
Lab number

Experiment Title



Florida Polytechnic University

EEL4746C/EEL5746C:
Microcomputers

Fall 2018

Student Name:

Student ID:

Lab Partner(s):

Section:

Experiment Date:

Contents

1	About Lab Reports	3
2	What not to do	3
3	Sections to include in the report	4
3.1	Title page	4
3.2	Introduction.	4
3.3	Code, Logic diagrams, Truth tables, Analysis, and/or Calculations	4
3.4	Experimental procedure	4
3.5	Results/Measurements	4
3.6	Result Discussion	4
3.7	Conclusion	4
3.8	Answers to lab's questions.	4

1 About Lab Reports

Technical report is a critical element of the engineering career. The following are some of the abilities that are expected by every engineer:

- An ability to apply knowledge of mathematics, science, and engineering.
- An ability to design and conduct experiments, as well as to analyze and interpret data.
- An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
- An ability to function on multidisciplinary teams.
- An ability to identify, formulate, and solve engineering problems.
- An ability to communicate effectively.
- An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

2 What not to do

- Do not write a long essay like report.
- Do not rewrite the lab instructions.

3 Sections to include in the report

The following are the sections to include in the report:

3.1 Title page

The title page is a standalone page with the following items:

- Lab number and title.
- Course code, number, and title, and section.
- Student Name and ID.
- List of lab partners.
- Experiment date.

3.2 Introduction

Few sentences to describe the motivation for this experiment.

3.3 Discussion

State your understanding of the experiment and its objective. Include all the required code, logic diagrams, and truth tables. Parameters should be clearly marked on the diagrams. Include calculations and analysis.

3.4 Experimental procedure

Describe, in your own words, the steps used in the Lab experiment.

3.5 Results/Measurements/Observations

Include measurements, plots, diagrams, and other experimental data.

3.6 Result Discussion

Compare and discuss the differences between the theoretical results and the experimental results.

3.7 Conclusion

A summary of the findings and what you have learned from this experiment.

3.8 Answers to lab's questions

Include answers to the lab's questions, if they exist.