

<u>General Information:</u> Course: <u>PHYSICS A and B (P)</u> Instructor: <u>Mr. Rodriguez</u> email: crodriguez@righetti.us website: <u>http://crodriguez.righettiscience.com</u>

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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!

Cheating, Discipline, Citizenship and Attendance: Any form of cheating in physics will receive a zero grade for that assignment and disciplinary action. Copying or sharing homework, laboratory reports, or during tests is considered cheating. During tests, the person providing the information (knowingly or not) as well as the cheater will receive a zero grade, so cover your work during testing.

Makeups: : You are given one week to makeup laboratories (due to excused absences). If you are absent on a lab day, plan immediately when you will make it up. Failure to makeup assignments within a week will result in a zero grade. One make-up test will be given for each 6 week grading period. This will be a unit test covering all material assigned during the previous 6 weeks in class and will be given during the last week of the grading period, during class time. The score earned on this test will be entered in place of all missed test and quizzes (excluding unexcused absences.) No other make up opportunity will be offered. Mr. Rodriguez makes every attempt to NOT give tests on days when it is known in advance that several students will be out of class for school sponsored events, BUT, there is no special dispensation for students who miss tests for these reasons. Athletes will be expected to use the make up test day if they are out on the first test day. Students who have no required make ups may take the unit test as an option to improve their weakest test or quiz score. Work missed for unexcused absences such as cuts **may not be made up**.

Calculators: A scientific calculator is recommended for this course. Programmable calculators are not permitted during tests, and students are not permitted to lend or borrow calculators during tests.

Electronics: Tablets must remain away during class unless otherwise instructed by the teacher. Tablets are to be used for appropriate educational purposes only. Tablets being used for any other purpose along with all cell phones and music players agers will be confiscated if they are out during class. Parents will have to come pick them up.

Classroom Expectations.

1. Eating or drinking is not permitted (including chewing gum).

2. No teasing, shouting, disrupting or disrespectful behavior.

3. No throwing of any object in the classroom.

4. Keep your hands, feet, and any other object off other people and their property.

5. Remain in your seat or at your lab station unless given permission to leave. Mr. Rodriguez excuses the class at the end of the period, not the bell.

6. No grooming during class.

7. Come prepared for scheduled class activities. Everyday, students are to be in their seats when the final bell rings. At the beginning of each period, each student is to have the class textbook, writing utensil and notebook on top of the desk.

8. Laboratory materials become the financial responsibility of the student when checked out, for use during the period. Be careful with your equipment.

9. Students are expected to clean lab areas following experiments, and to leave their assigned seating area clean. 10. "Horseplay" is not tolerated at all during labs. Students whose actions are deemed by the teacher to represent a safety hazard will be immediately ejected from the classroom. Stem disciplinary action will follow. Such students may not be permitted to take part in further lab activities.

11. Students are expected to pay attention during lecture and help to maintain a distraction-free learning environment. This means that you do not talk to anyone unless it is in direct relation to assigned activities.

12. Students are expected to participate intelligently in class discussions when called upon.

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Student name (Print)_____

Period:_____

STATEMENT OF UNDERSTANDING

I have read the preceding rules and guidelines for Physics class, and understand the contents. I accept these guidelines and agree to follow them.