

ECE 3050
Analog Electronics
Summer 2010

Instructor: Dr. W. Marshall Leach, Jr., Van Leer E388, 404-894-2963, (Secretary: 404-894-2973), Email: mleach@gatech.edu.

Office Hours: MWF 3:00 - 4:00 p.m.

Time and Location: MWF, 1:20 p.m. – 2:30 p.m., Van Leer C457.

Class Web Page: <http://users.ece.gatech.edu/~mleach/ece3050/>

Textbook: Class Notes and *Microelectronic Circuit Design* by Jaeger.

Material: Selected material from Sections 3.1 - 3.4, 3.6, 13.4, 5.1 - 5.6, 5.9, 5.12, 5.13, 13.5, 4.10, 4.11, 4.13, 13.7, 14.2 - 14.4, Chapter 15, Sections 16.2, 16.3, 16.6, 17.1 - 17.5, 17.7, 17.8, 17.10, 18.1, 18.3 - 18.6, 18.13 plus material on active filter design and supplementary notes posted on the class web page.

Class Structure: Homework assignments will be posted on the class web page. (Browse through the problems because their order may not follow the order of the material presented in class lectures.) Partial solutions and answers will be given for each problem. The homework will not be collected. On each Wednesday, a 25 minute quiz will be given. It will be based on the class lectures and the part of the homework assignment that pertains to the previous 3 class lectures. The lowest quiz score will be dropped. If you miss a quiz, it will count as the dropped quiz. In case of a planned absence, you are allowed to miss one quiz without it being counted as the dropped quiz. In this case, its weighting will be shifted to the final exam. To use this option, you must notify me on or before the day of the last class period before the quiz. Quiz solutions will be posted on the class web page. If you feel that your quiz should be regraded, you must submit it to the GTA within one week after the quizzes are returned in class. If you feel that you have been graded unfairly, please speak up.

Makeup Quizzes: The reason for dropping a quiz is to eliminate makeup quizzes. There are no makeup quizzes.

Grading:

Quizzes:	75%
Final Exam:	25%

Pertinent Dates:

Holidays:	Monday, July 5
Drop Day:	June 18
Weekly 25 Minute Quizzes:	At the end of class each Wednesday
Final Exam:	Monday, August 2, 11:30 a.m. – 2:20 p.m.

Classroom Decorum: Arrive for class and be seated before the bell. If you must enter or leave the classroom during the lecture, do not let the door slam. Do not talk in class. Turn your cell phones and pagers off before class begins. Do not use a cell phone in class. Do not leave the classroom to make or receive a cell phone call. School policies prohibit the consumption of food and beverages in the classroom.

Academic Honesty: During a quiz, it is obvious from the front of the classroom when students hold their heads down or cover their eyes with one hand or the bill of a baseball cap to conceal looking at the quiz of another student. To avoid suspicion, do not cover your eyes. If you wear a cap, turn it around so that the bill does not cover your eyes. Suspected incidences of academic misconduct will be reported to the office of the Dean of Students.

Classroom Announcements: Class email lists are set up by the School of ECE for each class. If you drop the course, you will continue to receive class email unless you have your name removed from the email list maintained by the ECE Computer Support Staff. You are expected to read all email sent to the class list that relates to the course. You will be held responsible for any announcements, assignments, etc., sent via email. Excuses will not be accepted if your email bounces because of an invalid email address, a disk quota that is exceeded, or any other such reason.