

ERHS Physics

Course Syllabus

General Information:

Course: PHYSICS A and B (P)

Instructor: Mr. Rodriguez

email: crodriguez@righetti.us

phone: 937-2051 ext 2111

website: <http://crodriguez.righettiscience.com>

Text: PHYSICS: Principles and Problems

Course Description:

This is a year long course designed to concentrate on the following aspects of classical physics: mechanics (laws of force and motion, vectors, universal gravitation, work and energy), waves and light, electricity and magnetism and nuclear processes.

Prerequisite: "B-" or better Algebra II

Required materials: Students are required to provide a scientific calculator, and have their text and writing materials every day in class. Internet access from home is highly recommended, but not required.

Grading Procedures:

General: All written work is graded for neatness, completeness, accuracy, grammar and spelling. All work is assigned a point value. For example, most chapter tests are assigned a value of 100 points, quizzes 30 points and labs 15 points, and homework assignments are worth 4 points. At the end of the grading period, all points to date are totaled and a percent score is determined for each student by dividing the number of points the student earned by the number of assigned points possible. Letter grades are then assigned based on the following scale:

- 90 -100 % of all possible points -----> A
- 80 -89 % of all possible points -----> B
- 70 -79 % of all possible points -----> C
- 60 -69 % of all possible points -----> D
- Below 60 % of all possible points -----> Failing

Tests: Chapter tests will be given approximately every three weeks, and are always announced in advance. Tests are usually worth 100 points and may cover more than one chapter from the text.

Quizzes: At least one, and often two quizzes will be given during each chapter of the text or other unit covered. Each quiz will normally be worth 30 points. Some quizzes may not be announced in advance.

Lab Exercises: Lab exercises accompany most units and always will require a written report.

Participation: Students will earn participation points for being on time, prepared for classwork, and exercising respect for lab and classroom facilities and equipment

Homework: All classroom assignments are given a week in advance. Each week, usually on Friday, students will receive assignments for the following week. Assignments are posted in class and on the class web page at:

<http://crodriguez.righettiscience.com>

All assignments are DUE at the BEGINNING of the period on the day they are listed for. Homework may not be done in class. Homework is not accepted late except as noted under *Makeups* below.

Extra Credit: Extra credit is NOT offered in this course

Final Exam: A final exam is given at the end of each semester, covering the course material from that semester only. This exam will count as TWO chapter tests. Those students who maintain a **92.0%** average or better on tests, 92 % of all homework completed, **AND** the a completed final review will be exempt from the final, and will receive their cumulative test average as a percentage in lieu of taking the actual exam. Students exempted from the final are not excused from attending the final period!

