

# GEORGIA INSTITUTE OF TECHNOLOGY

SCHOOL of ELECTRICAL & COMPUTER ENGINEERING

## ECE 3043: Electrical and Electronic Circuits Laboratory

### GTL - Syllabus

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**Instructor:** Dr. Suresh Sundaram,

Email: [ssundara@georgiatech-metz.fr](mailto:ssundara@georgiatech-metz.fr) (Please include “ECE 3043” in the subject line.)

**Office:** GTL 213

**Office Hours:**

Walk-ins, or by appointment – Specific time slot will be announced latter

**Class Details:**

Lecture: Specific time slot will be announced latter

Lab (Inst. lafayette): Specific time slot will be announced latter

**Prerequisites:**

ECE 2040, ECE 3040 (can be taken concurrently)

**Course Websites:**

<http://canvas.gatech.edu>

<http://users.ece.gatech.edu/~tbrewer/ece3043/>

**Course Materials:**

**Required Text:**

William M. Leach, Jr., Thomas E. Brewer, and R. Allen Robinson, “Experiments in Electrical and Analog Electronic Circuits”, (1<sup>st</sup> Edition) ISBN: 978-0757596513

### **Other Materials:**

Proto-Board or Breadboard (supplied by GTL)  
ECE 3043 Parts or Chip Set (supplied by GTL)  
Calculator  
USB Flash Drive

### **Attendance Policy:**

Attendance is expected for the lecture session and mandatory for all laboratory sessions. Any absence from an exam or laboratory session will result in a grade of zero, which may be made up at the discretion of the instructor. An absence from a pop quiz will not be made up and a grade of zero will be assigned.

### **Grade Policy:**

10% – Laboratory Quizzes  
20% – Homework  
25% – Laboratory Reports  
10% – Lecture Exam 1  
10% – Lecture Exam 2  
25% – Final Exam

\*Up to 10% of your total grade can be lost for not keeping the lab clean.

All letter grade assignments are made by the instructor. All assignments are individual assignments. This includes pre-lab work, laboratory reports, homework assignments, computer simulations, and exams.

Lab quizzes are open-book and open-note. They are, however, closed-Internet and closed-neighbor.

Pop quizzes, if given, will count as one homework assignment.

All three exams will take place during the lecture hour of the course. The entire period will be given to take the exam. All exams are closed book and closed notes, but you may use a standard or programmable calculator.

### **Late Work:**

Assignments turned in late but within 48 hours of the due date will be penalized 10%. If they are turned in within one week of the due date they will be penalized 20%. No assignments will be accepted after one week of the due date or after the last day of Dead Week. Exceptions may be made if there is an official excuse from the Dean of Students.

### **Open Lab:**

Hopefully you will complete all lab assignments during your allotted time. If you need more time, you may use the lab during other class sections (including ECE 2031) provided there is enough equipment. Priority always goes to students in the current section. I have yet to decide whether or not it will be necessary to hold additional open lab hours.

### **Final Exam and Dead Week:**

Georgia Tech rules and regulations require that I inform you that you will have a lab during Dead Week. The lab report will be due during Dead Week.

In order to accommodate the last lab, the final exam for this course will not be held during Finals Week. Dead Week policy prohibits me from administering an exam during Dead Week. Therefore, the “Final Exam” will be held the week before Dead Week. The final exam is comprehensive and comprises 25% of your grade.

### **Academic Misconduct:**

All students taking this course are required to strictly adhere to the Georgia Tech Honor Code, whose complete text may be found at <http://honor.gatech.edu/content/2/the-honor-code>. Any violations of the Code are considered academic misconduct and will be submitted to the Office of the Dean of Students for appropriate action.

### **Collaboration:**

Students may discuss assignments in general terms with one another, but all work should be generated individually. Likewise, students may receive assistance on assignments from the course instructors/TAs. However, all of the assignments in this course are to be completed individually. Copying or allowing peers to copy all or portions of any assignment is considered plagiarism and is expressly forbidden.

Tentative schedule for the entire semester will be updated at the first week of the semester.