

ECE 291 – Spring 2004

CIRCUITS & SYSTEMS

Instructor: Karim G. Oweiss, Ph.D. (koweiss@msu.edu)
Office: Rm. 2216 EB; Tel.:(517) 432-8137;
Class Schedule: T TH 8:00 PM – 8:50 PM, Room 1234, Eng. Bldg.
Office Hours: T TH 9:00 AM – 10:00 AM (Rm. 2216 EB)
Textbooks: **Required:** *The analysis and Design of Linear circuits*, Authors: Thomas & Rosa, John Wiley, 4th Edition, 2004
Webpage: The primary web site is through the ANGEL[®] Course Management System, which can be reached at <http://angel.msu.edu> (Login with your Pilot ID and password). A link to the quick start guide is provided at http://www.msu.edu/service/lcttp/trainers/angeldocs/MSU_Student_Guide.pdf

Course Outline

Topic	Reading Assignment	No. of lectures
1. Signal Waveforms	Chapter 5	3
2. Laplace Transforms	Chapter 9	5
3. S-domain circuit analysis	Chapter 10	6
4. Network functions	Chapter 11	5
5. Fourier Series	Chapter 13	4
6. Analog Filter design	Chapter 14	5
7. Fourier Transform	Reading Assignment	TP

Grading

- **Two** 50-min. exams *in class* worth **20%** each
- **10** homework assignments (normalized) worth **10%**.
- **Final** Exam worth **40%**.
- Online quizzes & Classroom activities worth **10%**
- **85%** attendance is required to pass the class.

Exams: All exams are closed Book, closed Notes (you're allowed to bring ONLY one single-sided sheet of paper)

Exam #	Topics covered	Date
1	1-3	Tuesday, Feb. 24
2	4-5	Thursday, Apr. 13
3	Comprehensive	Friday, May 7, 7:45 – 9:45 AM

Homeworks

- Whenever possible, correct answers are to be **circled or boxed**.
- You're allowed to consult with other students, but the final work you submit should be **your OWN**. Identical assignments will receive a **ZERO** grade.
- Late Homeworks will **NOT** be accepted.

Important Dates

- 2/6: End of tuition refund for Spring 2004 -- no refund after this date
- 3/3: MIDDLE OF SEMESTER -- Last day for Spring 2004 withdrawal or dropping courses with no grade reported