EC244 ELECTRONICS/ ELECTROMECHANICS
COURSE POLICY

Spring 2012

Instructor: Dr. Tom Salem
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Objective: This course is intended only for students in the Computer Engineering major and introduces them to electronics and electromechanics. Topics covered include amplifiers, diodes, voltage regulation, bipolar junction transistors, metal oxide field effect transistors (MOSFETs), single- and three-phase power delivery, ideal transformers, and AC machines. Problem solving, laboratory exercises, and circuit design are emphasized.

Calculators: Students should have a working calculator in class with them at all times. The use of pocket calculators will be permitted for all labs, homework, and scheduled exams. ***Students are not allowed to use another classmate's calculator during an exam or quiz.***

Homework: Homework and reading assignments will be completed prior to class. Completing the homework is essential to understanding the concepts in this course and will prove vital in your successful performance on exams. Homework will be assigned per the course syllabus unless otherwise directed. Collaboration on homework is encouraged with proper citation; however, ***duplication is not authorized***. Homework will be collected on the first class meeting of each week and will consist of submitting problem(s) specified by the instructor from the prior week's assignments. ***No late homework submittals will be accepted!***

Quiz: Weekly reading quizzes will be administered and given unannounced. Quizzes will strictly focus on the reading material that was scheduled to be read in preparation for that class period.

Exams: All exams are normally closed book and require a calculator. All work on exams must be your own, and must be in accordance with USNAINST 1531.49 and USNAINST 1531.53. If you cannot make an exam for any reason, it is your responsibility to inform your instructor as far in advance as possible.

Labs: The lab exercises are a tool to reinforce the theory presented in the classroom. Labs are scheduled per the syllabus unless otherwise directed. You will be responsible for studying the lab experiment and in most cases doing pre-lab work prior to the actual experiment. Students will normally work in pairs; however, all students are individually required to know how to perform the lab. ***No food or***

beverage is permitted at any time at the laboratory stations. Each student will individually be expected to demonstrate proficiency on all necessary laboratory skills on the scheduled laboratory examinations.

Grades: Course grades will be assigned according to the following structure:

		6 Week	12 Week	16 Week	Final
Exams	High Score	50 %	35 %	30 %	25 %
			25 %	25 %	20 %
	Low Score				15 %
Lab Exams	High Score	30 %	25 %	20 %	15 %
	Low Score			10 %	10 %
Homework/Quiz	High Score	12 %	10 %	10 %	7 %
	Low Score	8 %	5 %	5 %	3 %
Design Project					5 %

Section Leader Duties:

The Section Leader will be responsible for taking attendance for each class period. At the start of class, the Section Leader will call the section to attention and record/report the names of any individuals that are absent. He/she will also call the class to attention for dismissal at the end of the period. If the Section Leader is absent, an alternate will assume his/her responsibilities. The Section Leader shall also be responsible for mustering the class during emergencies, fire drills, etc. and reporting the status.

If for any reason the instructor is late, the Section Leader shall wait 10 minutes and then contact the ECE department office (x 36150) to inquire about the whereabouts of the instructor and to discover if a substitute instructor is available. If no instructor is available, then the Section Leader shall assume the management responsibility of the class, collecting any homework that is due during that period and conducting a directed study on that class period's topics.