General Physics I - PHYS 130
Fall 2008
Syllabus

Instructor: Maryam Farzaneh
Office: Hayes Hall 214
E-mail: farzanehm@kenyon.edu
Phone: 427-5466

Lecture: MWF 11:10 am-12:00 pm in Hayes Hall 109
Office Hours: Tuesday 2:00 pm - 4:00 pm
Wednesday 3:00 pm - 5:00 pm
Thursday 2:00 pm - 3:00 pm
or by appointment

Course Homepage
http://physics.kenyon.edu/people/Farzaneh/PHYS130-08/PHYS130-home.html

Textbook
College Physics (8th Edition) by Young & Geller (Addison Wesley).

Course Description
This course is the first course in a one-year introductory physics sequence. In this course we are mainly concerned with classical mechanics which includes a description of how objects move and how to define different types of motion on a quantitative basis. We will learn about Newton’s laws of motion and their applications, mass and force, work and energy, momentum, collisions, waves and fluid mechanics. You will solve lots of problems in this course, therefore a knowledge of algebra and trigonometry (but not calculus) is necessary. Co-requisite: PHYS 141.

Homework
Homework and reading assignments will be posted on the course web page every Wednesday. Homeworks will be due on Wednesday of the following week at the beginning of class. Late homeworks will be accepted up to 48 hours after the due date, but will be penalized by 20%. You are encouraged to work together in solving homework assignments, but the final solutions should be entirely yours.

Post-class Questions
After each lecture you are expected to answer five questions related to the material just covered in class. You will do this using WebAssign, which is an online tool and can be accessed by going to http://www.webassign.net/login.html. You will be provided with a username and a password that allow you to login to WebAssign. Please make sure to change your password after your first login, and please read the online manual on how to use WebAssign before start using it. The answers to your post-class questions have to be submitted by the beginning of the next lecture. Late submissions will not be accepted.
Exams
There will be a total of three exams (including the final exam, which is comprehensive) in this class. The exam schedule is as follows

- Exam 1: Wednesday, 15 October 2008, 6:00 pm - 8:00 pm
- Exam 2: Wednesday, 12 November 2008, 6:00 pm - 8:00 pm
- Final Exam: Monday, 15 December 2008, 8:30 am - 11:30 am

Grading
Your final grade will not be determined on a curve. It will be weighted as follows:

- Homework: 25%
- Post-class Questions: 10%
- Exam 1: 20%
- Exam 2: 20%
- Final Exam: 25%

Disabilities
Students with disabilities who may need academic accommodations are encouraged to make an appointment to see me as soon as possible. Also, you are required to register for support services with the Office of Disability Services in the Old Bank Building. Please contact Erin Salva at 5453 or via email at salvae@kenyon.edu.