Elc 106.1 Syllabus
1st Semester, SY 2008-2009
Department of Electronics, Computers, & Communications Engineering
School of Science and Engineering
Ateneo de Manila University

Course Title: Electric Circuits II
Course Credit: 3 units Lecture
Course Description: Electric circuit analyses and syntheses using network theorems & techniques in time, frequency, phase, and s-domains.

Course Objectives: The student is expected...
1) To understand the concept of voltages, currents, resistances, capacitances, inductances, etc; and
2) To be familiar with the basic analytical tools in circuit theory in the time, phase and frequency domains,

Course Topic Outline:
I. A Review of Elc 101
II. Sinusoidal Excitation and Phasors
III. AC Steady-State Analysis
IV. AC Steady-State Power
V. Three-Phase Circuits
VI. Complex Frequency and Network Functions
VII. Frequency Response
VIII. Transformers
IX. Laplace Transform and Applications

Course Text (Lecture):

Course References (Lecture):
Schaum's Outline Series.

Course Requirements and Grading System:

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<thead>
<tr>
<th>Lecture</th>
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<th>Grading System</th>
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<tbody>
<tr>
<td>Long Exams</td>
<td>93 &amp; above</td>
<td>A</td>
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<tr>
<td>Quizzes</td>
<td>87 - 92+</td>
<td>B+</td>
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<td>Recitation</td>
<td>80 - 86+</td>
<td>B</td>
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<tr>
<td>Final Exam</td>
<td>73 - 79+</td>
<td>C+</td>
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<td></td>
<td>67 - 72+</td>
<td>C</td>
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<td></td>
<td>60 - 66+</td>
<td>D</td>
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<td></td>
<td>below 60</td>
<td>F</td>
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COURSE GRADE 100%

Class Policies:
1) Students are expected to have read the topic ahead of class time.
2) Attendance will be checked (by the beadle). This will be done 5 minutes after the second bell, after which tardiness will be considered a cut. There is no distinction between excused and unexcused absences.
3) Maximum allowed number of cuts is 9 (lecture) and 3 (laboratory). Exceeding the number of allowable cuts in either the lecture or the lab automatically merits a grade of W in the course.
4) No make-up quiz/recitation/report/exam will be given. Conflict in schedules should be relayed to the teacher in advance.
5) All projects, experiments and reports get a 10% deduction for every day late (counting non-working days).
6) In this class, academic dishonesty includes, but is not limited to, cheating, plagiarizing, having unauthorized possession of examinations, passing off someone else’s (book, internet sites, etc.) work as one’s own, or tampering with the academic work of other students. Those who are caught committing acts of academic dishonesty automatically get a zero for that particular course work.

Course Instructor: Jose Claro Monje
Consultation Hours: MWF: 10:30AM – 12:00N; TTH - by appointment

I have read and understood the contents of this material, Elc 106.1 Syllabus. I also agree to be bound by the class policies stated herein.

__________________________________  _________________________
Signature over Printed Name                  Date