

Physics 151 Fall 2009  
MWF 8:30-9:20  
PSB 217

Instructor: Eric Dodson Office: Wat 427 Phone: 956-2982 email: eadodson@phys.hawaii.edu

Office hours: Daily 1-2 PM; and by appointment  
I will also hold a weekly problem solving session[or two].  
[Time and location to be announced]

Text : College Physics , Young & Geller(Volume 1). We will attempt to cover all 16 chapters which puts us at a rate of one chapter a week.

Here is a list of the chapters:

1. Models, Measurements and Vectors
2. Motion along a Straight Line
3. Motion in a Plane
4. Newton's Laws of Motion
5. Applications of Newton's Laws
6. Circular Motion and Gravitation
7. Work and Energy
8. Momentum
9. Rotational Motion
10. Dynamics of Rotational Motion
11. Elasticity and Periodic Motion
12. Mechanical Waves and Sound
13. Fluid Mechanics
14. Temperature and Heat
15. Thermal Properties of Matter
16. The Second Law of Thermodynamics

Website: Homework solutions, sample midterms, etc. will be posted at  
[www.phys.hawaii.edu/~eadodson/pub/phys151](http://www.phys.hawaii.edu/~eadodson/pub/phys151)

Grading: The course will be graded on a curve with the following breakdown.

Participation	5%
Homework	10%
Quizzes	15%
Midterms	45%
Final Exam	25%

Participation: Class participation will be graded via the use of the “i-clicker” system. Details of the “i-clicker” system will be explained in class.

Homework: Each Friday, selected problems will be turned in for grading. These problems will comprise half of your homework score. The other half of your homework score will consist of problems from Mastering Physics ([www.masteringphysics.com](http://www.masteringphysics.com)). This ratio is subject to change based on the availability of funds for a homework grader.

Quizzes: A ten to fifteen minute quiz will be given promptly at the beginning of class on selected Fridays (To be announced the previous class day). Each student's lowest quiz score will be dropped at the end of the term. No make-up quizzes will be given.

Midterms: Two midterms will be given. Midterms from previous years can be found on the classes website.(Note: The midterm format was changed as of 2006). Our midterms will consist of twenty multiple choice problems worth three points apiece and two twenty point problems that will be graded for partial credit.

Midterm I      Friday, September 25

Midterm II     Friday, October 30

Final Exam: The final exam is scheduled for Monday, December 14 (7:30-9:30 AM)  
The final exam will be comprehensive.