report to the D2L site to the "Project Report" dropbox.

Upload your Project Source Files to the D2L site to the "Project Code" dropbox.

**Note: Each person in the project team needs to upload the final report and source files to their dropbox.**