

SSC 107 - Laboratory Introduction

Lab Report Format

1. Abstract

- Briefly describe what the purpose of the experiment was and what results were obtained. For the purposes of the class this section should be no more than 3-4 sentences long.

2. Materials and Methods

- State only those procedures which **differ** from the lab outline.

3. Presentation of Results

- Data (with units) should be put in tables which are numbered consecutively (#1,2, etc.) and have an appropriate title.
- Graphs (if necessary) should be numbered and have title and clearly labeled axis (with units).
- A minimum of one example for each type of data calculation is to be presented. Make sure all units are carried through the entire calculation.

4. Discussion of Results

- References to the data should be by table number or graph number (example; the moisture contents in Table 2 indicated that . . . etc.)
- Are the measured values reasonable? Why or Why not? Do the values agree with concepts or values given in lectures or text.
- Discussion of possible errors due to procedure, equipment, or assumptions made.
- This section is the most important part of the lab write-up and should **demonstrate the student's understanding** of the experiment.

5. Conclusion and Comments

- What has the experiment demonstrated in terms of the objectives?
- Comments on lab in general.

6. Questions (when given)

- A number of labs have questions at the end of the lab handouts. They should be answered with all calculations (if necessary) shown

6. Overall Presentation

- All lab reports must be clearly typed and double spaced; hand written reports will not be accepted.
- Reports must be carefully proofread for both grammar and spelling mistakes.

Late Paper Policy

Each student will be allowed to turn in either two reports one day late each or one report two days late without penalty. After the two free late days, each paper that is received after 5:00 p.m. will have one point per day (including weekends) deducted from the grade.

Quizes

There will be a short quiz at the beginning of every lab period consisting of 1 to 3 brief questions about the work to be done that day.

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