

16.317: Microprocessor Systems Design I

Spring 2012

Lab Report Format Guidelines

Remember that you may work in groups of one or two students for each assignment, but each of you must submit a typed lab report in class on the due date. Late reports will be penalized at a rate of 20% per weekday.

Lab partners may share any material generated in lab (screenshots, code, etc.), but each group member must provide his/her own analysis of the lab and answers to the questions asked in the assignment (when appropriate).

Each lab report should contain the following sections:

- **Cover page:** The cover page will contain the lab # and title, your name, and your partner's name (if applicable). This page will also contain the grading rubric for each lab, which will be provided for you.
- **Lab purpose:** A brief description of the purpose for the lab, which is usually provided as the "objective" section in the lab assignment.
- **Lab content:** This section can be split into two sub-sections:

- **Analysis and difficulties:** Describe each step of the lab—what commands you practiced, any circuitry you created, and so on. If you encounter any problems with a given step, describe those difficulties and the solution you developed. If you are unable to solve a particular problem, describe what potential solutions you did attempt and why they failed.

This section must span at least one page using 11 point font. You may organize and summarize your lab using an itemized list where appropriate.

- **Solutions to lab questions:** Most labs will have a series of questions for you to answer; your answers to those questions should be grouped together in the same section of the report.

Remember, each group member is responsible for generating an independent answer to each question.

- **Conclusion and Suggestions:** Summarize the overall experience of the lab.