PHYS:3850 (29:128) Electronics   Grading   2016

1. Course grade

Weighting:	Midterm Exam	8 %	
	Quizzes	5%	Two questions: 1 question on recent lecture
			1 question on flip video
	Final Exam	17 %	
	Homework	10 %	
	Lab Reports	35 %	(for details, see lab grading policy, next page)
	Lab Project	25 %	(for details, see lab grading policy, next page)

A rough guide to interpret your exam scores:

       Midterm: Average score:
                           * was typically 60-65% before flipped classroom, pre-2015
                           * has increased after flipped classroom began in 2015.
                Predicted course grade, based on your midterm exam:

80%	A-
50%	C+
< 35%	D or F

       Final: Average score was typically 55% (before flipped classroom, pre-2015)

"Fixed scale" for course grade

A+	96-100%
A	90-95
A-	85-89
B+	81-84
B	77-80
B-	72-76
C+	68-71
C	63-67
C-	58-62
D+	53-57
D	48-52
D-	45-47
F	<45

Your letter grade will be determined by your total score in the course and the "fixed scale" shown in the table on the left.

A typical distribution of course grades (before 2015): 20% A, 41% B, 27% C, 12% D and F combined. This is not a grading curve; it is intended only as an illustration. The distribution will vary each year because your grade will be assigned using the "fixed scale" above.

When a student receives a course grade of C or lower, it is usually due to poor attendance at lecture or lab, late or missing lab reports, and missing homework.

Life happens. If you are behind in multiple lab reports, or if starting a project is overwhelming, I will be happy to help you drop. If the deadline in early April has passed, ask me anyway.

2. Lab reports grade

points   item

5   attendance: points received for showing up *on time* at the beginning of lab period
5   turn in a report containing all required sections
5   write in complete sentences
15   schematics, showing all instruments and labels for pins on IC's
10   explanation of procedures used
60   results, including the following:

- units (Hz, mV, etc.) on all data values including graphs & tables
- sketch or printout of scope display, if used, including labels for V & t scales
- graphs, if used, that include: smooth theoretical curves,
    measured values with error bars, axis labels and title
- error values on analog measurements (where specified)
    with an explanation of where these errors came from
    propagation of errors for computed quantities

Penalty for late lab reports:

- Hand in your work in your lab session on the week indicated in the schedule.
- **A penalty of 5 points per day is applied to all lab reports that are handed in late.**

For the course grade, longer labs count more, and shorter labs count less.

_____

3. Project Grade

At the end of the course, you will do a project, which will be a circuit of your own design. You may construct it either on a prototype board (recommended) or hardwired. Your project will be graded as follows:

grading factor	prototype	hardwired
design	80 %	60 %
cleverness of idea #		
how well it works		
how ambitious it is *		
schematic diagram	10	10
specifications	10	10
quality of construction	-	15
safety	-	5

See the end of the lab manual for important information regarding:
- a required *disclosure* of elements of your design that are not your creative idea
- *plagiarism*.

* Discuss your plans with Prof. Goree to get an idea of whether your idea is too ambitious or to unambitious. Also see example projects on the course website.