

PHYS 2113 – GENERAL PHYSICS I
Spring Semester 2010

Instructor	Dr. Orion Ciftja	Office Hours	M. 10-11 12-2; W. 10-11 12-2; F. 10-11 12-2
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Phone	936-261-3137	Time and Place	P01: MWF 9 -9:50am, Room A104 P02: MWF 11-11:50am, Room 103

CATALOG DESCRIPTION: Semester credit hours: 3. General Physics course with no calculus.

TEXTBOOK: Essentials of College Physics, Serway and Vuille (Thomson-Brooks/Cole).

COURSE GOAL: This is the first course in introductory college physics. It is designed for students who plan to major or specialize in one of the areas of medicine, veterinary, or in one of the many areas of technology, including computer science. At least one year of physics is the minimum prerequisite for specialization in one of these fields.

COURSE OUTCOMES: Upon completion of this course, it is expected that the students will gain enough knowledge of the theory covered to apply it to the solution of a wide range of practical problems that involve physics. Hopefully this will help the students to better understand the theory of operations of many instruments and devices that they will encounter as they become employed in the various fields mentioned earlier. In addition, it will help them solve new problems that they will possibly meet on their various fields of employment that require basic knowledge of physics.

COURSE POLICIES: This course uses the lecture format. Selected materials in each chapter will be covered in lecture. You should read the entire assigned chapter before class. The lecture will not replace reading the materials. The lecture will be to amplify and explain the materials in the textbook. Homework problems will be assigned during the entire semester for each chapter covered. It is expected that the student solve these problems prior to the next class meeting. Any student unable to solve a particular assigned problem should contact the professor. Pop quizzes may be given occasionally on covered materials. It is expected that you will need to spend at least two hours studying outside the class for each hour spent in class. That means you should plan to devote a minimum of six hours per week for this class.

PERFORMANCE EVALUATION AND GRADING: There are four exams in this class. Under all circumstances, the mid-term and the final exam are in-class exams taken at a prescribed time. Two exams are given during the first half of the semester and two more exams during the second half of the semester. Each exam is worth 20 points and a total of 80 points of your final grade. Makeup examinations are given ONLY for a university-approved absence verified in writing. The remaining 20 points of your final grade will come from two homework assignments. Upon the discretion of the Instructor, bonus points will be available from quizzes, classroom attendance rolls and any special project(s) together, any or some of them chosen by the Instructor. Homework assignments should be turned in on their due dates. No late homework assignments will be accepted.

Based into a percentage scale of total points earned relative to the maximum of points available, the grading system is as follows:

90 – 100	A
80 - 89	B
70 - 79	C
60 - 69	D
0 - 59	F

ORAL AND WRITTEN COMMUNICATIONS: Oral or written communications will be given through exams, homework, classroom discussions and use of optional web-based materials.

ATTENDANCE POLICY: Class will start and end at the prescribed times. Attendance at every class is expected and is each student's responsibility. Absence or tardiness may result in lowered grades. Excessive absenteeism, whether EXCUSED or UNEXCUSED, may result in a student's course grade being reduced or assignment of a grade of "F". Absences are accumulated beginning with the first day of class. The University Undergraduate Catalog provides more detailed information.

GRADE OF "I": A grade of "I" may be given in cases of documented emergencies or tragedies that prohibit a student from completing a course. In order to receive a grade of "I", approval must be granted by the Department Head and College Dean prior to the final examination time.

COURSE OUTLINE

Week (Starting on)	Topic	Note
1 (Jan. 18)	Ch. 1: Introduction	No Classes Jan 18, MLK Day
2 (Jan. 25)	Ch. 2: Motion in one dimension	
3 (Feb. 1)	Ch. 2: (continued)	
4 (Feb. 8)	Ch. 3: Vectors and two-dimensional motion	
5 (Feb. 15)	Ch. 4: The laws of motion	Exam # 1
6 (Feb. 22)	Ch. 4 (continued)	
7 (Mar. 1)	Ch. 5: Energy	
8 (Mar. 8)	Ch. 5: (continued)	Exam # 2
9 (Mar. 15)	SPRING BREAK	NO CLASSES
10 (Mar. 22)	Ch. 6: Momentum and Collisions	
11 (Mar. 29)	Ch. 7: Rotational Motion and the law of gravity	No Classes Apr. 2, Good Friday
12 (Apr. 5)	Ch. 8: Rotational equilibrium and rotational dynamics	Exam # 3
13 (Apr. 12)	Ch. 8: (continued)	
14 (Apr. 19)	Ch. 9: Solids and fluids OR Ch. 13 & Ch. 14: Vibrations and waves; Sound	
15 (Apr. 26)	Ch. 9 or Ch. 13 & 14 (continued)	
May 3	Review and study days	
May 7-12	Final exam week	Class Final Exam TBA

THIS SCHEDULE IS SUBJECT TO CHANGE

University Rules and Procedures

Disability statement (See Student Handbook):

Students with disabilities, including learning disabilities, who wish to request accommodations in class, should register with the Services for Students with Disabilities (SSD) early in the semester so that appropriate arrangements may be made. In accordance with federal laws, a student requesting special accommodations must provide documentation of their disability to the SSD coordinator.

Academic misconduct (See Student Handbook):

You are expected to practice academic honesty in every aspect of this course and all other courses. Make sure you are familiar with your Student Handbook, especially the section on academic misconduct. Students who engage in academic misconduct are subject to university disciplinary procedures.

Forms of academic dishonesty:

1. Cheating: deception in which a student misrepresents that he/she has mastered information on an academic exercise that he/she has not mastered; giving or receiving aid unauthorized by the instructor on assignments or examinations.
2. Academic misconduct: tampering with grades or taking part in obtaining or distributing any part of a scheduled test.
3. Fabrication: use of invented information or falsified research.
4. Plagiarism: unacknowledged quotation and/or paraphrase of someone else's words, ideas, or data as one's own in work submitted for credit. Failure to identify information or essays from the Internet and submitting them as one's own work also constitutes plagiarism.

Nonacademic misconduct (See Student Handbook)

The university respects the rights of instructors to teach and students to learn. Maintenance of these rights requires campus conditions that do not impede their exercise. Campus behavior that interferes with either (1) the instructor's ability to conduct the class, (2) the inability of other students to profit from the instructional program, or (3) campus behavior that interferes with the rights of others will not be tolerated. An individual engaging in such disruptive behavior may be subject to disciplinary action. Such incidents will be adjudicated by the Dean of Students under nonacademic procedures.

Sexual misconduct (See Student Handbook):

Sexual harassment of students and employers at Prairie View A&M University is unacceptable and will not be tolerated. Any member of the university community violating this policy will be subject to disciplinary action.

Attendance Policy:

Prairie View A&M University requires regular class attendance. Excessive absences will result in lowered grades. Excessive absenteeism, whether excused or unexcused, may result in a student's course grade being reduced or in assignment of a grade of "F". Absences are accumulated beginning with the first day of class.

Student Academic Appeals Process

Authority and responsibility for assigning grades to students rests with the faculty. However, in those instances where students believe that miscommunication, errors, or unfairness of any kind may have adversely affected the instructor's assessment of their academic performance, the student has a right to appeal by the procedure listed in the Undergraduate Catalog and by doing so within thirty days of receiving the grade or experiencing any other problematic academic event that prompted the complaint.