

Physics 3211: Electronics

Fall Semester, 2011

August 22, 2011

Professor: First (first@gatech.edu)

Office: N018 Howey Physics

Lab: S03/S06 Howey Physics

Office Hour: Monday 4:00-5:00pm or by Appt.

Lab:

Room: S206 Howey Physics

First lab: Week of August 29

Last lab: Week of November 14

No lab: Week of October 17

Teaching Assistant: Bradley Elkus (belkus3@gatech.edu)

Texts:

Required: *Principals of Electronics* (L. R. Fortney)

Recommended: *The Art of Electronics* (Horowitz and Hill)

Grading:

Lab (<i>Labs</i> 24%, <i>Project</i> 6%)	30%
Homework (8–10)	5%
Hour Exams (3)	40%
Final	25%

Notes:

1. *Honor code.* All class participants are expected to abide by the Georgia Tech Honor Code: <http://www.honor.gatech.edu/>
2. *Homework.* Due by the end of class on the due date. Learning from other resources (students, teachers, books, internet, etc.) is encouraged, but each student *must* turn in their own work. For every problem subpart (e.g. 5a, 5b, ...) a completely correct answer will be awarded 2 points, otherwise zero or (in rare instances) one point will be given. Each full assignment will be assigned equal weight.
3. *Labs.* The time you need to spend in lab and the value you will get from it depends on your preparation. Most of the lab write-ups contain material that should be worked out in advance, both to speed the lab and to help explain the purpose of the lab. The labs are due at the end of the *second* lab period each week, unless otherwise announced.
4. *Project.* The project will be to design and build a functional electronic circuit of your choosing, using stock components supplied by the instructor. A schematic drawing, a functional description, and a discussion of design considerations will be required in addition to the physical circuit. Projects will be due the last week of classes. More information will be forthcoming.

Tentative exam dates: Wed., Sept. 21; Wed., Oct. 26; Mon., Nov. 21.

Final exam date/time: Monday, December 16, 11:30am–2:20pm.