Pre-lab: It is assumed that you have read the lab experiment assignment carefully before coming to the laboratory. Some portions of the laboratory work must be accomplished before attending the laboratory session (this part is called the “pre-lab”). It is important to complete the pre-lab assignment before attending the lab session since you will not have time to perform design tasks AND construct and debug your circuits during the lab session. The purpose of the lab session is to give you experience in implementing and debugging your designs – not to perform the design. The pre-lab work is very important and is a significant part of your final grade in the laboratory. Your pre-lab is due to the lab assistant AT THE BEGINNING OF YOUR LAB SESSION. The lab assistant will initial the pre-lab and return it to you. The initialed pre-lab must be turned in the following week as an attachment to your post-lab report.

Demonstration: You are required to show the setup of the experiment and demonstrate its functionality. If you have problems in constructing or debugging your experiment, the TA will be there to help to you. If you have doubts about anything in your experimental setup, do not plug in the electricity, rather ask the lab assistant for assistance with your circuit. Please exercise discipline and professional behavior in the laboratory. Excessive chat, and non-lab related talk is distracting to everyone and should be avoided. The reading of newspapers or materials not related to the 3381 course etc., eating and drinking is not permitted in the laboratory. It is important to attend the lab sessions during the semester. Students who do not complete 80% of the laboratory exercises will not pass the 3381 course.

Post-lab Report: In the week following completion of the experiment, a post-lab report is due to the lab assistant AT THE BEGINNING OF THE LAB SESSION. Neat and tidy lab reports are required. 10% of your grade comes from tidiness of your lab report. The lab report should not be too short or too long. It should include the laboratory steps, the idea of the experiment, and discussion of the experiment, such as what you learned, if you encountered problems in your design and how they were rectified, and so on. Some of the laboratory experiments include questions to be answered and other special requirements for the post-lab report.

You should make a hardcopy of the laboratory assignment sheet and bring it with you to your laboratory session since it contains areas for the laboratory assistant to initial. When you show up for your laboratory experiment you should bring three items AT THE BEGINNING OF EACH SESSION. These are:

1. A hardcopy of your laboratory assignment sheet.
2. Your pre-lab assignment
3. Your completed post-lab report from the previous week to be collected and graded.

Grading of Laboratory Experiments:
40% Pre-lab
30% Demonstration
30% Post-lab Report (10% of this part is based on neatness, correct grammar, and legibility)
Typical Sequence of tasks:

Week 1:
Bring hardcopy of assignment and pre-lab for experiment #1 and present to the lab assistant for inspection and initialing.
Demonstrate your work for experiment #1 to the lab assistant and obtain initialing.

Week 2:
Turn in the post-lab report of experiment #1 including the initialed assignment sheet and the pre-lab documents.
Bring hardcopy of assignment and pre-lab for experiment #2 and present to the lab assistant for inspection and initialing.
Demonstrate your work for experiment #2 to the lab assistant and obtain initialing.

Week 3:
Turn in the post-lab report of experiment #2 including the initialed assignment sheet and the pre-lab documents.
Bring hardcopy of assignment and pre-lab for experiment #3 and present to the lab assistant for inspection and initialing.
Demonstrate your work for experiment #3 to the lab assistant and obtain initialing.

Week 4:
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