Physics 101: Essentials of Physics (Fall 2011)

Schedule: Tu-Th 2:00 -- 3:50 PM, Room 100 Willamette

Professor Stephen Hsu
475 Willamette
hsu@uoregon.edu
Office hours: Th 1 PM - 2 PM, or by appointment.

PLEASE DO NOT SEND ME EMAIL WITH DETAILED QUESTIONS ABOUT PHYSICS -- SUCH QUESTIONS ARE BETTER ADDRESSED IN PERSON.

GTFs:
Tyler Yahn, tylery@uoregon.edu
Jing Tao Zhang, zjthahaha@hotmail.com
TY Office: 219 Willamette, Drop-in center: 4-5 pm Weds, Office hour: 11-12 am Fri
JTZ Office: 216 Willamette, Drop-in center: 9-10 am Weds, Office hour: 9-10 am Thu


Course Philosophy:

The purpose of this course is to promote a deeper understanding of conceptual physics, and science and nature in general. We will always emphasize physical ideas rather than mathematics, although a basic level of mathematics and quantitative thinking will be required.

It is important to remember that learning is an interactive process and requires effort on the part of the student. New concepts are only absorbed after concentrated thought and consideration. DO NOT BE AFRAID to ask questions in class! My main purpose as the instructor is to help you learn. My role as someone who assigns you a grade or judges your performance relative to others is secondary and less important.

Homework:

Your homework consists of three parts.
A) Reading. Please read the chapter material BEFORE you come to class. Make notes on the things you find confusing, and feel free to ask me about them during class.

B) Exercises and/or Problems: These will also be assigned for each chapter. They are due EVERY TUESDAY during the term, starting at the beginning of the SECOND WEEK.

I will drop (not count in your final grade) the lowest HW score of the quarter.

**** We will use an online system for turning in HW. If you miss the deadline and must turn in your HW late, please make arrangements with the GTF ****

Use this url to turn in your HW solutions (first solve the problems on paper and then enter them online):
http://abyss.uoregon.edu/~js/quiz_taker/

DO NOT BRING YOUR PROBLEM SETS TO ME

Quizzes:
We will have quizzes TWICE during the term (see the syllabus for the dates). These will consist of a short problem or problems taken from recent material.

Exams:
There will be a final exam, covering the entire quarter.
From the online final exam schedule:
http://www.uoregon.edu/~registrar/common/cals/finalscal.htm
it appears ours will be at 13:00 Tuesday, December 6.

Grades:
Your grade will be determined as follows:

Homework problems: 35 percent (drop lowest score)
Quizzes: 30
Final: 30
Class participation: 5 (this will be based on your participation in class discussion, etc.)

Physics 101: Syllabus (10 weeks)

WEEK:
1 (9/27) Read: Ch1, begin Ch2
HW1, see http://abyss.uoregon.edu/~js/quiz_taker/
(TURN IN TUES OF FOLLOWING WEEK)
No Quiz

2 (10/4) Read: Ch2
HW2, see http://abyss.uoregon.edu/~js/quiz_taker/
(TURN IN TUES OF FOLLOWING WEEK)
No Quiz

3 (10/11) Read: Ch3
HW3, see http://abyss.uoregon.edu/~js/quiz_taker/
(TURN IN TUES OF FOLLOWING WEEK)
No Quiz

4 (10/18) Read: Ch4
HW4, see http://abyss.uoregon.edu/~js/quiz_taker/
(TURN IN TUES OF FOLLOWING WEEK)
QUIZ! on TUES

5 (10/25) Read: Ch4
HW5, see http://abyss.uoregon.edu/~js/quiz_taker/
(TURN IN TUES OF FOLLOWING WEEK)
No Quiz

6 (11/1) Read: Ch5
HW6, see http://abyss.uoregon.edu/~js/quiz_taker/
(TURN IN TUES OF FOLLOWING WEEK)
No Quiz

7 (11/8) Read: Ch6
HW7, see http://abyss.uoregon.edu/~js/quiz_taker/
(TURN IN TUES OF FOLLOWING WEEK)
No Quiz

8 (11/15) Read: Ch7
HW8, see http://abyss.uoregon.edu/~js/quiz_taker/
(TURN IN TUES OF FOLLOWING WEEK)
QUIZ! on TUES

9 (11/22) Read: Ch8 (note: Thursday is Thanksgiving)
HW9, see http://abyss.uoregon.edu/~js/quiz_taker/
(TURN IN TUES OF FOLLOWING WEEK)
No Quiz

10 (11/29) Read: Ch9
HW10, see http://abyss.uoregon.edu/~js/quiz_taker/
(TURN IN TUES OF FOLLOWING WEEK)
No Quiz