Instructors

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Grading criteria
First exam: 15%
Second exam: 15%
Quizzes: 15%
Final: 25%
Homework 15%
Laboratory 15%
Extra credit reading assignments 5%
The system +/- will be used in this class

Exams dates:

<table>
<thead>
<tr>
<th></th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>First Midterm Exam</td>
<td>Thursday MARCH 12</td>
</tr>
<tr>
<td>Second Midterm Exam</td>
<td>Thursday APRIL 30</td>
</tr>
<tr>
<td>Final</td>
<td>MAY 14. 6:20-8:20 PM (same classroom)</td>
</tr>
</tbody>
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Grading scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Range</th>
<th>Grade</th>
<th>Range</th>
<th>Grade</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>95+</td>
<td>A</td>
<td>90-94.99</td>
<td>B-</td>
<td>&lt;40</td>
</tr>
<tr>
<td>A</td>
<td>85-89.99</td>
<td>B</td>
<td>70-74.99</td>
<td>C+</td>
<td>55-64.99</td>
</tr>
<tr>
<td>B+</td>
<td>80-84.99</td>
<td>C</td>
<td>65-69.99</td>
<td></td>
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Homework Instructions

- Two attempts are allowed to complete the homework
- If used, in the second attempt you will be able to review the problems you solved incorrectly
• There is no score reduction for using the second attempt. The program will keep the best score
• Solutions to the problems will be available 12 hours after the deadline
• There is a 10% penalty for each hour late after the deadline

You are responsible to submit the homework. Notice that the program DOES NOT submit automatically. If you forget to submit the homework on time there is no possibility to remove the tardiness penalty

IMPORTANT Miscellaneous Information
• A passing grade requires that the average for all the exams (the 2 midterms and the final) be a passing grade, this is more than 55%
• Homeworks will be assigned weekly. Homeworks must be completed in the McGraw Hill website (Connect). Any HW submitted after the deadline will have a penalty. The deadline will be indicated in each homework
• Quiz tests: will be given in class and will be short tests multiple choice
• Laboratories are MANDATORY. To pass the class you must complete all laboratory experiments and present ALL your laboratory reports.
• For the lab activity you will use the DIGILENT package. You will be allowed to complete the lab activity at home and turn in the report with the TA in the lab section you are enrolled. The TA will be available to help you with the lab activity during the labs sections.
• There will be reading assignments that will count as 5 extra points towards the final grade. You will find the reading assignments in the Connect section. The extra credit points will be awarded ONLY if the assignments are completed before the deadline
• Buy the access code for the smart book (CONNECT) from the CSU bookstore. It provides extended access time as compared with the code acquired in the McGraw Hill website. You might have to use your CONNECT access in ECE202

HELP

Office hours:

Marconi: Tuesdays and Thursdays 1:00 to 3:00 PM

The TA will be available for help during the Lab sections

EXTRA HELP OPTIONS WILL BE ANNOUNCED IN CLASS
Topics

Basic concepts
- System of units
- Charge, current and voltage
- Power and energy
- Circuit elements

Basic Laws
- Ohm’s Law
- Kirchhoff’s Law
- Series and parallel resistors
- Wye-Delta transformations

Methods of Analysis
- Nodal analysis
- Mesh analysis

Circuit Theorems
- Linearity
- Superposition
- Thevenin’s theorem
- Norton’s theorem

Operational Amplifiers
- Introduction
- Ideal Op Amp

Capacitors and Inductors
- Introductory ideas
- Series and parallel capacitors
- Series and parallel inductors

First-Order Circuits
- Source free RL and RC circuits
- Step response for RC and RL circuits
- First order OpAmp circuits

Second-Order Circuits
- Source free RLC circuit (series and parallel)
- Step response for a RLC circuit (series and parallel)
- Second order OpAmp circuits