Syllabus for Electromagnetic Applications
ECE 3065 – Spring 2011

Class Description:

Course	Title	Cr Hrs	Instructor	Days	Time	Location
ECE-3065	Electromagnetic Applications	3	Greg Durgin	T Th	3:05 PM 4:25 PM	Van Leer 341

ECE 3065 Electromagnetic Applications
In this course, we apply Maxwell's equations to a number of interesting and useful applications. Subjects include advanced transmission line theory, radio wave propagation, waveguides, fiber optics, resonators, two-port analysis, and antenna theory.

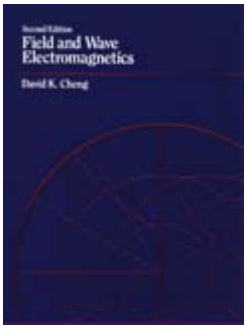
Instructor:

Greg Durgin
Office: 507 Van Leer
Office Hours: TBD

E-mail: durgin@ece.gatech.edu
Office Phone: (404) 894-2951
Class Web Page: http://www.propagation.gatech.edu/ECE3065

Textbook:

Field and Wave Electromagnetics, 2th edition, David K. Cheng. Pearson, 1989.



Prerequisites:

Students must have taken ECE 3025 and received a C or higher.

Grading:

15% Homework – Expect *approximately* 8 homework assignments over the course of the semester.

65% 2 Midterms and a Final Examination – There will be 3 in-class examinations (2 midterms and 1 final). The two highest examination scores will count 25% each toward the final class grade; the lowest score will only count 15% toward the final class grade.

20% Project – A class project will be assigned later in the semester and turned in the last week of class.

Test Dates:

see website

Computer Usage: The web will be used extensively in this class to disseminate homework assignments, lecture materials, and class announcements.

Some homework assignments may involve the use of Matlab^{tm} software. Most students should have access to this software through a university computer lab or their own personal computing packages. If not, please inform the instructor.

Tentative Lecture Topics:

see website

Honor Code: The Honor Code applies to every aspect of this class, with only one noteworthy exception: student discussion of concepts and techniques for solving homework problems is permitted and even encouraged outside the classroom. However, *all submitted work must be original*.