

Physics 100L-001, 002 Survey of Physics Laboratory
UH MANOA-SPRING 2010
Course Description (tentative)

LECTURE: 001 Mon. 2:30PM - 5:20 PM, 002 Fri. 2:30PM - 5:20 PM
Watanabe Hall, Rm.415

TEACHING ASSISTANT: Mr. Keita Fukushima
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Office: Watanabe Hall, Rm. 430, (808) 956-2937

Tutor Hours: Thurs. 12:00PM - 2:00PM in WAT Rm. 421

DEPARTMENT PHONE#: (808) 956-7087

REQUIRED TEXT: Physics 100L Survey of Physics Lab Manual

REQUIRED MATERIALS: Scientific Calculator (graphing calculator is not needed)
Ink Pens
Ruler

Course Description

This course is designed to develop students' laboratory skills and the understanding of experimental methods. Students who take this course will experience working in a group and hands-on observations of solutions to problems, which compliments the topics covered in the lectures. Although it is not synchronized, all the topics correspond roughly to the lecture. The theory behind the experiments will regularly use the mathematical tools of algebra, geometry, and little trig functions. However, trigonometry is not required).

Grading

Student's final grade will be decided on an absolute or relative scale, depending on the distribution of the overall percentage. Student's overall percentage will be computed as follows:

Quizzes	25%
Lab reports	75%

Quizzes

Quizzes will be given at the beginning of every class. You will be given about five questions mostly on the following and the previous topics to be solved in about 10-15 minutes. Students will not be given extra time or make-up quiz unless they have an excused tardy/absence, a week in advance prior to the day of the quiz to be missed. Graded quiz may be corrected and returned on the following week for half its original credit.

Lab Reports

All lab reports will be due on the beginning of the class. An attendance call marks the beginning of class. Any student handing in reports during the class period after this time will be given a warning. After two warnings, your report will be counted as up to one class late. Late lab reports will be penalized as follows:

Up to 1 class -20%, 2 classes -40%, 3 classes -60%, 4+ classes -100%

The last day of the class will be a make-up day. Students are allowed to make-up ONE lab only. No points will be given for other missed labs. If a student will miss more than one lab for any unavoidable reason, he/she must notify the TA, a class in advance prior to the day of the lab to be missed. These informed absences must be made up for a full credit. One week will be given from the make up day to write the report.

Academic Honesty

Severe consequences will be imposed to those who violate the Student Conduct Code. If a student copies a quiz or a lab report of another student, they will both suffer the same consequences. It will be the student's responsibility to protect their work from being misused.