General Lab Instructions

Lab meets in room 4255 SEL. Be sure to find that room BEFORE your first lab meeting. You don’t want to be late for your first (or any) lab session, do you? Arrive on time for all lab sessions.

You must attend the lab section in which you are registered. You cannot make up a missed lab session! So, be sure to attend each lab session.

It is very important that you prepare in advance for every experiment. The Title page and the first four parts of your report (Purpose, Theory, Circuit Analysis, and Procedure) should be written up BEFORE you arrive to your lab session. You should also prepare data tables and bring graph paper when necessary. There are no computers or printers available in the lab, so you should come prepared.

NOTE: No report writing (other than data recording) will be allowed until after you have completed the experiment. This will ensure that you will have enough time to complete the experiment. If your preliminary work has also been done then you should easily finish your report before the lab session ends. Lab reports must be submitted by the end of the lab session. (DEFINE END OF LAB SESSION = END TIME POSTED IN THE UIC TIMETABLE.) If your report is not complete then you must submit your incomplete report. If you prepare in advance you should always have enough time to complete your experiment and report by the end of the lab session.
Laboratory Reports

EXPERIMENT REPORTS: Each station will have a group of 2-3 students working together on an experiment. Each group will submit ONE lab report on the experiment at the end of each lab session. All students should be prepared for the lab, in particular each should do the circuit analysis (this way you can check the results with those of your lab partners).

NO LATE EXPERIMENT REPORTS ACCEPTED! NO EXTRA TIME ALLOWED!

Format
   (Title Page)
   Experiment number and name
   Student name and ID number (print)
   (You must also sign the report)
   Lab section number
   Lab station number
   Lab instructor
   Term: Fall 2015
   Date submitted

   (Body)

1. Purpose (1 or 2 sentences.)
2. Theory (1 paragraph.)
3. Circuit Analysis (A detailed mathematical analysis of the circuits that predicts every data value or graph recorded in section V. 25% to 50% of the lab report score.)
4. Procedure (In your own words explain how to perform the experiment.)
5. Data and Graphs (Present data clearly using tables etc. All graphs must be on graph paper and should be labeled.)
6. Any Calculations and Results (Calculations using data. Not a repeat of circuit analysis.)
7. Answers to questions from the lab manual (Restate and answer questions from the lab manual.)
8. Conclusions (1 paragraph.)

Parts 1-4 must be prepared before beginning an experiment (i.e. must be completed before coming to lab.) or your report score will have 5 points deducted.

NOTE: REPORTS CAN BE UP TO A MAXIMUM OF 6 pages (single-sided, please).
Laboratory Room Rules

1. Report any equipment malfunction to the instructor immediately.

2. DO NOT MOVE EQUIPMENT FROM ONE STATION TO ANOTHER!

3. The instructor must check your data and station before you may write the report.

4. After completing an experiment, turn off all equipment and put away cables and parts.

5. Food, beverages and smoking are not permitted in the lab.