

Fundamentals of Physics I

Physics 185 Fall 2013

Instructor: Dr. Timothy Jones
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Class: Stratton Hall 219, T 7-9:50 pm
Office Hours: By appointment on campus (Disque 916)

Web-page:
<http://www.physics.drexel.edu/~tim/phys185/>

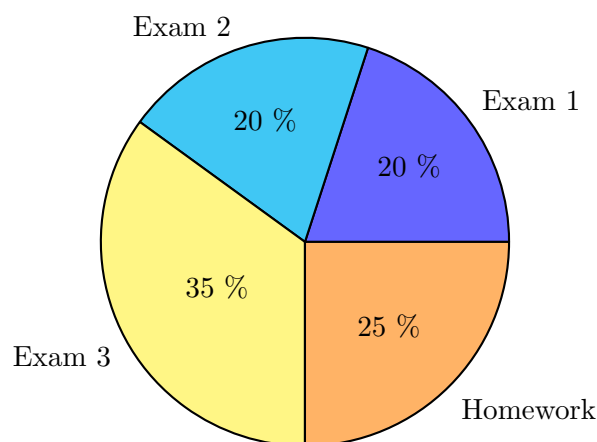
Textbook

Physics for Scientists and Engineers, Tipler and Mosca, 6th Ed

The goal of this class

This is the first of a three course sequence teaching fundamental physics to engineering and science majors. Physics is a broad topic, and we will be covering many key topics. Since this is an evening course, the three hour lecture will be a mix of lecture and recitations in which we review homework problems and work on problems together.

Class Average



Assessments

Tests

We will have three exams. The final exam will be the third exam and cumulative and given in finals week.

Homework

Homework will be assigned weekly and graded on accuracy. Note that homework is worth more than either of the first two exams, so students should not neglect to complete it. Detailed solutions will be provided.

Late Assignments

Home works are due one week after being assigned. If you happen to miss a class, you are encouraged to scan and e-mail the homework as soon as possible. I can also supply a fax number if that is more convenient.

Makeups

If you anticipate missing a test, please contact the instructor as soon as possible for a makeup test.

Academic Integrity

Students should refer to the student manual regarding academic integrity. Violations of the policies of academic integrity will reduce your final grade, depending upon the circumstances. For example, violations of this policy on an exam would result in a zero for the exam or even a failing grade for the class.

Weekly Schedule

1. 09-24-2013 Course introduction, Chapter 1: Measurement; precision and sig-figs
2. 09-31-2013 Chapters 1 & 4: Vectors and Newton's Laws
3. 10-08-2013 Chapters 2, 3: Motion in 1, 2, and 3 dimensions
4. 10-15-2013 Chapter 5: More on Newton's Laws, Review for Exam
5. 10-22-2013 First Exam; Chapter 8: Linear Momentum and its conservation
6. 10-29-2013 Chapter 6,7: Energy and Work and its conservation
7. 11-05-2013 Chapter 9: Rotation: Newton's Laws, Energy, and Momentum
8. 11-12-2013 Review for Exam; Second Exam
9. 11-19-2013 Chapter 11: Gravity
10. 11-25-2013 Chapter 12: Static Equilibrium and Elasticity
11. 12-03-2013 Chapter 13: Fluids; Review for Final Exam
12. 12-09-2013 Final Exam