UNITED STATES NAVAL ACADEMY
ELECTRICAL ENGINEERING DEPARTMENT
EE331 COURSE POLICY STATEMENT (SPRING 2009)

I. Introduction:

Welcome to **EE331: ELECTRICAL ENGINEERING I**. The objective of this course is to apply the electrical principles you learned in SP212 to more complex circuits representative of those you will see extensively in your career as a Navy or Marine Officer. The course will use lectures and homework problems to teach you theory and frequent practical exercises (PEs) to reinforce this theory.

This course will draw extensively from what you learned in past mathematics and physics courses. Moreover, most of the material later in the semester builds upon concepts that are covered early in the semester. If at any time concepts are not clear, ask questions in class. You will find other students likely have the same questions but are reluctant to ask. If you find you are falling behind, ask for EI as soon as possible.

II. Texts:

***Fundamentals of Electric Circuits*, 4th ed., Alexander & Sadiku**
***An Introduction to Electric Machinery*, U.S. Naval Academy**
Additional supplemental material may be distributed or made available online.

III. Section Leader Duties:

The Section Leader (or Assistant Section Leader if the Section Leader is absent) will be appointed by the instructor and will be responsible for calling the class to attention at the start and end of a class period, taking attendance, and reporting absences by name to the instructor. In the event that the instructor is late for class (in excess of **10 minutes**), the Section Leader will notify the EE Dept. Office (3-6150) then direct the class in a study period, collect any homework due for that period, and deliver the homework to the EE Dept. Office (Maury 327) at the end of the period. The Section Leader will also be responsible for mustering the class during emergencies, fire drills, etc. and reporting the status to the instructor.

IV. Calculators:

The use of pocket calculators will be permitted for all labs, homework, and exams. They may or may not be permitted for all quizzes; you must ensure you understand your instructor's direction regarding this. You should bring your calculator to class each period. The calculator should, at a minimum, have the capabilities of the TI-68 (complex numbers, simultaneous equations, trigonometric functions, etc.). In the event of a "calculator crash" or failure, manual calculation is your only alternative! **Sharing of calculators will not be permitted except among lab partners.** Finally, you may NOT program anything into your calculators for use during exams. The course does not require any programming on your calculator.

V. Grades:

Assessment	Contribution
Mid-term exams (5-week, 10-week, 13-week)	45% (15% each)
Lab Practical	5%
Final exam	25%
PEs/Quizzes/Homework	25%

The instructor reserves the right to adjust your final grade based upon their evaluation of your overall course preparation and participation.

VI. Exams and Quizzes:

a. Mid-term exams (5-week, 10-week, and 13-week)

There will be three **closed-book** midterm exams held on dates stated in the course syllabus. The 10-week and 13-week exams may include review material from the previous weeks. A calculator and a formula sheet (rules to be announced) may be used for each exam. These exams will be given during the regular class period. Discussion of the contents of the exam with other students from the day the exam is administered to the day the exam is returned is strictly forbidden and constitutes violation of the USNA Honor Concept.

b. Lab Practical

The lab practical will test your ability to properly build circuits and measure parameters as required. The familiarization of the lab bench and equipment will be exercised through the PE's that are assigned prior to the administration of this test. The lab practical is administered individually, so keep this in mind as you work through the lab exercises.

c. Final exam

The Final Exam will be **closed book** and three hours in length. The Final is cumulative. A calculator and a formula sheet (rules to be announced) may be used. ***All students must take the final exam.***

d. Quizzes

Quizzes will be administered (announced or unannounced) in class at the instructor's discretion. Note sheet and calculators may or may not be allowed. Only studying for exams and not being ready for quizzes may have a significant impact on your overall grade.

VII. Homework:

Homework will be assigned per the course syllabus **unless otherwise directed by each instructor**. *Completion of homework is **MANDATORY,** and your instructor has significant leeway to adjust your grade should you fail to submit all homework*.

You must properly document your homework solutions to give credibility to the result. Show all steps and clearly label your answer with appropriate units. Sloppy work is a failure on your part to effectively communicate and will not be graded but returned for re-submission. Further, you may be called upon to present homework problems in class. Homework solutions will be posted periodically throughout the semester.

Collaboration on homework is encouraged in accordance with your instructor's guidance. However, ***duplication*** is never authorized! You may use any references or outside assistance you like; however, you must note the names of any such references or persons at the top of your assignment.

VIII. Practical Exercises (PE):

PEs are scheduled per the syllabus unless otherwise directed and may be worked individually or in groups at the instructor's discretion. PEs will be completed during class, and it is imperative that you bring a copy of each PE with you to class as instructors might not provide copies. All PEs are problem-based. Reading PEs prior to class will greatly increase your understanding of the learning objectives covered and improve your likelihood of completion during the scheduled lab time. Making up missed PEs or completing them must be scheduled with your instructor. The lab rooms will not generally be open during non-business hours.

IX. Extra-Instruction (EI):

Your instructor is available for individual extra instruction during office hours or other mutually agreeable time. To prepare for EI, bring your notes, homework problems, and *specific* questions/problems with you to help identify trouble areas. Course-Wide Group EI sessions may occasionally be scheduled.

X. Miscellaneous:

You must read all the required course material to be successful. Check your email at least once a day. I will use email and the EE331 web page extensively to communicate with you. Any changes to this course policy in addition to an up-to-date syllabus will be posted on the EE331 web page at: http://www.usna.edu/EE/ee331/ .

GOOD LUCK THIS SEMESTER!

LCDR Christoph Flaherty
EE331 Spring 2009 Course Coordinator