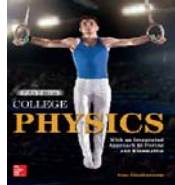


**THE UNIVERSITY OF TEXAS AT EL PASO
COLLEGE OF SCIENCE
DEPARTMENT OF PHYSICS**

Course #:	PHYS 1403 CRN 25348													
Course Title:	General Physics I													
Credit Hrs:	4.0													
Term:	Spring 2020													
Course Meetings & Location:	TR 1:30 – 2:50 PM, Undergraduate Learning Center 342													
Prerequisite Courses:	-													
Course Fee: (if applicable)	-													
Instructor:	Dr. Felicia S. Manciu													
Office Location:	PSCI 221 B													
Contact Info:	Phone # : (915) 747 8472													
	E-mail address: fsmanciu@utep.edu													
	Fax #: (915) 747 5447													
	Emergency Contact: (915) 747 5715													
Office Hrs:	Tuesday, Thursday 11:00 AM – 1:00 PM													
Textbook(s), Materials:	<p>Main textbook: <i>College Physics</i> by Alan Giambattista (Fifth Edition).</p> <p>The Laboratory Section is mandatory for this course (see table below).</p>													
Course Objectives (Learning Outcomes):	<p>The objective of PHYS 1403, which is the first part of a sequence of two algebra-based introductory physics courses, is to provide students with a rigorous description of physical phenomena and to improve students' problem-solving abilities.</p> <p>We will study the following topics: Representing Motion, Vectors in Physics, One- and Two-Dimensional Kinematics, Forces, Newton's Laws of Motion, Circular Motion, Work and Energy, Potential Energy and Conservative Forces, Energy Conservation, Linear Momentum and Collisions, Rotational Dynamics, and Mechanical Equilibrium. The first midterm exam (Chapters 1 – 4) will be scheduled during the second week of March (potentially on March 12) and the second midterm (Chapters 5 – 8) during the last week of April, at the latest. The final exam (comprehensive) is scheduled by the school (please see registrar's webpage). Final exams must be given at the scheduled time; any/all exceptions must be approved by both the Department Chair and the Dean.</p>													
Grading Policy:	<p>Grades in this course will be based on your scores on two midterm exams, a final exam (comprehensive; but with emphasis on the last part of the course), laboratory, and homework assignments.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Midterm exams:</td> <td>40%</td> <td>(20% each)</td> </tr> <tr> <td>Final exam:</td> <td>25%</td> <td>(comprehensive)</td> </tr> <tr> <td>Laboratory</td> <td></td> <td>15%</td> </tr> <tr> <td>Homework:</td> <td></td> <td>20%</td> </tr> </table>		Midterm exams:	40%	(20% each)	Final exam:	25%	(comprehensive)	Laboratory		15%	Homework:		20%
Midterm exams:	40%	(20% each)												
Final exam:	25%	(comprehensive)												
Laboratory		15%												
Homework:		20%												

<p>Course Activities/Assignments:</p>	<p>Homework Several homework sets will be assigned. Homework is a key component of this course, as acquiring and improving your analytical skills critically depend on the number and variety of problems you attempt to solve. Solving homework problems in groups is encouraged. Due dates for homework will be announced and no late homework will be accepted.</p> <p>It is essential that students become well versed in problem solving methods, which means developing the writing skills to set up a problem, including diagrams and mathematical manipulation to achieve the final answer. A numerical score will be assigned for each homework set based on graded and counted problems.</p>
<p>Course Activities/Assignments:</p>	<p>Feel free to form study groups with your classmates and seek help from any lecture instructor during his or her office hours as you attempt to solve the problems. Make sure that you understand the solutions and write them up yourself. <u>There is a strong correlation between homework scores and exam scores!</u></p> <p><u>The textbook is bundled together with the online e-Connect resource registration package.</u></p> <p><u>REGISTER FOR ONLINE HOMEWORK.</u></p> <p><u>https://connect.mheducation.com/class/f-manciu-spring-2020-1</u></p> <p><u>EACH STUDENT WILL NEED HIS OWN REGISTRATION PACKAGE FOR THE HOMEWORK.</u></p> <p>The online homework will be announced in advance in the lecture (approximately every week). Each will consist of few problems based on the course material.</p> <p>Exams Exams will consist of problems very similar to the worked example problems in the text and the assigned homework problems. Exams will be strictly closed-book. You should bring with you a pocket calculator to work out the answers to numerical problems: make sure the battery is charged!</p> <p>No cell phones allowed in the exams!</p> <p>The best way to prepare for the exams is to study the example problems and work out the assigned homework problems regularly. You should work as many additional problems from the text as you can: this is the best way to ensure your understanding of the material.</p>
<p>Make-up Policy:</p>	<p>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.</p>
<p>Attendance Policy:</p>	<p>Attendance is mandatory.</p>
<p>Academic Integrity Policy:</p>	<p>Please see: http://academics.utep.edu/Default.aspx?tabid=23785</p>

Civility Statement:	<ul style="list-style-type: none"> • 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:	<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. 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 the instructor at the beginning of the semester.</p>
Course Schedule:	<p>CHAPTER 1 – <u>INTRODUCTION</u></p> <p>CHAPTER 2 – <u>FORCE</u></p> <p>CHAPTER 3 – <u>ACCELERATION AND NEWTON’S SECOND LAW OF MOTION</u></p> <p>CHAPTER 4 – <u>MOTION WITH CONSTANT ACCELERATION</u></p> <p>CHAPTER 5 – <u>CIRCULAR MOTION</u></p> <p>CHAPTER 6 – <u>CONSERVATION OF ENERGY</u></p> <p>CHAPTER 7 – <u>LINEAR MOMENTUM</u></p> <p>CHAPTER 8 – <u>TORQUE AND ANGULAR MOMEMTUM</u></p>
Course drop date:	April 3 rd , 2020