Catalog Description: State space analysis, Laplace transforms, network functions, frequency response, Fourier series, two-ports, energy and passivity.

Prerequisites:

By course: EE 261 with grade of C or better.

By topic: Node and mesh analysis, resistive circuits, energy storage elements, simple RL and RC circuits, second order circuits, sinusoidal excitation and phasors, AC steady-state analysis and AC steady-state power.

Coordinates: M,W,F 2:10 p.m., Sloan 150

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Teaching Asst.: Patrick Njeim
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Office Hour: 3:00–4:00 Th

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<table>
<thead>
<tr>
<th>Grading:</th>
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<tbody>
<tr>
<td>Exams (3 × 17%)</td>
<td>51%</td>
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<tr>
<td>Final Exam</td>
<td>20%</td>
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<tr>
<td>Homework</td>
<td>15%</td>
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<tr>
<td>Project</td>
<td>14%</td>
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<tr>
<td>Attendance (bonus)</td>
<td>3%</td>
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The mapping of numeric test scores to likely letter grades will be discussed after each test.

**Homework:** One a week.
- Equal weight.
- Lowest score dropped.
- No late work accepted. No exceptions!

**Attendance:** Attendance will be taken every class period after the second class. Three bonus points will be given for perfect attendance, two points given for one absences, and one point for two absences.

**Project:** You will be required to complete an individual project which uses the techniques presented in this class to analyze a circuit. A short intermediate report (to demonstrate you are making progress) and a final report will be submitted.

**Computer Accounts:** If you do not already have an EECS computer account, one should be created for you automatically. Typically the user name is your first initial and up to seven letters of your last name. The first time you log on, your password is your student ID. If you have problems logging on to the machines in Sloan 353, please see the system staff for help (call 335-6773 or stop by the staff offices on the third floor of Sloan). Note that I may occasionally send email to the class (perhaps for purposes of clarifying homework problems or something similar). I will only send mail to your EECS account. If you would like the mail to end up somewhere else, it is up to you to ensure it is forwarded (see the staff for details about forwarding mail).

**Academic Integrity:** You should review the academic integrity policy at [www.eecs.wsu.edu/~syllabus/eeungrad/academic-integrity.html](http://www.eecs.wsu.edu/~syllabus/eeungrad/academic-integrity.html). It says, in part,

> Students who commit acts of academic dishonesty in an EE or CptS course who have not been certified may be ineligible for certification, while certified undergraduates may be decertified.

A word to the wise: *Don’t even think about cheating in this class!* It will not be tolerated. All work on the project and the tests must be your own. Discussion of homework problems with your classmates will be tolerated, although not encouraged—if you have a question, I would prefer you asked me. (Also, keep in mind that if you are not doing your own work on the homework it will, without a doubt, come back to haunt you on the tests. Karma.)

**Exam Make-Up Policy:** Documented medical emergencies or deaths in the immediate family are the only accepted reasons for missing an exam. If one of the first three tests is missed due to a valid excuse, the remaining midterm scores will be revalued so that all midterms total 51 percent of the final grade. An excused absences from the final will result in a make-up exam.