

THE UNIVERSITY OF TEXAS AT EL PASO		
COLLEGE OF SCIENCE		
DEPARTMENT OF PHYSICS		
Course #:	CRN 30763	
Course Title:	PSCI 3304: PHYSICAL SCIENCE II	
Credit Hrs:	3	
Term:	SUMMER II 2014	
Course Meetings & Location:	MTWRF 2:00 pm - 4:10 pm	
Prerequisite Courses:	PHYSICAL SCIENCE I	
Course Fee: (if applicable)	-	
Instructor:	Dr. Felicia S. Manciu	
Office Location:	PSCI 215 C	
Contact Info:	Phone #	8472
	E-mail address	fsmanciu@utep.edu
	Fax #	5447
	Emergency Contact	8472
Office Hrs:	Monday 12:00 – 2:00 p.m.	
Textbook(s), Materials:	Required:	<i>Electricity Labs 1-7 - Student Materials</i> <i>Nature of Matter - Student Materials</i>
	Suggested:	<i>Conceptual Physics</i> 10 th edition by Paul G. Hewitt.
Course Objectives (Learning Outcomes):	<p>The student should master a working understanding of:</p> <ol style="list-style-type: none"> 1. the concept of charge (positive and negative). 2. simple electrical circuits containing: <ol style="list-style-type: none"> a. batteries, wires and light bulbs b. batteries, wires and motors c. batteries wires and capacitors 3. the atomic and molecular nature of matter 4. a sense of scale (size) of physical objects 5. the concepts of mass, volume, density and their relationship 6. the concepts of pressure and buoyancy 7. the concept of viscosity 8. a better understanding that the physical properties of materials not only depend on their molecular nature but also on how they are arranged and how big the “pieces” are. 	
Course Activities/Assignments:	<p>Course activities: Performing the experiments in class Class discussions Finding explanations for the experimental results (interactively)</p> <p>Course Assignments: Homework, Assigned reading.</p>	

Assessment of Course Objectives:	<p>Understanding of concepts is to be demonstrated by:</p> <ul style="list-style-type: none"> • accurately communicating them in written and verbal formats • correctly answering both short and long answer questions • completing hands-on activities <p>The learning outcomes will be tested in class discussions, quizzes, and exams.</p>								
Grading Policy:	<table> <tr> <td>Lab reports & Homework</td> <td>40 %</td> </tr> <tr> <td>Quizzes</td> <td>10 %</td> </tr> <tr> <td>Midterm</td> <td>20 %</td> </tr> <tr> <td>Final</td> <td>30 %</td> </tr> </table>	Lab reports & Homework	40 %	Quizzes	10 %	Midterm	20 %	Final	30 %
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Make-up Policy:	Make-ups of exams will be granted if and only if you have a valid excuse for missing them								
Attendance Policy:	Any absence without valid excuse will result in lowering the final grade with 5%. If you have 4 such absences you will be dropped from the course.								
Academic Integrity Policy:	<p>If an instructor suspects a student of cheating, he/she is to collect evidence that he/she believes indicates this (e.g. exams, student work, etc). This evidence is then turned over to the Assistant Vice President for Student Affairs (VPSA). The student will receive an incomplete on whatever piece of work is under consideration. No other actions will be taken by the instructor until the case is closed: no discussion, no accusation, and no different treatment. The student is encouraged to continue participating in the class. The VPSA will consider the evidence provided her and then contact the accused student (and possibly peers) and investigate the allegations. She will then make a decision as to whether cheating occurred and determine what the consequences will be. The instructor will be consulted by the VPSA as to whether the results of the investigation are acceptable to him/her. If acceptable, the instructor will simply carry out the consequences sent to both the student in question and the instructor in a formal letter from Student Affairs. While the seriousness of the identified dishonest actions determines the nature of the consequences, possible consequences include: a counted “zero” on the piece of work, a letter grade reduction, or being placed on academic probation. Students have the right to appeal a decision and participate in a formal public hearing.</p>								
Civility Statement:	<ul style="list-style-type: none"> • We will have breaks and you may eat and drink (if you’re careful). • Cell phones and pagers should be turned off (or set to vibrate) during class time. • If you miss 4 classes you will be dropped from the course. • When absences occur, it is your responsibility to obtain handouts and notes from your peers. When possible you will complete the activities you have missed. 								

Disability Statement:	<p>If you have a disability and need classroom accommodations, please contact the Center for Accommodations and Support Services (CASS) at 747-5148, or by email to cass@utep.edu, or visit their office located in UTEP Union East Building, Room 106. For additional information, please visit the CASS website at www.sa.utep.edu/cass.</p> <p>The student is responsible for presenting to the instructor any accommodation letters and instructions.</p>
Military Statement:	<p>If you are a military student with the potential of being called to military service and/or training during the course of the semester, you are encouraged to contact me as soon as possible.</p>
Course Schedule:	<p>Electricity Lab 1: Charge Electricity Lab 2: Current Electricity Lab 3: Direction of current Electricity Lab 4: Simple circuits (Series, Parallel) Electricity Lab 5: Resistance Electricity Lab 6: Capacitors Electricity Lab 7: Electric circuits</p> <p>Midterm exam (Electricity)</p> <p>Nature of Matter Lab 1: Mass, Volume, Density Nature of Matter Lab 2: Solids, Liquids, Gasses Nature of Matter Lab 3: Mixtures Nature of Matter Lab 4: Physical Changes Nature of Matter Lab 5: Chemical Changes</p> <p>Final exam (Electricity 25%, Nature of Matter 75 %)</p>