EE492: End of Semester Reminders

Please refer to the course syllabus and web site for more detailed information.

Thursday 20 April 2006

Each group will need to prepare a one-page summary sheet listing the following:

- Project Title
- Team Members; Advisor; Sponsor
- One paragraph summary of the project, including the specific objectives (e.g., use your proposal from EE391)
- Task assignments/responsibilities for each team member (summarize: just a few sentences per team member)

Please email these summary sheets (one per group) by 5:00PM.

Tuesday 25 April 2006

4:00-5:00PM: Project Demonstration, EPS 120
External Cavity Diode Laser (Todd Hawthorne, Amin Nehrir)
Review team: Bruce McLeod, Todd Kaiser, David Dickensheets

Thursday 27 April 2006

Design Fair!

8:00-10:00AM: Setup in SUB Ballroom

10-11AM: Project Demonstrations, SUB Ballroom
ECEbot Adv. Navigation (Paul Ewalt, Jonathan Hryszko, Michael Schmidt)
Review team: Richard Wolff, Randy Larimer, Steven Shaw

Wireless Fence Monitor (Jared MacDonald, Steve Honig, Patrick Walshe)
Review team: Joe Shaw, Jim Becker, Bruce McLeod

11:00-noon: Project Demonstrations, SUB Ballroom
Wireless ECEbot Comms (Ivan Van Dessel, Tim O'Neil, Conrad Donovan)
Review team: Hashem Nehrir, Randy Larimer, Kevin Repasky

CAN Bus Video (Noah Horak, Clint Laferriere)
Review team: Hongwei Gao, Bruce McLeod, Joe Shaw

Each project team member is required to participate in a demonstration of the *fully functioning project*. In addition to the design fair poster displays, you should be prepared with project goals, schematics, flow diagrams, and similar materials to demonstrate that project performance goals have been met. *Grades will be assessed primarily on the degree to which the project performance goals have been achieved.* Project teams without demonstrable evidence that the design goals have been met should expect a very low score from the review team.

The review team will also assess the team's preparation (documentation ready, readable and sufficient), the ability of each team member to answer project-related questions, and whether or not the appropriate test equipment is available to verify the project's performance.

Noon-6:00PM: Public open house

The format is a public poster presentation and demonstration of your project. Each student will prepare materials describing his or her part of the project and the project team will display a comprehensive combined poster and demonstrate the project (if possible) during the public session held in the SUB. This is a group presentation with each student participating and describing his or her own contribution to the project.

The entire system hardware and software should be included in the display. The poster materials should include an overview of the project, discussion of engineering constraints, information regarding each student's contribution to the final design, project performance, results, conclusions and recommendations for future work.

NOTE: faculty will be reviewing the poster and display setups during the 3-5PM time slot.

Monday 1 May 2006

- Final self/peer review forms due (to Maher) by 5:00PM
- Technical Documentation Package due (to faculty advisor) by 5:00PM.

Each project team is to produce a Technical Documentation Package for the project. One copy is delivered to the project's faculty advisor and/or sponsor (if required) by 5PM. The goal of the technical documentation package is to supply sufficient information so that an engineer (or follow-on project students) can completely understand and reconstruct your project hardware and software. The package may include, but is not limited to, the following items:

> Schematic diagrams; PC board layout; PC board files; mechanical drawings; construction information; circuit descriptions; written test plans; written test results; software design documentation; software listings; software test plans and results; component data sheets; trouble shooting techniques; error messages; copies of progress reports; references

If a user's manual is appropriate for the project (not all projects will have a user's manual) the project team is to produce one as part of the final documentation. It is to be delivered to the ECE office with the technical documentation package. The faculty project advisor and/or sponsor may require additional copies. The user's manual normally contains complete information for the user to install, run the system, and troubleshoot problems. Maintenance information, if appropriate, should be included, as well as error messages and what to do about them.

Wednesday 3 May 2006

- Complete project documentation package delivered to ECE office by 3:00PM.

Materials to submit include:

1. Engineering Standards and Constraints Review Paper
2. EE492 Design Journals (in labeled box)
3. Design Fair presentation package (poster)
4. Technical Documentation Package: Report, Design Description, and User's Manual (if applicable)

and the Senior Design Checklist fully completed.