

## Physics 8 formal lab report, Fall 2009

The formal lab report will be written on the RC and RL circuit lab (first lab right after fall break). Although this lab involves three distinct measurements, you should just write about the two filter circuits, the AC-driven RC and RL; you do not need to write about the pulsed discharging RC. You also do not need to repeat detailed derivations of the theory of the RC and RL; the derivations should be done in detail for one of the RC or RL, and the remainder of the theory section can focus on the differences between capacitors and inductors and how those differences lead to differences in the results of the analogous derivation. In your report you should relate the differences in the behavior of the two types of filters to the differences in the components.

Detailed guidelines for writing a formal lab report are on the course web site.

### **Schedule:**

First draft: due in class Friday, November 6

Commented drafts will be returned to you in class Friday, November 20

Revised version: due in class Friday, December 5

Both versions of the report will be graded on a scale based on the system used to referee scientific papers:

Accept as is, no revision necessary	100%
Accept as is, minor revisions suggested	90%
Resubmission required for acceptance, revision needed	80%
Resubmission required for acceptance, major revision needed	70%
Reject	0% - 60%

(at discretion of instructor)

Reports that are missing sections or written in outline form will be rejected.

**As long as your first draft receives a grade of at least “resubmission required” (70%), you may turn in a revised version. If your first draft is rejected, its grade is your grade for the lab report.**

**If you resubmit your report, only your grade on the resubmitted version will be used to determine your final grade. Alternatively, you may choose to have your grade on the first draft serve as your grade for the lab report, in which case you do not have to turn in a final draft.**