Instructor: Ratnesh Kumar
Email: rkumar
Office: 3217 Coover
Office Hr: MW 3-3:30, 5-5:30


Course Description:
- Introduction (Chapter 1)
- Resistive Circuits (Chapter 2)
- Inductance and Capacitance (Chapter 3)
- Transients (Chapter 4)
- Steady-State Sinusoidal Analysis (Chapter 5)
- Magnetic Circuits and Transformers (Chapter 15)
- DC Machines (Chapter 16)
- AC Machines (Chapter 17)

Grading Scheme:
- Home works will be assigned on a weekly basis. They will be due a week later (typically on a Wednesday). Prior arrangements must be made for a possible late submission. A TA will grade the home works, so please contact your TA for questions regarding your home work grades.

- There will be weekly labs, starting the second week of classes. EE 442 labs will be conducted in pairs whereas EE 448 labs will be conducted in groups of 4 (so decide on your lab-partner(s)). The TAs will jointly be incharge of the lab sections. They will help students with the labs and also grade the labwork. Pre-labwork will be due at the beginning of the lab, and labwork will be due at the end of the lab. Prior arrangements must be made for a late submission.

- There will be 2 short quizzes and 2 exams given in each class. Make-ups will be given only for unanticipated events (medical, emergency travel, etc.); adequate documentation is required to be provided to the instructor, and possibly in advance.

- The overall distribution of grades is obtained as:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Home works</td>
<td>15%</td>
</tr>
<tr>
<td>Labs</td>
<td>25%</td>
</tr>
<tr>
<td>(prelabs 10%, lab-reports 15%)</td>
<td></td>
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<tr>
<td>Quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>Exams</td>
<td>50%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
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</tbody>
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- Final letter grade will be assigned based on class score distribution, (class average is B-), and at least 50% is required to pass the course.