

Spring 2015

CIE 344 Hydraulic Engineering

**Introduction to Lab Sessions**

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# Laboratory Statement

Theory is when you know everything but nothing works.

Practice is when everything works but no one knows why.

In our lab, theory and practice are combined: nothing works and no one knows why.

# Laboratory Statement

- Why are we having lab sessions?
- Confucius: “I **hear** and I forget. I **see** and I remember. I **do** and I understand.”

# What are you expected to do?

## 1. Do not hurt yourselves!!

Handouts about safety should be read, understood and obeyed!

# What are you expected to do?

2. You will form groups of 4 people (not five not three) and work as a team throughout the semester.
3. Each team will have an official name (please make a wise selection).
4. You will conduct experiments and make proper reporting as teams (thus a reasonable division of labor is essential)
5. You will make presentations of (some of) your written reports.
6. During presentations everybody in the team is responsible of everything (independent of division of labor)
7. Grading will be on the basis of:
  - Conduction of experiments
  - Report writing
  - Presentation

# Notes on Report Writing

- Use of innovative word processors are encouraged (LaTEX, **LyX**, etc.)
- An engineering format:
  - **Title Page**
  - **Table of Contents**
  - **Object**
  - **Background (Theory)**
  - **Lab Procedure**
  - **Results (Including calculations, graphs, animation, etc.)**
  - **Discussion and Conclusion**
  - **Appendix**
  - **Bibliography**