

**Valencia Community College
Introductory Physics I- PHY 1053C
CRN 26246 Spring Semester 2011**

Instructor Information:

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Course Information:

Course title	Introductory Physics I- PHY 1053C
Course credits/ contact hours	4 credit hours, 6 contact hours
Required text	Physics by James S. Walker 4 th ed.
Chapters	1-13, 15-18
Class location/time	S 1-112 (Lecture) 8:00-10:45 am / S 1-110 (Lab)/ 11:00-1:45 pm
Prerequisites	High school trigonometry with a minimum grade of C or MAC 1114 or MAC 1147

Course Description:

Fundamental principles of mechanics, heat and sound. For students whose requirements for baccalaureate degree include basic courses in Physics

Semester Dates	Jan 10, 2011 – May 1, 2011
Withdrawal Deadline – W Grade	March 25, 2011
Final Examination	Sunday, May 1, 2011, 8:00-10:30 am

Grades:

Test 1	15%
Test 2	15%
Test 3	15%
Test 4	15%
Final Exam	20%
Labs and Problem Assignments	20%

Tentative Course Schedule:

DATE	ACTIVITY
1/16	Ch 1-2
1/23	Ch 3-4
1/30	Exam 1
2/6	Ch 5-6
2/13	Ch 7-8
2/20	Exam 2
2/27	Ch 9
3/6	Ch 10-11
3/13	Spring break
3/20	Exam 3
3/27	Ch 12-13
4/3	Ch 15
4/10	Exam 4
4/17	Ch 16-17
4/24	Ch 18
5/1	Final Exam

Attendance: Regular attendance and class participation are the most important factors that promote success in college. It is wisest to attend class and be prepared for each scheduled lecture. Read each chapter before its scheduled lecture, then come to class with appropriate questions. Attendance in the laboratory is mandatory for credit on the lab reports.

No tests, exams, labs or problem assignments may be made up. Lab reports and problem assignments must be handed in on the assigned date. Letter grades will be assigned according to the following scale:

A: 90% - 100%	D: 60% - 69%
B: 80% - 89%	F: Less than 60%
C: 70% - 79%	

Cell Phones: Students are required to turn off all cell phones and pagers before the beginning of class. If a cell phone or pager vibrates or is audible, the student may be asked to turn it off or leave for the remainder of the class. If there is an emergency situation warranting the use of a cell phone or pager during class time, the student must notify the professor in writing prior to the beginning of class.

Laboratory Policies:

- Each student will prepare an independent laboratory report regardless of the method by which the data was gathered. Writing a single report for a lab group will not be acceptable.
- No food or drinks are allowed in the laboratory. This policy is for your safety and the safety of the equipment.
- Lab reports are due at the beginning of class one week after the assigned laboratory period.

Laboratory Report Format:

Laboratory report may be produced on a computer word program, typed, handwritten, or any combination of the above. The report is to be in written narrative form with graphs, tables, equations, and computations properly connected and explained with words to support the written report. The report should flow smoothly and be easy to follow.

Laboratory Report Content:

- Title
- Your name and the date the experiment was performed
- The objective of the experiment
- Equipment used in the experiment, including a diagram where appropriate
- Procedure
- Data collected in the experiment
- Analysis of the data
- Error analysis
- Conclusions drawn from the experiment
- Physical concepts demonstrated by the experiment
- Original data taken in lab attached to the report

Laboratory Report Grading based on:

- Presentation
- Correct calculations
- Correct use of graphs and diagrams
- Demonstration of an understanding of the underlying theory being tested
- Your proper analysis of the validity of the results that you obtained

Homework:

- Homework is suggested for your benefit.
- Homework will not be graded.
- Homework problems are probably the most difficult portion of the course to keep up with. Homework problems are also probably the most important part of your learning process in this course.
- You are to be prepared to discuss your homework problems in class.

Problem Assignments

From time to time problems may be assigned to be turned in for grading. These assignments will be made in class and a deadline for turning them in will be announced in class. The grade on each problem assignment will be determined using the same criteria as Laboratory Report Grading.

Final Notes: It is your responsibility to complete your work assignments and to prepare for your tests in a timely and orderly fashion; to follow the guidance of the professor and the structures of the atmosphere created by Valencia and the professor; and to perform your work in a timely manner with a conscious desire to learn so that your learning in the discipline of physics can occur. It takes both of us working together to make your learning in this course a success.

Disclaimer Statement: This outline may be altered, at the instructor's discretion, during the course of the term. It is the responsibility of the student to make any adjustments as announced.

Students with Disabilities: Students with disabilities who qualify for academic accommodations must provide a letter from the Office of Students with Disabilities (OSD) and discuss specific needs with the instructor, preferably during the first two weeks of class. The Office for Students with Disabilities determines accommodations based on appropriate documentation of disabilities.

Final Exam Policy: The final examination in this course is MANDATORY. Any student not completing the exam will receive a grade of F for the course.

Withdrawal Policy: Per Valencia Policy 4-07 (Academic Progress, Course Attendance and Grades, and Withdrawals), a student who withdraws from class before the established deadline for a particular term will receive a grade of "W." A student is not permitted to withdraw after the withdrawal deadline. A faculty member MAY withdraw a student up to the beginning of the final exam period for violation of the class attendance policy. A student who is withdrawn by faculty for violation of the class attendance policy will receive a grade of "W." Any student who withdraws or is withdrawn from a class during a third or subsequent attempt in the same course will be assigned a grade of "F."

Academic Honesty: Plagiarism is defined as claiming as your own a paper, report, article, or speech which in whole or in part was prepared by someone other than yourself. Cheating on an exam or copying someone else's laboratory report is also a violation of this policy. A violation of this policy can result in failure of an assignment, the entire course, or your current status as an active student. Each student is expected to be informed and compliant with the college policy on academic honesty as stated in the Student Handbook.

Expected Student Conduct: Valencia Community College is dedicated not only to the advancement of knowledge and learning but is concerned with the development of responsible personal and social conduct. By enrolling at Valencia Community College, a student assumes the responsibility for becoming familiar with and abiding the general rules of conduct. The primary responsibility for managing the classroom environment rests with the faculty. Students who engage in any prohibited or unlawful acts that result in disruption of a class may be directed by the faculty to leave the class. Violation of any classroom or Valencia's rules may lead to disciplinary action up to and including expulsion from Valencia. Disciplinary action could include being withdrawn from class, disciplinary warning, probation, suspension, expulsion, or other appropriate and authorized actions. You will find the Student Code of Conduct in the current Valencia Student Handbook.

Valencia Student Core Competencies: Valencia faculty have defined four interrelated competencies (Think, Value, Communicate, ACT) that prepare students to succeed in the world community. These competencies are outlined in the college catalog. In this course, through lecture and discussion, group work, and other learning activities, you will further develop your mastery of those competencies.

Computer/Equipment Use Policy: Use of computers in the Business, IT, and Public Service classrooms at Valencia Community College is restricted to those activities designated by the instructor to enhance the class materials. Any other use is strictly forbidden. Inappropriate use includes, but is not limited to:

Use of computer to send Email or access Internet sites not specifically assigned in class.

Use of computer for job, internship, or other activities not assigned in class.

Modifying any hardware or software system configuration or setting.

Activities not in accordance with the Valencia Student Code of Conduct.

Use of computers in the departmental open lab is limited to those activities involved with preparing homework or coursework in this department and is subject to the same restriction as listed above.

Computer use is remotely monitored; any student using computers inappropriately may be subject to dismissal from class or banishment from the lab. Subsequent offense may be sent to the campus administration for further disciplinary action.