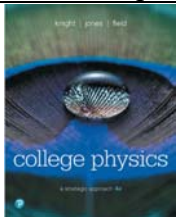


**THE UNIVERSITY OF TEXAS AT EL PASO
COLLEGE OF SCIENCE
DEPARTMENT OF PHYSICS**

Course #:	PHYS 1403 CRN 35884												
Course Title:	General Physics I												
Credit Hrs:	4.0												
Term:	Summer 2021												
Course Meetings & Location:	11:40 AM – 1:50 PM MTWRF online 100% synchronous Lecture notes will also be provided online on Blackboard Collaborate Ultra												
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:	M and W --- 2:00 PM – 4:00 AM Dr. Manciu’s office hours will be online on Blackboard Collaborate Ultra. Their main purpose is to provide additional guidance to students in acquiring analytical skills on problem solving, as well as to answer students’ questions. All students are welcome to attend.												
Textbook(s), Materials:	 <p>Main textbook: <i>College Physics: a Strategic Approach</i> by Author(s): Knight, Randall Jones, Brian Field, Stuart (<i>fourth edition</i>).</p> <p><i>Mastering physics access code</i>, for homework assignments. A code comes with a new textbook or can be purchased online. Registration to masteringphysics.com is REQUIRED</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: Motion representation & Vectors, One-Dimensional Kinematics, Vectors & Two-Dimensional Kinematics, Newton’s Laws of Motion, Circular Motion, Gravity, Equilibrium, Momentum, and Work & Energy.</p>												
Grading Policy:	<p>Grades in this course will be based on your scores on two midterm exams, a final exam (comprehensive) 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>30%</td> <td>(comprehensive)</td> </tr> <tr> <td>Homework</td> <td colspan="2">20%</td> </tr> <tr> <td>Laboratory</td> <td colspan="2">10%</td> </tr> </table>	Midterm exams:	40%	(20% each)	Final exam:	30%	(comprehensive)	Homework	20%		Laboratory	10%	
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Final exam:	30%	(comprehensive)											
Homework	20%												
Laboratory	10%												

<p>Course Activities/Assignments:</p>	<p>Homework</p> <p>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. Due dates for homework will be posted online and also announced in advance in the lecture. Each will consist of few problems based on the course material.</p> <p>It is essential that students become well versed in problem solving methods, which means developing 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. Make sure that you understand the solutions and write them up yourself.</p> <p><u>There is a strong correlation between homework scores and exam scores!</u></p> <p>Homework and exams will be assigned in Mastering Physics:</p> <p style="text-align: center;">ID: manciu59629</p> <p>Registration to this site is required for the class!</p> <p><u>EACH STUDENT WILL NEED HIS OWN REGISTRATION PACKAGE FOR THE HOMEWORK AND EXAMS.</u></p>
<p>Course Activities/Assignments:</p>	<p>Exams</p> <p>Exams will consist of multiple-choice problems very similar to the worked example problems in the text and the assigned homework problems. Exams will be online, through Mastering Physics.</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><u>First Midterm-exam (Chapters 1-5):</u> after the first five chapters & review. TBA (potentially on July 19th)</p> <p><u>Second Midterm-exam (Chapters 6-10):</u> after the last five chapters & review. TBA (potentially on July 26th)</p> <p><u>Final Exam (cumulative, Chapters 1-10):</u> UTEP's Summer 2021 exams schedule. TBA</p> <p>Final exams must be given at the scheduled time; any/all exceptions must be approved by both the Department Chair and the Dean.</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 not mandatory and no credit will be granted for just attending the class.</p>
<p>Academic Integrity Policy:</p>	<p>Please see: http://academics.utep.edu/Default.aspx?tabid=23785</p>

<p>Technology Requirements:</p>	<p>Course content will be delivered 100% synchronous via the Internet through the Blackboard learning management system (LMS). Ensure your UTEP e-mail account is working and that you have access to the Web and a stable web browser. Mozilla Firefox and Google Chrome are the most supported browsers for Blackboard; other browsers may cause complications with the LMS. When having technical difficulties, update your browser, clear your cache, or try switching to another browser.</p> <p>You will need to have or have access to a computer/laptop, scanner, a webcam, and a microphone. You will need to download or update the following software: Microsoft Office, Adobe, Flashplayer, Windows Media Player, QuickTime, and Java. Check that your computer hardware and software are up-to-date and able to access all parts of the course.</p> <p>If you encounter technical difficulties beyond your scope of troubleshooting, please contact the Help Desk as they are trained specifically in assisting with technological needs of students.</p>
<p>Etiquette :</p>	<p>Always consider audience. Remember that members of the class and the instructor will be reading any postings. Respect and courtesy must be provided to classmates and to instructor at all times. No harassment or inappropriate postings will be tolerated. When reacting to someone else's message, address the ideas, not the person. Post only what anyone would comfortably state in a face-to-face situation.</p> <p>Blackboard is not a public internet venue; all postings to it should be considered private and confidential. Whatever is posted on in these online spaces is intended for classmates and professor only. Please do not copy documents and paste them to a publicly accessible website, blog, or other space. If students wish to do so, they have the ethical obligation to first request the permission of the writer(s).</p>
<p>Scholastic Integrity:</p>	<p>Academic dishonesty is prohibited and is considered a violation of the UTEP Handbook of Operating Procedures. It includes, but is not limited to, cheating, plagiarism, and collusion. Cheating may involve copying from or providing information to another student, possessing unauthorized materials during a test, or falsifying research data on laboratory reports. Plagiarism occurs when someone intentionally or knowingly represents the words or ideas of another as ones' own. Collusion involves collaborating with another person to commit any academically dishonest act. Any act of academic dishonesty attempted by a UTEP student is unacceptable and will not be tolerated. All suspected violations of academic integrity at The University of Texas at El Paso must be reported to the Office of Student Conduct and Conflict Resolution (OSCCR) for possible disciplinary action. To learn more HOOP: Student Conduct and Discipline.</p>

Disability Statement:	<p>If you have a disability and need accommodations, please contact the Center for Accommodations and Support Services (CASS) at 747-5148, or by email to cass@utep.edu. 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:	<ol style="list-style-type: none"> 1. Representing Motion 2. Motion in One Dimension 3. Motion in Two Dimensions 4. Forces and Newton's Laws of Motion 5. Applying Newton's Laws 6. Circular Motion, Orbits, and Gravity 7. Rotational Motion 8. Equilibrium and Elasticity 9. Momentum 10. Energy and Work