EENG 4910/4990 Senior Design I & II  
Spring 2010

Instructors: Oluwayomi Adamo & Dr. Murali Varanasi  
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Class Hours: Thurs. 5:30 PM - 6:50 PM  
Office Hours: Tues. and Thurs 4:00 PM – 5:00 PM

Teaching Assistant: TBD  
Office Hours: TBD

Prerequisite: EENG 3810, 3910 and 3920; consent of instructor.

Course (Catalog) Description  
The capstone senior design course is a comprehensive electrical engineering design course. Students may choose a design topic in VLSI, communications, Signal Processing or any other relevant electrical engineering area. Substantial design work is required for passing this course.

Textbook(s) and/or other required material  

Learning Outcomes  
After completing the course students will be able to:
1. Design a system or process to meet specifications with engineering constraints.
2. Function as a member of an engineering team.
3. Utilize technical resources both from prior coursework, as well as from other relevant sources.
4. Demonstrate excellent written and oral communication skills related to design project results.
5. Demonstrate an understanding of ethical and professional issues as related to their projects.
6. Demonstrate an understanding of contemporary issues as related to their projects.

General Policy  
• Class attendance is mandatory.  
• It is strongly encouraged to get to know each other in the class. Discussions are allowed!  
• Everyone must turn in her/his own individual work. Simply copying other’s homework will be treated as a violation of academic honesty  
• It is the responsibility of students with certified disabilities to provide the instructor with appropriate documentation from the Dean of Students Office (see http://www.unt.edu/oda)  
• Please visit http://www.unt.edu/csrr/ for your rights and responsibilities

Grading Policy  
• Proposal – 5%  
• Progress Report – 5%  
• 3 Assignments – 5%, 5%, 10%  
• Project (Significance, Report, Presentation, and Demonstration) – 70%
Topics (Tentative)
1. Engineering Design
2. Ethical and professional issues
3. Contemporary Issues
5. Effective report writing