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Text: A.R. Hambley, Electrical Engineering, Principles and Applications, 2nd Ed., Prentice-Hall

Course Objective: Provide the engineering student with a basic understanding of modern electronic circuits. Included in this course are Kirchhoff's Laws applied to AC and DC circuits, phasors, complex impedances, power in AC circuits, resonance, Thevenin and Norton Theorems, and ideal transformers. Also included is an introduction to solid-state devices.

Tentative Course Outline

<u>WEEK</u>	<u>TOPIC</u>	<u>CHAPTER</u>
	Course Introduction	
1-2	Intro to Electric Circuits	1
3-4	Resistive Circuits	2
5	Inductance and Capacitance	3
6-7	Transients	4
8-9	Steady-State Sinusoidal Analysis	5
10-11	Frequency Response & Bode Plots	6
12	Resonance	6
13	Diodes	10
14-15	Bipolar Junction Transistors	12-13

This schedule of exams as below is tentative

FIRST EXAM: Chapters 1,2,3

SECOND EXAM: Chapters 4,5

THIRD EXAM: Chapters 6, 10, 12-13

Grading

Course grade will be based upon the following:

3 Exams @ 16%

1 Final Exam @ 28%

Weekly homework assignments will make up 24% of the final grade