Senior Design - Spring 2005
EE/CpE 424
Outline

• Spring 2005 tasks

• Fall 2004 grades

• Upcoming priorities, class schedule
Senior Design Tasks – Spring ‘05

- Publish interim project report
- Develop final report
- Submit final report
- Oral/slide/poster presentations/demos
- Build, debug, test
- Web site updates (15th)
- Weekly status Group Eff. Reports (Monday)

Today

Design Day: 4/27
Senior Design Tasks – Spring ‘05

Today

Build, debug, test

20% Publish interim project report

25% Develop final report

35% Submit final report

10% Oral/slide/poster presentations/demos

Design Day: 4/27

Web site updates (15th)

Weekly status Group Eff. Reports (Monday)

2/1 3/1 4/1 5/1/05
Senior Design Grading Fall ‘04

Each group’s faculty advisor determined 80% of group’s grade. Each advisor set criteria appropriate to the project and their policies. For groups I advised, this part of the grade was based on:

- Use of appropriate engineering judgment 25%
- Appropriate level of effort 25%
- Establishing a realistic schedule and adhering to it 25%
- Responsiveness to advisor feedback 25%

As course coordinator I determined 20% of grade, based on

- Timeliness, completeness of deliverables 20%
- Initial project proposal 20%
- Presentation 10%
- Web site 10%
- Final project proposal/Component list 20%
- Overall Effort 20%
Senior Design Fall '04 Final Grades

- B-: 2
- B: 1
- B+: 2
- A-: 14
- A: 11
Components of Coordinator Grade

Marginal efforts impacted a few

Many consistently excellent groups

Some with outstanding efforts

Many consistently excellent groups

Marginal efforts impacted a few

Some with outstanding efforts
Grade Correlation

- **Weekly reports** with **Effectiveness reports**: $R^2 = 0.6269$
- **Overall coordinator grade** with **Web sites**: $R^2 = 0.4525$
- **Weekly deliverables** with **Web sites**: $R^2 = 0.2479$
Deliverables Schedule

• Weekly reports are due **weekly** by Noon, Monday.
  – Both Group Weekly reports and individual group effectiveness reports.
  – To ensure proper credit, email separately, include group number and type of report in email subject

• Web sites will be graded the 15th of each month. All weekly reports, interim and final reports, presentations, and brochures must be posted on web site, hosted on panda.ece.stevens-tech.edu

• Interim project report due Tuesday after Spring Break (3/29/05)

• Design Day is April 27th.
  – Details will be provided later including Design Day brochure requirements

• Final Report due Tuesday, May 3rd
Other items

• Senior Design expense reimbursement:
  – At the end of the semester
  – For items required for Senior Design
  – $250 per group
  – Items that are paid for by the ECE Department must be returned to the ECE Department

• Class schedule:
  – If we meet, it will be 4-5 on Tuesday
  – Classes will meet less frequently in Spring 05 than in Fall 04
    • You should be working with groups and advisor.

• Lab equipment and supplies
  – See me for specialty items and passive components
  – Coordinate PCB design, lab space access with Dominik Hepp and/or Jason Berenbach
  – See Stu Tewksbury to borrow test equipment
Shameless Plug

• If you find one of your electives cancelled due to lack of enrollment or if you just want to take an exciting course, consider:

  Monday and Wednesday 10 – 11:15
  Free copies of Circuit Cellar each month to all enrolled students

• Other new courses:
  CpE440A – Information Security (Prof. Subbalakshmi)
  CpE441A – Introduction to Wireless Systems (Prof. Yao)
  CpE494A – Networked Systems Design (Prof. Kintala)