EEL 4924 Electrical Engineering Design
(Senior Design)

Preliminary Design Report (PDR) Presentation
(3 to 4 minutes in length)

Put together a **PowerPoint** (or equivalent) presentation to present to the class. Make sure you clearly explain what you are doing in your project and how you intend to get it done. All fonts should be at least 20pt so that they can be read from the back of the classroom. Be careful with your use of colors so that all information is clearly visible. Pictures and diagrams are very useful. Do **NOT** clutter a page with too many words. See also the *Preliminary Design Report* description below for more possible content for your PDR Presentation

Preliminary Design Report (PDR)
(Approximately 12 pages in length)

Your *Preliminary Design Report* (PDR) should be made **AFTER** you give your *PDR Presentation*. There may be suggestions during your presentation that will encourage you to make changes that can be reflected in this report. The PDR should include the following:

1. Project Abstract – Give a brief summary of what your project is about. (The abstract should be on your cover page.)
2. Table of Contents – Give the starting page of each subsequent section
3. List of Tables and Figures – Give the starting page of each table or figure. You must have **a least one figure**, a block diagram of your system. Figures and tables are very valuable. All tables and figures must have captions and be referenced in the body of the report.
4. Project Features/Objectives – Explain all the features that your project will have and/or what objectives your project will meet.
5. Concept/Technology Selection – Describe why you are choosing to implement your project in the way that you have chosen. Describe the concepts and technologies that you are choosing and explain why you didn't choose other concepts or technologies.
6. Flowcharts & Diagrams – Make sure you include flowcharts and diagrams to help you explain how you will realize your features and obtain your objectives in both hardware and software.
7. Detail the separation of the work of the project clearly between members of the group so that each person has specific responsibilities.
8. Gantt Chart – Include a Gantt Chart that shows the major and mid-level steps needed to complete your project. For more info on Gantt Charts, see our web site and http://mil.ufl.edu/4924/gantt_chart.html http://www.ganttchart.com/.