<table>
<thead>
<tr>
<th>Week</th>
<th>Topics</th>
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</table>
| **1** | **Introduction**  
**DC Concepts**  
Course Administration, Units  
Conduction, Resistance & Ohm’s Law |
| **2** | **DC Concepts**  
Current Divider, Resistors in Parallel  
Ideal Sources, Practical Sources  
Measuring Devices  
Node Voltage Method |
| **3** | **DC Concepts**  
Mesh Current Analysis  
Superposition  
Thevenin & Norton Equivalents |
| **4** | **Components**  
**Transients**  
Capacitors, Inductors & Stored Energy  
RC and RL Transient Circuits, Time Constants |
| **5** | **Midterm Review**  
Preparation Time for Midterm Exam |
| **6** | **Midterm**  
To be taken 6/23 or 6/24 |
| **7** | **AC Math Review**  
AC Math Review |
| **8** | **AC Concepts**  
AC Signals and Sources  
Phasors |
| **9** | **AC Concepts**  
Frequency Analysis  
Frequency Response |
| **10** | **AC Power**  
Power & Complex Power, Transformers  
Three Phase Power & Residential Electricity |
| **11** | **Semiconductors**  
Op-Amps & Op-Amp Circuits  
Diodes & Rectifying Circuits |
| **12** | **Final Exam Review**  
Preparation Time for Final Exam |
| **13** | **Final Exam MUST be completed by August 11th to meet summer grade deadline**  
March 14, 2006 |