

**THE UNIVERSITY OF TEXAS AT EL PASO
COLLEGE OF SCIENCE
DEPARTMENT OF PHYSICS**

Course #:	PSCI 2303 CRN 34827
Course Title:	Physical Science I
Credit Hrs:	3.0
Term:	Summer 2018
Course Meetings & Location:	MTWRF 11:40 AM – 1:50 PM, Physical Science Bldg. 224
Instructor:	Dr. José Leo Bañuelos
Office Location:	PSCI 215C
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Emergency Contact:	(915) 747 5715
Office Hrs:	Wed 3:00pm – 5:00pm and by appointment
Textbook(s), Materials:	<i>Conceptual Physics</i> 12 th edition. by Paul G. Hewitt. It can be bought bundled with Mastering Physics (the online homework) <i>Kinematics: Student Materials PSCI 2303.</i> <i>Light and color: Student Materials PSCI 2303.</i> <i>Heat and conservation of energy: Student material PSCI 2303.</i> These are spiral bound lab books for sale UTEP Print Shop (Hertzog Building).

Course Objectives (Learning Outcomes):

PSCI 2303 will introduce you to topics in physics and chemistry. Understanding of concepts will be demonstrated by accurately communicating them in written and verbal formats, correctly answering both short and long answer questions, and completing hands-on activities.

Grading Policy:

Grades in this course will be based on your scores on three exams plus a final exam (comprehensive; but with emphasis on the last part of the course), laboratory, homework assignments, attendance and in-class participation, and quizzes.

Midterm exams:	45% (15% each)
Final exam:	15% (comprehensive)
Lab reports (done in class)	15%
Participation/attendance	10%
Homework:	15%
Attendance	10%

Course Activities/Assignments:

1. Homework

It is essential you develop good problem solving methods: this includes developing reasoning and writing skills to set up a problem, including diagrams. A numerical score will be assigned for each homework set. **Please do not fall behind because future material generally depends on previous material. Seek help immediately.** Please form study

groups with your classmates and seek help from any TA during his/her office hours as you attempt to solve problems.

REGISTER FOR ONLINE HOMEWORK BY FOLLOWING INSTRUCTIONS:
Student_Registration_Handout_banuelos31376.pdf in the “Instructions, Guides, Resources” link on your Blackboard Home Page

There are several online homework access options:

- 1. Provide the access code given to you when you purchased the textbook.**
- 2. Purchase the electronic text (e-text) plus 3e Tech update.**
- 3. Purchase the 3e Tech update only.**

EACH STUDENT WILL NEED HIS/HER OWN ONLINE ACCESS PACKAGE FOR THE HOMEWORK AS THE BARE MINIMUM PURCHASE FOR THIS COURSE.

Short online homework (~30min) will be assigned nearly every day. Each will consist of problems based on the course and reading material. Please check Pearson Mastering Physics and your emails often.

2. In-class Participation

Punctual attendance is critical. Class begins promptly at 11:40 am. 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. Three lates (10 minutes or more) will count as an absence. 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.

3. Exams

Exams will consist of problems very similar to the worked example problems in the text and the assigned homework problems. Exams will be closed-book unless I state otherwise. You should bring with you a pocket calculator to work out the answers to numerical problems. Cell phone use is NOT ALLOWED during the exams!

The final exam is scheduled to take place Monday, August 6th 1:00 pm – 3:45 pm according to the UTEP Summer 2018 Final Examination Schedule: (Find link inside the UTEP Registrar's home page: <https://www.utep.edu/student-affairs/registrar/>)

The best way to prepare for the exams is to study the example problems, work out the assigned homework problems regularly, work through and understand all concepts covered in the lab activities, and complete any revision guides given to you.

Make-up Policy:

An extension of the due date for the homework as well as the make-up of missing exams will be granted only in extraordinary circumstances. Late homework will be penalized at a rate of 8% of the maximum score for each day it is late.

Attendance Policy: No credit will be granted for just attending the class. You are expected to arrive to class on time, and participate in all problem-solving exercises.

Academic Integrity Policy:

A fundamental principle for any educational institution, academic integrity is highly valued and seriously regarded at The University of Texas at El Paso. More specifically, students are expected to maintain absolute integrity and a high standard of individual honor in scholastic work undertaken at the University.

Any student who commits an act of scholastic dishonesty is subject to discipline. Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, 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.

Please see: <http://sa.utep.edu/osccr/academic-integrity/> for more information and the UTEP Handbook of Operating Procedures: <http://admin.utep.edu/Default.aspx?tabid=73922>

Civility Statement:

Cell phones and pagers should be turned off during class time.

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.

Academic integrity is to be practiced at all times.

Disability Statement:

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 <http://sa.utep.edu/cass/>. The student is responsible for presenting to the instructor any accommodation letters and instructions.

Military Statement:

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 the instructor at the beginning of the semester.

Tentative Timeline:

Day 1 - July 10

Introduction

Kinematics Exp. 1

Read Ch 2

Mastering Physics HW CH2

Day 2 - July 11

Read Ch 3

Kinematics Exp. 2.

Mastering Physics HW CH3

Day 3 - July 12

Read Ch 4

Kinematics Exp 3

Mastering Physics HW CH4

Day 4 - July 13

Kinematics Exp. 4

Read Ch 5

Mastering Physics HW CH5

Day 5 - July 16
Kinematics Exp. 5

Day 6 - July 17
Kinematics Exp. 6
HW 5 HWs from Student Material p.53-57.
Newton's second law lab.

Day 7 - July 18 Midterm exam 1
Read Ch 7
Mastering Physics HW CH7

Day 8 - July 19
Read Ch 15
Heat: Investigation H1.
Mastering Physics HW CH15

Day 9 - July 20
Read Ch 16
Heat: Investigation H2
Mastering Physics HW CH16

Day 10 - July 23
Heat: Investigation 3
Read Ch 17
Mastering Physics HW CH17

Day 11 - July 24 Midterm exam 2

Day 12 - July 25
Heat Investigation 4
Read Ch 26
Mastering Physics HW CH26

Day 13 - July 26
Light: Investigation 1
Light: Investigation 2
Read Ch 27
Mastering Physics HW CH27

Day 14 - July 27
Light: Investigation 3
Read CH 28
Mastering Physics HW CH28

Day 15 - July 30 Midterm exam 3
Complete Light: Investigation 3

Day 16 - July 31
Light: Investigation 3

Day 17 - Aug 1
Light: Investigation 5
Light: Investigation 6

Day 18 - Aug 2 Review

Day 19 - Aug 3 Final exam review

Day 20 -Aug 6 Final exam