

## GENERAL PHYSICS LAB REPORT FORMAT

Your lab reports should stand between your general physics lab report and research type report, and should include the following five terms.

1. TITLE PAGE (5 points) following information should be given.
  - a. Title of experiment
  - b. Date performed and reporting date
  - c. Name of the course
  - d. Your name and partner's names
  
2. BRIEF THEORY (20 points)
  - a. Historical aspects of the theory and experiment should not be given.
  - b. State very brief theory with major equations.  
Derivation of theory or equations should not be given. No introduction.
  - c. If the apparatus has some theory behind it, give one.
  - d. Reference list should indicate that you did outside reading. The laboratory instruction handout should not be given as a reference.
  - e. This section may be replaced by objectives of the experiment.
  
3. DATA PRESENTATION (35 points)
  - a. Give information of apparatus, which includes names of instruments, models and manufacturers.
  - b. Diagram of set-up.
  - c. Brief (very) procedure of experiment (no details), which shows that you know what you are doing.
  - d. DATA: Give your data in tabular form and if necessary add graphs. Do not forget units.
  
4. CALCULATION (35 points)
  - a. Show essential parts of calculation, not details of mathematics.
  - b. If calculation is incomplete or if there are serious mistakes, 50 points will be subtracted regardless of other parts. If the error is justifiable, justify it in the conclusion.
  - c. If needed, add graphs, photographs or tables.
  
5. CONCLUSION (5 points)
  - a. Finding of results.
  - b. Error estimation, cause of error, percent error, etc.
  - c. What the experiment showed. What you have learned.