

Professor: Wilfred Hok Kong LEE, Ph.D.

Office: 343A

Classroom: 341

Mail box: MSE Office 215

Contact Info:

Email: hlee@swccd.edu

Phone: ext. 5533

Office Hours:

Mon 11:40 – 1:10

Wed 11:40 – 1:10

Thu 11:40 – 12:40

Important Dates:

Last Day to Add Sept 3

Last day to drop without a W Sept 3

Last day to drop and receive a W Nov 9

Misc Info:

Final Dec 5 (Wed) 1:10 – 3:10 (contact me ASAP if there is a time conflict)

Textbooks:

Optional: *Principles of Physics with WebAssign (5th edition)*, by Serway and Jewett, Published By Brooks/Cole

Course Homepage:

The main course website will be <http://dept.swccd.edu/hlee>, where you will find the syllabus lab manuals and schedule. Your grades will be posted on *Canvas*.

Other Useful sites:

<http://dept.swccd.edu/hlee> (My SWC page)

<http://phet.colorado.edu/> (Physics Education Technology)

Corequisite: PHYS 174 (If you drop PHYS 174 you must also drop PHYS 175)

Unless you already have passed PHYS 174 with a grade of C or better, you must take both courses in the same semester. If you drop PHYS 174, or if one of your instructors drops you, you must drop this lab class as well. It is your responsibility to know if you have been dropped from the lecture class, and then it is your responsibility to drop this lab. Failure to do so will result in the College administratively dropping you from this lab course.

Course Description:

1 Units. Laboratory course to accompany Phys 174.

Course Objectives:

To prepare you to become an astronomer, biologist, chemist, computer scientist, engineer or geologist and to get you one step closer to your degree. Passing this class indicates the ability to understand and apply the concepts in this course to various

physics problems. Your performance will be measured based on the conceptual understanding as well as the ability to use mathematics to state and solve problems.

The lab will roughly follow the lectures. *Print out the lab manual at least one day before the experiment and read it before coming to the class.* A lab report is required every one to two weeks.

Grading:

Your final course letter grade will be based on your overall score. Individual letter grades will not be formally assigned to exams. Letter grade will be determined approximately as follows:

100 – 85%	A
84 – 75%	B
74 – 60%	C
59 – 50%	D
49 – 0%	F

Note that the above scale is only an approximation and may be revised near the end of the semester.

Evaluation:

The overall grade will be determined by your performance in the lab reports and the final. They carry different weight in computing your overall grade, as summarized below:

Lab Report and Notebook	80%
Final Exam	20%

Student Learning Outcomes:

Students will effectively communicate their ideas with the others by suggesting, assessing, and contrasting different approaches to the experiments.

Students will be able to analyze data collected in experiments to investigate and draw possible contrasts with the predictions from the laws of physics.

General Policy:

For information regarding attendance, classroom policy, misconduct and tutorial services please refer to the syllabus addendum on the course website.

Disclaimer:

The content of this syllabus or course outline may change during the semester. It is your responsibility to keep track of the changes.