

GEORGIA INSTITUTE OF TECHNOLOGY
School of Electrical and Computer Engineering

ECE 2040
Circuit Analysis
Fall Semester 2000

Class Hours:

MWF 9:05 am – 9:55 am

Instructor:

Russell M. Mersereau
Office: GCATT Room 338
Phone: (404) 894-2913
FAX: (404) 894-8363
email: rmm@ece.gatech.edu

Office Hours:

MWF 8:00—9:00; 10:00—11:00
Other times by arrangement

Teaching Assistant:

TBA

Course Objectives:

To study basic analytical methods for passive networks composed of resistors, capacitors, and inductors. Kirchoff's Laws, mesh and node analysis, network theorems, Solution of circuit equations using Laplace transforms. Frequency and transient behavior of circuits.

Course Prerequisites:

ECE 2025 and PHYS 2122; Corequisite MATH 2403

Grading Formula:

Quiz #1	15%
Quiz #2	15%
Quiz #3	15%
Quiz #4	15%
Final	30%
Homework	10%

Text:

Introduction to Electric Circuits (5th Edition), by R. Dorf and J. Svoboda, Wiley.

Course Structure:

The class will meet three times per week. Problem sets will be handed out once per week during the Friday class. Problem sets may be worked in groups so long as all in the group participate fully, but simply copying someone else's solution is not acceptable. Problem sets will be graded and solutions handed out. Problem sets will be due at the beginning of the Friday class. Once the solutions have been handed out, solutions will not be accepted for credit. *If you miss or lose a class handout, they will be available on the 4th floor of VanLeer outside room E-475.*

Important Dates:

Quiz #1	Wednesday, September 13, 2000
Quiz #2	Friday, October 6, 2000
Quiz #3	Friday, November 3, 2000
Quiz #4	Wednesday, November 29, 2000
Final Exam	Wednesday, December 13, 2000 (period 7) (tentative)