EE 313 Electrical Circuits II – Fall 2010

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Text:	Nilsson and Riedel, Electric Circuits
Prerequisites:	EE 213
Office Hours:	Mondays, 10-12pm and Fridays 3-4pm
Class Attendance:	Attending lectures and taking good notes are imperative for this class. Your attendance or lack thereof may significantly impact your final grade. You are responsible for all information given during the class period. I will not make my class notes available for copying.
Problem Sets:	Sets of problems with solutions are posted on the website. These problems will reinforce the lecture material and allow you to practice circuit analysis. These problem sets will not be graded or turned in, however, it is important to practice your circuit analysis on a weekly basis.
Quizzes:	There will be 5-6 20-minute quizzes given in class according to the tentative schedule given below. I will announce any changes to the schedule in class. The quizzes will be worth 20 points each. The lowest grade will be dropped. Makeup quizzes will be given in cases of dire emergencies and at my discretion.
	Quiz Schedule: Aug 31, Sep 14, Oct 5, Oct 26, Nov 9, and Nov 23
Design Problems:	One design problems will be assigned towards the end of the semester and is worth 40 points
Exam:	There will be two examinations worth 100 points each. The exams are closed book and notes. You may bring one 8½"x 11" piece of paper with handwritten notes on one side only to the exam. Makeup exams will be given in cases of dire emergencies and at my discretion.
	Exam Dates: Sep 21 and Nov 2
Final Exam:	The final examination is comprehensive and is worth 200 points. No makeup exams will be given unless there is a medical emergency. **Do not** make any travel plans that interfere with the final examination period.
	Final Exam Date: (Tuesday) Nov 30 at 11:30am

Course Material:	The course will cover the material in chapters 8-11, 14 and 15 of the textbook. Topics to be presented include: sinusoidal sources, phasors, impedance, AC steady state circuit analysis including nodal, mesh, superposition and equivalent circuits, AC steady state power, three phase circuits, mutual inductance, transformers, and frequency response topics. **However, if I don't cover it in class, you are not responsible for it.**

Final Grade:	Quizzes (5)	100 pts
	Design	40 pts
	Exam (2)	200 pts
	Final Exam	200 pts
		540 pts

Usually, it is not necessary to have to apply a curve to adjust for the class average. However, I will not curve down.

Calculators:	I encourage you to buy a calculator that will perform Cartesian to polar operations for complex numbers and will also perform matrix operations using complex numbers. There are several on the market for less than $100. Please consider purchasing such a calculator if you do not already own one.

Miscellaneous:	When you come to class, turn your cell phones and beepers off or to mute. I do not tolerate cell phones ringing in my classroom. Violators will be subjected to the Dr. Strong treatment!

You must use a pencil for all exams, quizzes, and design problems. The use of a pen will result in a 10% deduction from your grade.

If you are having trouble in class, please come and talk with me about it early. I am more than willing to spend time out of class to help you learn the material. However, if you wait to ask for help until the week before the final exam, you will find my attitude to be less than hospitable. If you take good notes, attend every class period, do your homework and come to see me when you are having problems with the material you should earn a minimum grade of C.

Do not cheat. I report all instances of academic dishonesty to the Provost. This includes copying of assignments.

Extra credit will be offered, but it will be a **significant** amount of work.

Check the class website weekly for problem sets, solutions, updates, extra help, and other announcements.