General Physics II - PHYS 135
Spring 2009
Syllabus

Instructor: Maryam Farzaneh
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Lecture: MWF 11:10 am-12:00 pm in Hayes Hall 109
Office Hours:
Monday 2:00 pm - 3:00 pm
Tuesday 11:00 am - 12:00 am
Thursday 2:00 pm - 4:00 pm
Friday 1:00 pm - 2:00 pm
or by appointment

Course Homepage
http://physics.kenyon.edu/people/Farzaneh/PHYS135-S09/PHYS135-home.html

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

Course Description
This course is the second course in a one-year introductory physics sequence. In this course we will
cover the basics of three areas in physics: Electricity and Magnetism, Optics, and Modern Physics.
We will start with a quick introduction to electric and magnetic fields to motivate the study of elec-
tromagnetic waves. Next we will study the nature of light as an electromagnetic wave and become
familiar with topics in geometric optics. We will also learn about the particle nature of light and delve
into modern physics, particularly quantum mechanics. We will study many interesting topics such as
uncertainty principle, wave functions, hydrogen atom, energy bands, solid state physics, and nuclear
physics. At the end we will go back and study classical electromagnetism in more detail.Co-requisite:
PHYS 146.

Homework
Homework and reading assignments will be posted on the course web page every Wednesday. Home-
works 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 a few questions related to the material just covered in
class. The answers to your post-class questions have to be submitted by the beginning of the next lecture. Late submissions will not be accepted. You will answer these questions by using
WebAssign, which is an online tool and can be accessed by going to http://www.webassign.net/login.html
Note: For the first time login, please click on the button “I have a Class Key”, and enter kenyon
2158 4565 as your class key to add your name to the class roster.
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: Monday, February 16 2009, 7:00 pm - 9:00 pm
- Exam 2: Wednesday, April 1 2009, 7:00 pm - 9:00 pm
- Final Exam: Monday, May 4 2009, 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.