

ECE 200 – Spring 2003  
**ELECTRIC CIRCUITS**

- Instructor:** Karim G. Oweiss
- Office:** Rm. 2216 EB; Tel.:(517) 432-8137; email: [koweiss@msu.edu](mailto:koweiss@msu.edu)
- Class Schedule:** M T W TH 5:30 PM – 6:20 PM (Rm. 1230 EB)
- Office Hours:** M W 3:00 PM – 4:30 PM (Rm. 2216 EB)
- Textbook:**
- Thomas & Rosa, *The analysis and Design of Linear Circuits*, Prentice-Hall, 3<sup>rd</sup> Ed., 2001
  - G.M. Wierzba, *ECE200 Lecture Notes & Solved Problems CD.*, Anthony Copy center, Rm. 1277 Anthony Hall.

**Class Webpage:** The primary web site can be reached from my web page at <http://www.egr.msu.edu/~koweiss/ece200/index.htm>  
We may also do some online activities via the Blackboard Course Management System. Please point your browser to the following URL: <http://blackboard.msu.edu>, and log-in with your Pilot ID and password. This site is scheduled to be available to enrolled class members by a date to be announced.

**Course Outline**

Topic	Reading Assignment	No. of lectures
1. Introduction	Chapter 1	2
2. Basic Circuit Analysis	Chapter 2	8
3. Circuit Analysis Techniques	Chapter 3	9
4. Active Circuits	Chapter 4	5
5. Signal Waveforms	Chapter 5	Reading Assignment
6. Inductance and Capacitance	Chapter 6	3
7. First Order Circuits	Chapter 7	5
8. Sinusoidal Steady State Response	Chapter 8	7
9. Frequency Response	Chapter 12	7
10. Power in Sinusoidal Steady State	Chapter 14	4
11. Second Order Circuits	Chapter 7	5

## Grading

- Three 50-min. exams *in class* worth **15%** each
- **10** homework assignments (normalized) worth **15%**.
- **Final** Exam worth **30%**.
- Quizzes & Classroom activities worth **10%**

## Exams

Exam #	Topics covered	Date
1	1, 2	Thursday, January 30
2	3, 4	Thursday, February 27
3	5, 6, 7, 8	Thursday, April 17
4	Comprehensive	Monday, April 28 (8PM-10PM)

- Simple scientific calculators are allowed in the exam.
- No partial credit will be given to incorrect or incomplete answers or answers not stated in engineering notation.
- There are NO MAKE UP EXAMS.
- **An 85% attendance is required to pass the course.**

## Homeworks

- Homework solutions are to be done on 8.5"x11" single sided paper, must be stapled and ragged edges to be trimmed.
- Whenever possible, correct answers is to be **circled or boxed**.
- You're allowed to consult with other students (you must write down their names below yours), but the final work you submit should be **your OWN**. Identical assignments will receive a **ZERO** grade.
- Computer assignments should be typed and ran by you. Old copies of computer files will be severely dealt with.
- Late Homeworks will **NOT** be accepted.

## Important Dates

- 1/31: End of tuition refund for Spring 2003 -- no refund after this date
- 2/26: MIDDLE OF SEMESTER -- Last day for Spring 2003 withdrawal or dropping courses with no grade reported