EE 213: Electrical Circuit Analysis I

Dr. Jennifer M. English 263-B Engineering Bldg
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Class website: www.eng.uah.edu/~english (I do not use ANGEL)

Text: Electric Circuits, 8th edition by Nilsson and Riedel

Prerequisite: C or better in PH 112, MA 238 or currently enrolled in MA 238

Office Hours: Wednesdays 9-11am, Most Thursdays 2-4pm

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.

Practice Problems: Sets of practice problems with solutions are posted on the website. These problems will reinforce the lecture material and allow you to practice circuit analysis. It is important to practice your circuit analysis on a weekly basis.

Quizzes: There will be six (6) 20-minute quizzes given throughout the term. Each quiz is worth 20 points. Typically, the quizzes will cover a single topic and consist of one problem. The lowest quiz score will be dropped. A tentative schedule is given below.

Quiz Dates (tentative): Jan 27th, Feb 8th, Feb 18th, Mar 10th, Apr 1st, and Apr 22nd.

Midterm Exam: There will be one midterm exam worth 100 points. The exam is closed book and notes. You may bring one 3” X 5” index card with handwritten notes on both sides to the exam. You will turn the index card in with your exam. Makeup exams will be given in cases of dire emergencies with documentation and at my discretion.
Midterm Exam Date: February 24th

Final Exam: The final examination is comprehensive and is worth 200 points. No makeup exams will be given unless there is a documented medical emergency. Do not make travel plans that interfere with the final exam.
Final Exam Date: May 4th at 3pm

Course Material: The course will cover the material in chapters 1-7 of the textbook. Topics to be presented include: Ohm’s Law, Kirchoff’s Laws, nodal and mesh analysis, superposition, equivalent circuits, first and second order circuits. If I don’t cover it in class, you are not responsible for it.

Final Grade: Quizzes (5) 100 pts
Exam (1) 200 pts
Final Exam 200 pts
500 pts
Miscellaneous:
When you come to class, turn your cell phones and beepers to off or mute. Violators will be subjected to the Dr. Strong treatment.

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

I strongly encourage that you purchase a calculator that will solve systems of equations. If you are an EE student, I suggest that you purchase a calculator that will solve systems of equations with complex coefficients. The TI-89 and the HP 49G are examples of such calculators.

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 receive a minimum grade of C.

Do not cheat. This includes copying each other’s index cards for the exam. I report all instances of academic dishonesty to the Provost.

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

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

If you have a letter from student disability, you need to contact me to discuss your accommodations. If you plan to take your exam in the Disability Office, you must let me know one week prior to the exam.

I do not make my notes or my textbook available for copying. If you need to miss class, please find a classmate from whom you can get class notes.