

PHYS 1010, Elementary Physics
Spring 2012
MWF 9:30–10:20 SCNCE 326

Instructor: Dr. Larry Smith SCNCE 111 283-7520 Larry.Smith@snow.edu <http://www.snow.edu/larrys>

Snow College Master Course Syllabus: <https://www.snow.edu/syllabus/pdf.php?syllabus=8987>

Goals: I invite you to come with me as fellow learners on an exciting journey. We will use physics as a vehicle to learn to apply scientific reasoning and computational skills in a variety of contexts. Students will learn to think deeply about the physical universe and how to solve problems. Students will become familiar with important scientific laws and principles and will learn that science is a process to gain knowledge. Students will also learn to appreciate and understand the world around them.

Texts: **Conceptual Physics** 10th ed. by Paul Hewitt ISBN-10: 0805391908 ISBN-13: 9780805391909.
Required Supplement: Problem Solving in Conceptual Physics by Hewitt and Wolf ISBN 0-8053-9377-3.
Also a PHYS 1015 Experiments lab packet from Majock Books for lab.

Other Materials: A calculator capable of exponential notation and trig functions. You are responsible for information given over e-mail (sign up on the LS-Orange e-mail list).

Prerequisites: Math 1010 or equiv. Corequisite: concurrent enrollment in PHYS 1015.

Homework: Homework will be assigned every chapter; some may be assigned (and turned in) over e-mail. You are encouraged to study in groups to achieve understanding, but what you write on your paper must be your own work--don't turn homework in without understanding it. Homework is due at the end of the class period after it is assigned. Homework that is late for any reason other than a pre-approved legitimate excuse will be worth 50% up to one week late; thereafter no credit will be given. No late homework after Apr. 17 will be accepted.

Participation: Ask questions in class (the more the better), come to office hours, go to the Math Lab, and help other students. You should also subscribe to the class e-mail list (LS-orange) and participate in discussions there. If you are serious about this class the majority of your learning will take place outside of class time. Working in groups is strongly recommended. Please expect to spend about two hours outside of class for every hour in class.

Help: Please work in groups; I strongly recommend this. You are encouraged to see me during my posted office hours (MWF 11:30-12:20, T 10:30-11:20) and at other times by appointment. Students with medical, psychological, learning or other disabilities desiring accommodations, academic adjustments, or auxiliary aids will need to contact the Disability Resource Center, room 221 Greenwood Center, phone number (435) 283-7244. The Americans With Disabilities Act (ADA) Coordinator at the Disability Resource Center (DRC) determines eligibility for and authorizes the provision of appropriate services and aids. Regular class attendance is expected of every student. A failing grade of "UW" (Unofficial Withdrawal) may be submitted by the instructor if a student ceases to attend or complete assigned coursework. To avoid the punitive impact of a "UW," it is the student's responsibility to officially withdraw from a course by submitting a "Change of Program" form no later than the tenth week of the semester. See the current catalog for more details.

Quizzes: Short frequent quizzes will help you stay caught up and keep you apprised of your progress.

Tests: There will be some tests in the testing center before the final exam. Take your photo ID, a #2 pencil, and your calculator. Testing Center hours are M-R 9 am–10:30 pm, F 9-5, Sa 12-4, Su 5-9.

Final Exam: Wednesday, May 2; 12:00–2:00, in the classroom. It will be comprehensive.

<u>Grading:</u>	Participation	10%	Quizzes	20%	Homework	20%
	Tests	25%	Final Exam	25%		