Course name (MOXXXX)

Title of the lab report

07–09–2016

Student : Name Surname

Assistant : Name Surname

Contents

1   Introduction

- Why are we interested in the topic? → Give a background description if possible also include a review of previous relevant research.

- What is the report about? → Present purpose and research questions.

- What is the aim to learn from the laboratory? → Catch up the specific issues to be studied in the "Conclusions".

- Don't forget to include references !

2   Theory and Methods

- Motivate the choice of instruments, methods, analysis of series of observations and model calculations.

- Use your own words to explain the theoretical processes behind the experiment.

- Describe the experiment execution, the instrumentation and data.

- What are sources of error? → Discuss the accuracy and the precision limitations in the choice of methodology.

- Don't forget the references !

- Use subsections if needed.

2.1   Equations

This is an example of an equation:

$$\int_{-\infty}^{\infty} e^{-x^2} dx = \sqrt{\pi} \tag{1}$$

If you want to learn more about how to write equations like eq. (1) or how to define special math symbols please see the following wepbage: `http://www.colorado.edu/physics/phys4610/phys4610_sp15/PHYS4610_sp15/Home_files/LaTeXSymbols.pdf`.

3   Results

- Describe the details of your results and provide an interpretation of the same.

- Answer the questions listed in the laboratory description and connect the results to the theory.

- Don't use any references. You are presenting your own results.

- Use subsections if needed.

Table 1: This is the caption of the table, it should be placed above.

A	B	C
1	2	3
4	5	6

3.1   Figures & Tables

- Illustrate your results using tables, charts, photographs etc. Present your tables, figures etc clearly with axes labels, units and self-supporting captions.

- All tables and figures should be referred to in the text.

- Table 1 shows an example of a table:

- Fig. 1 shows an example of a figure:

Figure 1: This is the caption of the figure, it should be placed below.

4   Discussion

- Evaluate the results presented.

- Discuss the accuracy, precision limitations in the choice of methodology in relation to the findings.

- Discuss how the results relate to previous research in the field of the laboration.

- Use subsections if needed.

- Use references when you are relating your results to other results. Here are two examples: "These phenomena are responsible for a strong feedback mechanism (Surname et al., 2016). Surname et al. (2016) showed that ..."

5   Conclusions

- Summary of what has been done.

- What are the most important conclusions? → Catch up the specific issues to be studied defined in the introduction.

- Discuss the results in a broader context with respect to relevant scientific, ethical and social aspects.

- Don't use any references.

References

Surname, N., Surname, N., and Surname, N. 2016. This is the title of the article. *This is the name of the journal*, **volume number**,000–100.