

CIRCUITS WITH LAB

OBJECTIVES: To teach students DC and AC circuit analysis techniques, network theorems, and power calculations. To give hands on laboratory experience in using electrical test and analysis equipment. To give students practice in written communication of experimental results.

REQUIRED TEXT: Basic Electric Circuit Analysis, Fifth Ed., Johnson, Hilburn, Johnson, and Scott

ATTENDANCE: In accordance with RC policy, attendance is mandatory. A student may be dropped if more than six absences have been recorded unless special arrangements have been made. Course withdrawals, however, are ultimately the responsibility of the student. Any missed labs must be made up or a zero will be recorded for that report. Missed exams without prior approval will be counted as a zero.

HOMEWORK AND LAB REPORTS: It is crucial to your success in the course that you do the homework. Homework will be collected and graded mainly on whether a good effort was made on the assigned problems. The lab write-ups will vary as to what is required. At least one of the labs will be written up as a formal report. Each student will prepare their own write-ups even though the experimental work is performed in groups. Lab write-ups will be due one week after the experiment is performed. Late reports will be docked 10% per day late.

TESTS: Test 1 – Chapters 1,2 Test 2 – Chapters 3,4
 Test 3 – Chapters 5,6 Test 4 – Chapters 7,8
 Test 5 – Chapters 9,10 Test 6 – Comprehensive Final Exam

GRADING: 70% – Highest 5 exams (the lowest of the six exam scores is dropped)
 10% – Homework
 20% -- Laboratory reports (Late labs – 10% per day)

<u>Percent of Total Possible</u>	<u>Grade</u>
87-100	A
77-86	B
65-76	C
50-64	D
0-49	F

Important Dates:

Monday, January 17, 2000 – Martin Luther King Day
Friday, February 18, 2000 – Lincoln's Birthday
Monday, February 21, 2000 – Washington's Birthday
Friday, March 18, 2000 – Last day to drop!!
Monday – Friday, April 17 – April 22, 2000 Spring Recess
November 25-26, 1999 – Thanksgiving Holiday

FINAL EXAM DATE:

Friday, May 19, 2000, 1 → 3 PM