ECE 477 Design Review Specifics

- **The Design Review is a formal 50-minute presentation in which all team members are required to participate (as equally as possible)**
- **Each student is required to serve as a peer reviewer for (at least) two other teams – part of your *individual* grade will be based on your participation as a reviewer Plan on a 35-minute presentation, leaving 15 minutes for questions and discussion**
- **Be prepared to "defend" your component choices, schematic design, and PCB layout**
- **Post PPT presentation slides on your team website along with links to the Eagle source files for your schematic and PCB layout**
- **Have Eagle files open on laptop computer provided at podium along with your presentation slides (on podium desktop computer)**
- **The following outline is <u>required</u> (times are approximate):**
  - ⇒ **Introduce your team members [1 minute]**
  - ⇒ **Provide a brief overview of your project [1 minute]**
  - ⇒ **List your finalized project-specific success criteria show them, but do not read them one-by-one off the slide [1 minute]**
  - ⇒ **Present the block diagram [1 minutes]**
  - ⇒ **Present the rationale for choosing the major components [4 minutes]**
  - ⇒ **Present the packaging design [1 minute]**
  - ⇒ **Present the schematic and theory of operation on a "block-by-block" basis (e.g., power supply, microcontroller, external interfaces, etc.)…this should be a major focus of the presentation [10 minutes]**
  - ⇒ **Present the PCB layout along with any special design considerations…this should also be a significant part of the presentation [10 minutes]**
  - ⇒ **Present the software preliminary design/development status [5 minutes]**
  - ⇒ **Present a timeline for completing the project [1 minute]**

<u>Remember</u>: Be teachable, and do not take criticism of your design personally!