Fall 04 EE 110L

Circuits Measurements Laboratory

Section 05

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Office Hours: MR 2:00-3:00P at EIV 67-112

Course Web Page: www.eeweb.ee.ucla.edu (check the web page regularly!)

General Requirements:

1) Try to attend all lab sessions. Missing one session will not only affect your grade due to missing pre-lab and report of that session but also affect your performance and understanding of the following sessions since each session is based on the previous ones.

2) Come prepared to each lab session. Read the necessary parts in the lab manual, prepare your pre-lab report and know what you will do in the experiment. Your pre-lab report will not be accepted after the beginning of the lab session.

3) Be honest. Write your own report by using your own data. Although the experiments will be held by groups of two, each student will write his/her own report. Therefore, both “your partner” and “you” should know what you are doing in the experiment. Plagiarism will result in “0” grade with no exceptions.

4) Give in your lab reports on time. The report of an experiment should be ready before the next lab session starts. In other words, at the beginning of each session (except the first one) you will give in the Pre-Lab Report of that experiment and the Report of the previous experiment. For late Reports, 20% of your grade will be deducted for each day late.

5) Your Lab Reports should include the following parts:

   A. **Title page (2 points):** Your and your partner’s names, Student ID, Section #, Experiment Title etc.

   B. **Objectives (3 points):** Describe the goal of the experiment, i.e. what is expected to be accomplished by that experiment. Three or four sentences should be enough.

   C. **Theory & Procedure (5 points):** Explain the concepts and equations used for analyzing the experiment. Explain what you will do in the experiment. Do not re-write the steps listed in the manual. With your own words and understanding of the experiment, explain the circuits and the methods you will use.

   D. **Pre-Lab (15 points):** Include your Pre-Lab within your final report. However, Pre-Lab must be completed before the lab. It will be initialed before the lab session starts.
E. **Results & Analysis (9 points):** Properly present your data. That means you should present your data both in the written text and in appropriate figures and/or tables. As well as collected data, you should include the processed data (data obtained after the analysis of the collected data). Verify the validity of your experiment (error analysis). Do not interpret your data in this section.

F. **Discussion (9 points):** This is the section where you interpret your data. Explain the reader what all those data you have collected and processed means. Answer all questions posed in the lab manual. Do not hesitate to write down the shortcomings of your experiment.

G. **Conclusion (7 points):** Write a brief summary of the whole idea of the experiment. Explain what you have learned, whether the experiment was successful, did it demonstrate the theory etc.

*Refer to the Lab Manual for more detailed information about each section.*

Be concise and brief while writing your report. Once you make the point that is asked and give the feeling that you know what you are doing and doing it correct, it is enough to get full credit.

Do not forget that one of the main purposes of this lab is to learn how to write reports.

**Overall Course Grading Policy:**

- 7 Reports  50%
- 3 Quizzes  30%
- Attendance  10%
- Performance  10%