

**UNITED STATES NAVAL ACADEMY**  
**ELECTRICAL & COMPUTER ENGINEERING DEPARTMENT**  
**EE301 COURSE POLICY STATEMENT**  
**Fall 2011**

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**I. INTRODUCTION:**

Welcome to EE301, Electrical Fundamentals and Applications. Our objective in this course is to assist you in expanding your knowledge in the field of Electrical Engineering and to enhance your technical insight and problem solving skills. We will teach you about electrical components and circuits that are representative of those that you will see in the fleet or in the mountains of Afghanistan. This course will teach you theory using reading assignments, lectures and homework problems and reinforce that knowledge with practical exercises. This course is the first of a two-part series designed to provide you with Electrical Engineering skills and knowledge that will prepare you for aspects of your Naval Service. The course design is both consistent with traditional engineering education and tailored to specific guidance provided by the Fleet. This will be “news you can use” whether your first assignment is as Electrical Officer, Communications Officer, Aviator, or as a leader of Marines. As a bonus, this is also information that will benefit you in the future whether you choose to serve in the military or civilian community.

This course is highly cumulative in nature. Getting behind is costly and should be avoided. Whether you are a top student in technical subjects or one who is challenged by them, help is available and will be taken advantage of by the savvy among you.

**II. STUDENT REQUIREMENTS:**

**A. Text Books:**

- **Circuit Analysis: Theory and Practice, 4th Ed;** Allan H. Robbins and Wilhelm C. Miller.
- **Supplemental Material** will be provided via the course web page.

**B. Calculators and Netbooks:** Bringing a calculator to each class is required. The calculator should, at a minimum, have the capabilities of the TI-68 (complex numbers, simultaneous equations, trigonometric functions, etc.). Calculators may be used for all labs, homework, quizzes and exams unless noted otherwise. No notes or solved problems may be stored in your calculator in ANY form or location. Calculators may not be shared during quizzes or exams. If your calculator fails, manual calculation will be required. The use of a netbook or similar device is not permitted during quizzes or exams. The use of a netbook during lectures is at the instructor’s discretion.

**C. Homework:** Homework will be assigned daily; due dates will typically be the next class period. Students are encouraged to seek help from any source, but the submitted work must be your own and not copied from any other source. If you use any outside help, you must site them as a source in the homework. Solutions will be published on the course website.

**D. Practical Exercises:** Practical exercises will be included in most two-hour lessons. Students are required to print out and read through each practical exercise prior to the corresponding lesson. Additionally, many of the practical exercises have Pre-Lab calculations which must be performed PRIOR to class. Practical exercises are available on the EE301 course website.

**E. Communications.** Check your email daily for course updates. The instructors will use email and the EE-301 course web page extensively to communicate EE-301 course related information. The EE-301 web page is:

<http://www.usna.edu/EE/ee301>

**F. Section Leader:** A section leader will be appointed with duties prescribed by individual instructors.

### III. COURSE ADMINISTRATION:

**A. Absence/Makeup Policy:** If you know you will miss a class, notify your instructor ahead of time. **Being absent does not absolve you of your responsibility to complete all assigned work.** Arranging for make-ups of exams, quizzes or practical exercises is the responsibility of the student. All midshipmen are required to take the exams at the time prescribed by the Academic Dean. The allowance of make-up exams will be reviewed on an individual basis by the course coordinator and the EE Dept Chair and will be in accordance with the Commandant's Priorities.

**B. Extra Instruction:** All instructors will be available for EI. Whenever possible, please schedule your EI ahead of time. You should come to EI prepared to ask specific questions. Bring relevant class notes and homework. Do NOT wait to obtain EI. It is safe to say that you wouldn't want your team waiting until you needed to shoot to tell you that they couldn't load the weapon. The same applies here. Group EI will also be available per the Group EI schedule located on the EE301 web page.

**C. Quizzes.** Quizzes will be given at the instructor's discretion.

**D. Examinations:** We will have two 1-hour exams during class and one 3-hour final exam. The midterm exams will be common exams for all sections of EE 301 on the Mondays shown in the Course Syllabus. Exams will test the concepts delineated in the course objectives and may or may not resemble examples worked in class, homework problems and/or quiz problems. You are not allowed to discuss any information about the exam with anyone until your instructor allows you to do so. To do otherwise would be a violation of the Brigade Honor Concept.

**G. Formula Sheets.** A *standardized* formula sheet will be provided online at the beginning of the course for use during quizzes and exams. No other materials may be used on the course exams. I encourage you to reference this while you work on homework; this will ensure that you are very familiar with the equation sheet layout by the time take your first exam.

### H. Grades.

	Weight	
6 Week Exam	20%	<i>Your instructor has the right to adjust your final grade based upon his/her evaluation of your overall course preparation and participation.</i>
12 Week Exam	20%	
Final Exam	30%	
DC Lab Practical Exam	4%	
AC Lab Practical Exam	4%	
Homework, Quizzes, etc.	22%	

### IV. GENERAL COMMENTS:

Our objective is to make this a meaningful course for you. We will gladly listen to any concerns, complaints, or feedback that you may have. We are always open to suggestions that will enhance the learning experience and improve performance.

LCDR R. C. Schultz  
EE301 Course Coordinator