

## PHYSICS 203- 18 WEEKS LAB SYLLABUS (12:30 PM - FRIDAY - FA19 )

**INSTRUCTOR:** Carlos R. Mera  
**OFFICE:** PST-130  
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**OFFICE HOURS:** Wednesday: 2:30 PM to 3:30PM, Thursday: 4:30 PM to 5:30 PM, Friday: 4:45 PM to 5:45 PM, or by appointment.  
**TEXTBOOK:** Physics 203 Lab Manual  
**MATERIALS:** USB Drive, pencil, ruler, calculator and other materials as needed.

**Overview:** The experiments will be performed according to the attached tentative schedule. Students will be allowed to work with a partner and turn in one report per group. Students are expected to become familiar with the experiments ahead of time and come to class prepared, having read the experiment and reviewed the theory presented in lecture and available in the textbook. In addition, attendance to the first week of lecture and lab is mandatory. Students missing any lecture or lab meeting during the first week of school will be dropped from the class. No exceptions.

**Class Hours:** 12:30 PM to 3:20 PM, Friday  
**Section:** [22811](#)  
**Location:** PST - 133

**Prerequisite:** The prerequisites for this class are **Physics 201 and Math 190 (Calculus II)** is a co-requisite. Students will be dropped from this class if they don't meet the prerequisites. I will not sign any paper work to allow students to remain enrolled in the class if they are dropped by the computer system in the middle of the semester for lack of prerequisites, regardless of what their grade in the class is at that point in time.

**Pre-lab Lecture:** A detailed pre-lab lecture describing that day's experiment will be provided. This lecture will include but is not limited to, an explanation of the experiment, theory and any safety warnings. **You are expected to stay in the room during the entire pre-lab lecture. Students leaving during the pre-lab lecture for long periods of time will either lose points or be dismissed for the day.**

**Reports:** Each group (2 students per group max) will submit a complete report for each experiment. Only one report per group will be accepted, so make sure that you select your lab partner well. The report must have both partners' names. The grade, including late reports penalties, will be for both students. Each report will be worth 100 points. Follow the section on writing a lab report from the lab manual. The reports are due by **12:30 PM** on the due date listed on Canvas and must be submitted through Canvas. Reports submitted through email will not be accepted. Any late reports will suffer a **25 points deduction** for every day or fraction of a day they are late. I will go by the clock in Canvas not your clock. Any experiment no perform will result in a zero grade. No reports will be accepted once the assignment has closed in Canvas.

**Attendance:** **Only students enrolled in this class may be in attendance. Leave children, family, friends and pets at home.** You need to be present for every class meeting. If you missed a lab session your grade for that lab will be zero. Students will not be allowed to switch labs during the semester or make up labs by coming to another lab section. **No exceptions.** It creates problems when students feel that they can just attend lab any day of the week. Finally, missing too many meetings could result in you being dropped from the class. You will be dropped if you miss **two (2) lab meetings** during the semester.

**Participation:** This is a laboratory course and, therefore, you are expected to participate. Participation in this class is not limited to just attendance, but also requires that students complete a minimum amount of work during the lab period. Your instructor will determine the amount of work to be completed each week and will announce it during class. All work must be finished during the allocated lab time. Students will not be allowed to return at a later time to complete an experiment.

**Tardiness:** Students that come in late are usually behind the rest of the class in understanding because they missed part of the pre-lab lecture. Therefore, they become a burden to their lab partners. I will take roll at **12:30 PM** every class meeting. Anybody missing the roll will lose **15 points** for that day's experiment. Furthermore; I might choose not to allow a student perform a experiment at all, if such student is very late to class.

**Make up labs:** No makeup labs will be offered. The lowest lab score will be dropped to compensate for this. **Only one lab score will be dropped.**

**Extra Credit:** There is no extra credit in this class. You must earn your points based on the regular assignments provided to you.

**Lab Final:** There will be a final practicum during the last lab meeting. Students will have an **hour and 15 minutes** to collect data and draw a conclusion for a given question. The lab final is worth 10% of your lab grade and it is **not** one of the scores that will be dropped.

**Grading:** Your grade will be determined by the totals from your lab reports and lab test. I will give your lecture instructor a percent not a letter grade. I will post your lab grades on Canvas. Grades will not be rounded. Please check your grades regularly for accuracy.

**Student Code of Conduct:** Behavior which is disruptive is not appropriate to the classroom. I will follow the Student Code of Conduct published by Cerritos College and listed in the schedule of courses.

**Cell Phones & Pagers:** All cell phones and pagers must be either turned off or in vibration mode. Anyone engaged in a cell phone conversation during class time will be asked to leave the room and marked absent for that day. A second infraction of the same type will result in disciplinary action. **I do not allow for phones to be use at all during the lab.**

**Headphones:** Headsets and ear buds are not allowed during lab and exams.

**Lab rules:** Please become familiar with the general rules for the Physics labs and classrooms. The most important one is that **No food or drinks are allowed inside the Lab Rooms.**

**Students With Disabilities:** Cerritos Community College is an equal opportunity, affirmative action employer and educational institution committed to excellence through diversity. Reasonable accommodations including materials in an alternative format will be made for individuals with disabilities. For more information, please contact CC Disabled Student Programs and Services, at 562-860-2451 ext. 2335.

**Academic Honesty:** The school policies and regulations will be applied in all cases. Anyone caught cheating will received a zero for the assignment for the first offense. A second offense will result in disciplinary action. No amount of pleading or apologizing will change this action, even if it is the first offense. Helping a cheater is also cheating and will receive the same penalty. **A zero received in an assignment because of cheating will not be dropped as the lowest score.**

**Student Learning Outcomes (SLOs):** A student completing a Physics 203 Lab will be able to:

1. Students will analyze real-world experimental data, including appropriate use of error propagation, units and significant figures.
2. Students will relate the results of experimental data to the physical concepts discussed in the lecture portion of the class.
3. Students will understand units and dimensions not presented in Physics 201 or 202.

**Withdrawal:** Withdrawal from the course is the responsibility of the students. Check the class schedule for the official withdrawal deadline. The last day to drop (with a grade of "W") is **November 22<sup>nd</sup>**.

**Final Comments:** The points in this class must be earned during the semester. There will be no last minute discussion at the end of the semester about extra points. Also, please, make sure you keep track of exams dates and assignments due dates. Do not schedule any other type of activity during those dates, since no make up exams or assignments will be provided. Finally, do not plan to leave on vacation before the end of the semester. You will not be allowed to perform any

labs or exams before the date established in the class schedule. This includes final exams. No final exams will be given before the final exam date published in the school's or class schedule.