

Physics 111 – Algebra-Based Physics For Biological & Chemical Scientists I

1. General Information

Instructor:	Hiro Shimoyama (Ph.D.)	Office: Tech 229-D
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Website:	http://www.hirophysics.com/	
Class Hours:	Tuesday & Thursday from 11:00 AM -12:15 PM	
Textbook:	“Essentials of College Physics” by Serway & Vuille	
Office Hours:	After class	
Prerequisite:	Algebra and Trigonometry	
Evaluation:	Exam 1 + insurance	20%
	Exam 2 + insurance	20%
	Exam 3 + insurance	20%
	Final	30%
	Homework Quiz	10%
	(Extra credit	+5%)

* You will be notified of exam dates in a timely manner. These dates will be final, and no discussion of changes will be considered.

Final Grades: $A \geq 87.5\%$, $B \geq 77.5\%$, $C \geq 67.5\%$, $D \geq 57.5\%$
(In case that the exams are too easy or too difficult, the above scale will be slightly changed to adjust the grade distribution. No make-up exams will be given unless you have a verified excuse from the Assistant to Vice President of Student Affairs in Union 219.)

2. Specific Information

Assignments: Some problems are taken from the textbook. Please note following things: Work them out neatly. After finishing homework, staple your assignments and be sure to have your name and number (*see the fourth page*) written on it. Please show all work; an assignment that gives results only and does not show how they are obtained will receive no point. Collaboration among students is encouraged. However, copying is not allowed! **No late assignments will be accepted without a legitimate excuse.** Unless announced otherwise, assignments are due at the end of the class of the specified date. There are typically about ten problems per assignment.

Topics & Materials: Physics 111 covers kinematics, mechanics, fluids, thermal physics, etc.

The last day to drop and receive 100% financial refund: January 26

The last day to drop without academic penalty: February 25

Advice:

- Jokes sometimes make you relaxed. ☺ Enjoy learning!
- Feel free to ask me questions.

Class information and answer keys

The class related handouts will be posted on this web <http://www.hirophysics.com/>

Extra credit

An extra credit project will be given for your overall performance in this class. The keywords are effort, diligence, improvement, and thinking skill. It is NOT a back-up plan for a better grade. This will be offered by the instructor if following are adhered to:

- Attend all lectures. (The attendance sheet will be a reference, but it is not necessarily the evidence.)
- Turning in every assignment (quiz, homework, test, exam, etc.) and completing it to your best ability. It must also be neat and legible.
- Class participation (asking questions)
- Coming to study sessions and to instructor for extra help
- Improving your skills (progress in overall performance)

People who conduct themselves in the following manner will be ineligible for extra credit.

- Not working problems by yourself
- Leaving class or sleeping during lecture
- Frequently missing class without verified excuse from the Assistant to Vice President of Student Affairs in Union 219.

Insurance tests

The purpose of this test is compensation for each exam score.

$$\text{Total exam score} = \text{exam score} + (100 - \text{exam score}) \div 2 \times (\text{Insurance test score} \div 100)$$

How to format each assignment

- You will be provided an identification number for this class by the instructor. Please remember the number assigned and put it on the top and left of the first page shown below. (*Without the number, you may lose the whole score of the assignment or exam.*)

Here → 12

Homework #1: Chapter 2
(Motion in One Dimension)

Name: Andy Deris

Q1. ...

- For every question that you are supposed to do, you have to show your work through the following instruction:
 - Put the number of question or problem. (*Please order them.*)
 - Write down the conditions and basic formulas.
 - If you need to derive equations, indicate how you did.
 - Write numbers in the equation that you plug in.
 - Circle the final answer.
- The grader will subtract 4 to 6 points from 20 points for each problem on which you did not work. (*Writing only the answer will also give you minus 2 points.*)
- The grading scheme is as follows.

When the grader takes off points, s/he will use following notations to explain the reasons:
WC (Wrong Conditions): Using wrong initial or conceptual conditions or formulas to start with (- 1 point)
WP (Wrong Procedures): Skipping important steps, writing wrong derivations, etc. (- 2 points)
WA (Wrong Answer): Putting wrong values or units for the final result (- 1 point)
Other: It will be specified by the grader.
Remember that if you only write the final result and don't write any approach, it will not have any points.

Please print everything neatly. Otherwise, the grader may give up grading your homework.