

Physical Science – Physics – SCIE 3301– Summer '09-'10

Instructor	Dr. Greg Hale 105 Life Science Building greg@hale.uta.edu phone: day: (817) 272-3807 (always try this number first) evening: (817) 275-7027 (before 8 PM) fax: (817) 272-3511 Office Hours: by appointment			
Schedule	Monday through Thursday 1:00 pm to 4:50 pm, 12/14-12/19; 1/4-1/8; 1/11			
Location	226 Science Hall			
Important Dates	6/28	Last day for “W”		
	7/1	Last Class and Test 3		
Course Materials	Optional text: <i>Inquiry Into Physics</i> , Ostdiek and Bord, 5 th edition Additional materials will be provided.			
Grading Policy	Homework	20%		
	Hands-on Labs and Notebook	20%		
	Exams	60%		
Points and Grades	A ≥90.00%	B ≥80.00%	C ≥70.00%	D ≥60.00%
Course Goal	Students will become more effective teachers of physics.			
Drop for Non-Payment of Tuition	If you are dropped from this class for non-payment of tuition, you may secure an Enrollment Loan through the Bursar's Office. You may not continue to attend class until your Enrollment Loan has been applied to outstanding tuition fees.			
Bomb Threats	In the event of a bomb threat to a specific facility, University Police will evaluate the threat. If required, exams may be moved to an alternate location, but exams will not be postponed . UT-Arlington will prosecute those phoning in bomb threats to the fullest extent of the law.			
Pass or Fail Grades	If P or F is a grade option in this class and you intend to take this class for a pass/fail grade instead of a letter grade, you MUST inform the instructor, through the necessary paperwork, of your intentions BEFORE the census date.			
Americans with Disabilities Act	The University of Texas at Arlington is committed to the spirit and letter of federal equal opportunity legislation. The Americans with Disabilities Act (ADA) provides those with disabilities with the same opportunities as all citizens. If you require an accommodation based on disability, I would like to meet with you in the privacy of my office, during the first week of the semester, to make sure you are appropriately accommodated.			

Learning Objectives

- 1) Students will use and correctly convert between metric system units.
- 2) Students will record measurements with appropriate levels of precision.
- 3) Students will organize and communicate data.
- 4) Students will determine the velocity and acceleration of objects.
- 5) Students will explain the vector nature of force.
- 6) Students will apply Newton's Laws to the motion of an object.
- 7) Students will determine the work done on an object.
- 8) Students will explain the connection between energy and work.
- 9) Students will design electrical circuits that represent a real-world situation.
- 10) Students will demonstrate knowledge of the connection between voltage, resistance and current in an electrical circuit.
- 11) Students will demonstrate knowledge of the fundamental properties of waves and their interconnections, particularly for sound and light waves.

Cell Phones

Please turn off cell phones when in class.

Academic Dishonesty

All students are expected to pursue their scholastic careers with honesty and integrity, and the Department of Chemistry and Biochemistry will not tolerate academic dishonesty in any form. "Scholastic dishonesty includes but is not limited to cheating, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts." (Regents' Rules and Regulations, Part One, Chapter VI, Section 3, subsection 3.2, Subdivision 3.22)

Examples of academic dishonesty includes:

- exchanging answers or information during a test or quiz
- looking at another student's paper during a test or quiz
- bringing notes in any form into the test or quiz, including written notes (crib sheets), digitally stored information (including formulas, constants, alpha-numeric material or text), or notes stored in any other medium
- looking at a book or other source during the quiz or test

During tests or quizzes, students are not allowed to use any hand-held calculators or computers which possess the capability of storing alpha-numeric or textual material. If the instructor allows the use of calculators on a particular test, then students may only use scientific calculators which are non-programmable. In addition, students are not allowed to have access to digital pagers during any test or quiz. Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and dismissal from the University. Since dishonesty harms the individual, all students, and the integrity of the University, policies on scholastic dishonesty will be strictly enforced.

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