

GEORGIA INSTITUTE OF TECHNOLOGY
School of Electrical and Computer Engineering

Course Description
EE2201A - Special Topics Transition Course
Spring Quarter, 1999

COURSE OBJECTIVE:

This course provides coverage of the topics that will be added to EE2200 when it becomes EE2025 in the semester version. It provides an introduction to continuous-time signals and systems, continuous-time convolution, review of Fourier series, Fourier transforms, frequency response, modulation, sampling, discrete Fourier analysis, and spectrum analysis. In addition, the topic of Laplace transforms and their application to feedback systems will augment the transition material to fill out the three hour course.

TEXT: A. Oppenheim and A. Willsky *Signals and Systems*.

PREREQUISITE: EE2200 and EE2250 or EE3200

CLASS HOURS: MWF 1:00pm -2:00pm.

INSTRUCTOR:

Professor R. W. Schafer
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Phone: 894-2917
Email: rws@ee.gatech.edu

SECRETARY:

Mrs. Stacy Schultz
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TEACHING ASSISTANTS:

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GRADING POLICY: The basis for your final grade will be as follows:

ACTIVITY	REGULAR	GRADUATING
Quiz #1	20%	30%
Quiz #2	20%	30%
Final Exam	25%	-
Computer Projects	20	25
Homework	15%	15%

HOMEWORK:

To learn this subject, it is important to WORK HOMEWORK PROBLEMS. Work as many as possible, and work them CAREFULLY. Homework will be assigned on Friday and will be due the following Friday. No late homework will be accepted because solutions will be published on the day the assignment is due. However, your lowest homework grade will be dropped. You will not be required to hand in all of the assigned problems, and it may not be possible to grade all of the problems that are collected.

COMPUTER PROJECTS:

Computer-based assignments using MATLAB will be an important and non-optional part of the course. MATLAB is available on the network of PCs and on the network of HP UNIX workstations on the third floor of CoC.

OFFICE HOURS: Tuesday 10-11am, Wednesday 12-1pm and 2-3pm and Friday 12-1pm.

Students are asked to observe the specified office hours in seeking help on homework, etc. Appointments to discuss specific concerns can be made at mutually convenient times. Review sessions will be scheduled periodically as needed.

EE2201A WEB SITE:

The EE2201A web site will be available under WebCT. It will have many resources that will be useful in this course. Some of these will be used in classroom demonstrations and pointers to others will be given in class or in homework assignments. Solutions to homework problems will be posted here. The materials from EE3230, a very similar course, from previous quarters are also available here. You may also find the EE2200 web site useful at

www.ee.gatech.edu/research/DSP/courses/ee2200

ACADEMIC HONESTY:

Working with other students in solving homework problems is *not* considered dishonest, but students should take care not to become dependent upon someone else. It is much better to plan and execute the solution to problems on your own. *Copying* solutions to homework problems from classmates or from a “bible” of previous solutions is *not* a good idea. Copying from someone else in an exam or otherwise violating the conditions of the exam is definitely dishonest. *Dishonesty on an exam, if detected, will lead immediately to a grade of INCOMPLETE for the course, and the student(s) will be reported to the Dean of Students. The minimum penalty will be failure of the course.*