

EE242 Final Project Report Guidance

Overall Guidelines:

- The lab report alone should provide enough information for another student with a background similar to yours to reproduce your work and evaluate your conclusions.
- Use a title page with the lab name, the course, the date, your name and your partner's name (if the lab was carried out in teams).
- Data should be displayed in tables or on graphs as appropriate. Think a little bit about the best way to display your data.
- All figures and tables should be labeled and captioned, and the text should refer to them by label.
- Divide the report in the sections, as described below. Use headings to distinguish sections.
- For a long report, follow the title page with a table of contents and a table of figures.
- A sample lab report and excerpts from a lab notebook are available on the EE department web site at:
<http://www.usna.edu/Users/ee/cameronc/Miscellaneous/StudentHelp/SampleLab/index.htm>

Sections you should include:

Abstract

The abstract should describe the lab's **purpose, method and results** in 200 words or less. This is not the same as an introduction!

Introduction

This section describes the purpose of the lab. The introduction can be brief. You just want to put the lab in context for the reader.

Theory

The next section would correspond to the theoretical description of behavior. This section often encompasses the proposed state machine design.

Procedure

The procedure should describe everything you did in the laboratory. Provided code "snippets" when describing your algorithm. A full listing of your VHDL should be in the Appendix only. Also include a discussion on the problems that you encountered, and how you solved them.

Experimental Results

This section should list results, including how you verified correct operation. You should also include simulation data here.

Discussion

This section should include any further comparisons between the results and what was expected. Please include any lessons learned in this section.

Conclusion

This section should conclude the lab with a description of the demonstration and final thoughts for future work.

References

This section should list any references used, including web sites.