

University of Alaska Fairbanks  
Electrical and Computer Engineering Department  
EE 408 – Power Electronics Design  
Laboratory Policies  
Spring 2013

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### Lab Reports

- 1) All students will be required to write individual lab reports for each lab. The lab reports for one-week labs are generally due one week from the date the lab is completed and are worth 100 points. Multi-week lab reports are due at the beginning of the next new lab assignment with point totals assigned based on the level of work involved. Late labs lose 5% for each school day past the due date.
- 2) Some labs will involve computer-based assignments. Lab assignments requiring PSpice can be completed on the computer in Duckering 202 during and outside of lab time. Hands-on labs will be in Duckering 216 or 330. The Senior Design Project will be in Duckering 216 (construction) and Duckering 202 (simulation and oral presentations).
- 3) Lab reports must be written using a word processor and printed on 8.5"x11" paper. The only exception is when hand calculations from the lab are asked for. Also you must attach all of your lab results (handwritten) to the back of your lab report.
- 4) Lab attendance is mandatory and completion of all labs (including lab reports) is required to pass the course.

Note: It is the responsibility of the student to arrange make-up labs (in advance).

### Lab Report Format and Approximate Point Distribution

- I. Title Page: Lab number, lab title, student's name, course number, and date. (5%)
- II. Objective: A statement of the lab's purpose. (5%)
- III. Circuit Diagram(s): Circuits used in the lab procedure with captions. (10%)
- IV. Observations and Results: Observations in tabular and/or graphical form, including all intermediate calculations and results. It is only necessary to show one complete representative set of calculations when several sets of the same calculation(s) are required. A brief written discussion or statements concerning observations and results is required here. (40%)
- V. Conclusion: General discussion of the lab, general comparison of

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Report Guidelines: