EE682 Electrical and Computer Engineering Design II Winter 2010

Presents fundamentals of engineering design and leads to skills development of a specific design that was developed in 582. Technical communication skills, both written and oral, are employed throughout this independent study.

Texts: Pocket Book of Technical Writing for Engineers & Scientists, Leo Finkelstein, McGraw-Hill, 2005 or 2000;
Design for Electrical and Computer Engineers, J. Salt & Rothery, Wiley, 2002

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Course Plan:

Week	Subject	Grade Weight
1	**Team Review & Facility Set-up**	
2	Parts Procurement and Planning, **Start-upWork**	**5%**
3	Subsystem Evaluation, Test Set-ups	
4	Upgrade 582 content for presentation	
5	**Midterm Presentation**	**25%**
6	Phase II Project Review after Presentation. Phase II Tasks and Assignments.	
7	**Design Review**	**10%**
7-10	System Integration and Test	
	Final Report/Presentation/Demo	**40%**
	Homework assignments	**20%**

Homework: Weekly Project Status update meetings and reports will be performed throughout the quarter. Weekly reports (homework) will describe design content and what has been accomplished, what is currently in progress, and what are the future tasks. There will also be a final student evaluation of their teammates.

The EE honor system applies. Every team member is responsible for creating a Portfolio (paper trail) that documents their contributions to all aspects that will go into the grade evaluation.