

Instructor: Melvin Okamura email: mokamura@physics.ucsd.edu TA: Mariano Gabitto email: mgabitto@physics.ucsd.edu

Course Information

Course Syllabus on the web page http://physics.ucsd.edu/students/courses/fall2007/physics1c

Instructor: Mel Okamura – <u>mokamura@physics.ucsd.edu</u> Office: 1218 Mayer Hall Office Hrs. Wed , Thu 2-3 pm or by appointment

TA: Mariano Gabitto – <u>mgabitto@physics.ucsd.edu</u> Office: TBA Office Hrs: TBA

Text. Physics 1 Serway and Faughn, 7th edition, UCSD custom edition.

Class Schedule

Lectures

- Mon. Wed. Fri. 12:00-12:50 pm WLH 2001
- Quizzes – Alternate Fri. 12:00-12:50 pm WLH 2001
- Problem Session

 Thu. 5:00-6:50 pm WLH 2005

Grades

- Bi-weekly quizzes (4) will be held on Friday. You are allowed to drop 1 quizzes. There will be no make-up quizzes.
- Final exam covering the whole course.
- The final grade will be based on Quizzes 60% (best 3 out of 4 quizzes) Final exam 40% Extra credit 5% (clicker responses)

Homework

- Homework will be assigned each week.
- Homework will not be corrected but quiz questions will resemble the homework.
- Solutions to the homework problems will be posted on the web page.



Outline

- weeks 1-2 Oscillations and Waves
- weeks 3-4 Electromagnetic waves and light
- weeks 5-6 Optics
- weeks 7-10 Modern Physics

1.1 Oscillations

- Kinematics sinusoidal waves
- Dynamics -Newton's law and Hooke's law.
- Energetics Conservation of Energy
- · Mass on a spring
- Pendulum





























