

ECE 480: Engineering Design Review

The *purpose* of the Engineering Design Review is to have each team

- Identify the critical customer requirements (CCRs)
- determine system level engineering specifications for your project
- identify the various sub-systems and components
- organize the design team to work on various subsystems/components and their integration into a final prototype
- establish a system level schedule with milestones (needed for integration)
- identify the engineering specifications, studies to be performed, milestones and schedule for each team member's portion of the design

Engineering Design Review Documents (This could be in a format similar to the example given in class)

- 1) Define the customer problem or the product opportunity.
 - a. List customer critical requirements
- 2) Show the proposed System Level Engineering Specification of the Product/Prototype Solution (This should be written as an engineering specification with quantifiable system level specifications)
- 3) Engineering Design Subsystems/Components diagram
- 4) Assign Team members to the various subsystems/components
- 5) System level Schedule and Milestones
- 6) Sub-system or component level engineering specifications, milestones and schedule (One page for each team member)

For a team size of 5 members- these document should total 10 pages- mostly likely Powerpoint slide pages.

Note: Later in the semester when you do demos for us we will use these schedule and milestone documents to assess how your team and each member on your team is progressing on the design.