General Physics II
Physics 210 (002)

Rakitha Beminiwattha (Raki)

September 8, 2017
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- Most of the time will be spent on Electromagnetism: The concepts of electrostatics, electric and magnetic fields, electric potential and energy, electric circuits, magnetic forces, electromagnetic induction and waves
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• Then introduce optics and modern physics
Why You Need to Take This Course?

You will learn to apply fundamental concepts of physics to solve problems.
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• Goal is the learn basic concepts of physics
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- Goal is to learn basic concepts of physics
- Physics Teaches You Analytical Skills and Puts Your Math to Use!
Course Structure

There will be three main sections in the course

• First section: Electrostatics (electrostatics, electric fields, electric potential and energy, and electric circuits)
• Second section: Magnetism (magnetic fields, magnetic forces, electromagnetic induction and waves)
• Third section: Introduction to light, optics, and modern physics
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Homeworks and Exams

There will be homework every week

- Homework will count towards 30% of the final grade
- Missed attendance will affect your homework contribution to the final grade (see syllabus)
- If you get a perfect attendance, then I will add up to 3 points to upgrade your final grade

There will be three exams during this course that will test your understanding of physics concepts:

- Exams will count towards 70% of the final grade
- The highest grade will count 40% and the second highest grade will count 30%
- The lowest grade exam will be dropped.
- Exams will be closed book but you are allowed to bring 1 page handwritten note to the exam. Printouts and pictures are not allowed.
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• If you are planning to use phones/tablets during class sessions, please don’t disturb other students.
We will use WILEYPLUS on-line service for homework, link is included in the syllabus.

Students needing testing or classroom accommodations are encouraged to discuss their needs soon.

Exam dates: Sep 22, Oct 27 and Nov 15

Exams may shift depending on the progress of the class and will be notified in advance.

You are encouraged to keep up with the course schedule by reading textbook sections covered in the class.