Instructor:
Dr. Charles Allen
Email: charles.allen@angelo.edu
Phone: 325-486-6780
In-Person Contact Location: outside of VIN on N side of building, next to planter wall
Virtual Office: https://us.bbcollab.com/guest/76cf58d693914009a3e302b1f8ecb918

Contact Hours: MTWR 08:00-08:30 (see above for location)
Virtual Office Hours: MTWR 08:45-09:15

Course Information

Course Description
Study of mechanics, thermodynamics, and waves. (This course will not count as the introductory physics course for physics majors and pre-engineering majors.)

Prerequisite Courses
Mathematics 1314 or equivalent.

Prerequisite Skills
Students are to be proficient with a scientific calculator, algebra, and trigonometry.

Student Learning Outcomes
Upon completion of this course, students will be able to:
- Gain factual knowledge in physics,
- Learn fundamental principles of physics, and
- Apply course material to problem solving.
Course Delivery
To maintain academic quality while accommodating social distancing needs this semester, this course will use a split delivery model that combines face-to-face teaching with remote instruction.

The goal is to provide face-to-face instruction to students who want to return to campus, while also allowing students who may need to learn remotely to participate via virtual class sessions.

How Does It Work?
Your class will be divided into two teams. You will be placed into one team of students to maintain physical distancing requirements in our assigned classroom space.

Your assigned team will receive a schedule of in-person class meetings. This schedule is not flexible. For instance, if you are supposed to attend class on a Monday, you cannot elect to go on Wednesday with another team instead.

When you are not in the physical class, you will attend live remote sessions at the same time as your scheduled course. You may also be expected to complete coursework via Blackboard.

Please refer to this Health and Safety web page for updated information about campus guidelines as they relate to the COVID-19 pandemic.

Required Texts and Materials
The textbook College Physics is available from OpenStax College for free. You will also need a scientific calculator. You do not need to purchase this textbook. A student of this institution is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Technology Requirements
Access to exams and quizzes will be through Respondus Lockdown Browser and will be video recorded via Respondus Monitor. Respondus requires a desktop computer or laptop (not a Chromebook) and a webcam. A folder containing information about using Respondus Lockdown Browser and Monitor is available on the Blackboard course page.
To participate in the synchronous classroom sessions when you are not physically in class, you will need to use the Blackboard Collaborate tool. A link to the virtual classroom is available on the Blackboard page.

Communication

Faculty will respond to email and/or telephone messages within 24 hours during working hours Monday through Friday. Weekend messages may not be returned until Monday.

Written communication via email: All private communication will be done exclusively through your ASU email address. Check frequently for announcements and policy changes. In your emails to faculty, include the course name and section number in your subject line.

Help may be obtained through in-person contact hours outside, and virtual office hours in Blackboard Collaborate (see first page for details).

Grading

Evaluation and Grades
Course grades will be determined as indicated in the table below.

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Percent of Total Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daily grades, homework, participation</td>
<td>20</td>
</tr>
<tr>
<td>Chapter Quizzes</td>
<td>80</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
</tr>
</tbody>
</table>

Grading System
Course grades will be dependent upon completing course requirements and meeting the student learning outcomes.

The following grading scale is in use for this course:
A = 90.00% and above
B = 80.00-89.99%
C = 70.00-79.99%
D = 60.00-69.99%
F = 0-59.99%
The instructor reserves the right to lower the thresholds between letter grades, but they will never be raised.

**Assignment and Activity Descriptions**

Lecture materials will (hopefully) be made available before each week when that week’s chapter becomes available in Blackboard. The materials will include a PDF version of the lecture slides, short videos of a presentation of the lecture slides, and potentially other materials. The videos will include worked solutions to the example problems shown in the PDF slides, but the solutions are not included in the PDF slides. You are expected to have watched the videos of the relevant material before class starts.

The class will be divided into Blue team and Gold team. Blue team will meet in-person on Mondays (Gold team will participate via Blackboard Collaborate). Gold team will meet in-person on Wednesdays (Blue team will participate via Blackboard Collaborate).

Students taking the course entirely online will be placed into a separate Online team and will participate online at all times.

On in-person days (Monday and Wednesday), an in-class assessment consisting of conceptual problems and brief short-answer problems will be given. In order to receive credit for these in-class assessments, you must participate via the Collaborate polling mechanism.

If more problems are planned for than time allows on Monday and Wednesday, those problems will be done as individual homework, due on Friday at the end of class. The current plan is for Fridays to be used as a chance for students to ask for further assistance on the in-class problems (and any assigned as homework), the examples worked in the lecture videos, or anything else that students would like help with. Class will meet virtually on Fridays, but attendance is not mandatory. Any leftover assessment problems from earlier in the week will be due by the end of class, and will be individually turned in as a Blackboard assignment.

Each chapter will have an associated chapter quiz. These short quizzes will usually be given on the Saturday following coverage of a chapter (see the schedule below for details). At least one (and potentially two) of your lowest chapter quiz scores will be dropped. Quizzes will be given using the Respondus Lockdown Browser (see above). You will have all day to complete up to three attempts on each quiz. Your highest score of the three attempts will be used as your score for a particular quiz.
General Policies Related to This Course

All students are required to follow the policies and procedures presented in these documents:

- Angelo State University Student Handbook
- Angelo State University Catalog

Academic Integrity

Students are expected to maintain complete honesty and integrity in all work. Any student found guilty of any form of dishonesty in academic work is subject of disciplinary action and possible expulsion from ASU.

The College of Science and Engineering adheres to the university’s Statement of Academic Integrity.

Accommodations for Students with Disabilities

ASU is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments of 2008 (ADAAA) and subsequent legislation.

Student Disability Services is located in the Office of Student Affairs, and is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability. It is the student’s responsibility to initiate such a request by contacting an employee of the Office of Student Affairs, in the Houston Harte University Center, Room 112, or contacting the department via email at ADA@angelo.edu. For more information about the application process and requirements, visit the Student Disability Services website. The employee charged with the responsibility of reviewing and authorizing accommodation requests is:

Dallas Swafford
Director of Student Disability Services
Office of Student Affairs
325-942-2047
dallas.swafford@angelo.edu
Houston Harte University Center, Room 112
Incomplete Grade Policy
It is policy that incomplete grades be reserved for student illness or personal misfortune. Please contact faculty if you have serious illness or a personal misfortune that would keep you from completing course work. Documentation may be required. See ASU Operating Policy 10.11 Grading Procedures for more information.

Plagiarism
Plagiarism is a serious topic covered in ASU’s Academic Integrity policy in the Student Handbook. Plagiarism is the action or practice of taking someone else’s work, idea, etc., and passing it off as one’s own. Plagiarism is literary theft.

In your discussions and/or your papers, it is unacceptable to copy word-for-word without quotation marks and the source of the quotation. It is expected that you will summarize or paraphrase ideas giving appropriate credit to the source both in the body of your paper and the reference list.

Papers are subject to be evaluated for originality. Resources to help you understand this policy better are available at the ASU Writing Center.

Student Absence for Observance of Religious Holy Days
A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. See ASU Operating Policy 10.19 Student Absence for Observance of Religious Holy Day for more information.

Title IX at Angelo State University
The University prohibits discrimination based on sex, which includes pregnancy, sexual orientation, gender identity, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination including: sexual assault, sex-based discrimination, sexual exploitation, sexual harassment, public indecency, interpersonal violence (domestic violence and/or dating violence), and stalking. As a faculty member, I am a Responsible Employee meaning that I am obligated by law and ASU policy to report any allegations I am notified of to the Office of Title IX Compliance.

Students are encouraged to report any incidents of sexual misconduct directly to ASU’s Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator at:

Michelle Boone, J.D.
Director of Title IX Compliance/Title IX Coordinator
You may also file a report online 24/7 at www.angelo.edu/incident-form.

If you are wishing to speak to someone about an incident in confidence you may contact the University Health Clinic and Counseling Center at 325-942-2173 or the ASU Crisis Helpline at 325-486-6345.

For more information about Title IX in general you may visit www.angelo.edu/title-ix.

**Required Use of Masks/Facial Coverings by Students**
As a member of the Texas Tech University System, Angelo State University has adopted the mandatory Facial Covering Policy to ensure a safe and healthy classroom experience. Current research on the COVID-19 virus suggests there is a significant reduction in the potential for transmission of the virus from person to person by wearing a mask/facial covering that covers the nose and mouth areas. Therefore, in compliance with the university policy students in this class are required to wear a mask/facial covering before, during, and after class. Faculty members may also ask you to display your daily screening badge as a prerequisite to enter the classroom. You are also asked to maintain safe distancing practices to the best of your ability. For the safety of everyone, any student not appropriately wearing a mask/facial covering will be asked to leave the classroom immediately. The student will be responsible to make up any missed class content or work. Continued non-compliance with the Texas Tech University System Policy may result in disciplinary action through the Office of Student Conduct.

**Modifications to the Syllabus**
This syllabus, including grade evaluation and course schedule, is subject to modification. In particular, the COVID-19 pandemic may require significant changes in course delivery and content on potentially short notice.
**Course Schedule**

<table>
<thead>
<tr>
<th>Wk</th>
<th>Week starting</th>
<th>Ch.</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Aug 17</td>
<td>1</td>
<td>Numbers and Units</td>
</tr>
<tr>
<td>2</td>
<td>Aug 24</td>
<td>2</td>
<td>1-D Kinematics</td>
</tr>
<tr>
<td>3</td>
<td>Aug 31</td>
<td>3</td>
<td>2-D Kinematics</td>
</tr>
<tr>
<td>4</td>
<td>Sep 9</td>
<td>4</td>
<td>Dynamics</td>
</tr>
<tr>
<td>5</td>
<td>Sep 14</td>
<td>5</td>
<td>Dynamics Applications</td>
</tr>
<tr>
<td>6</td>
<td>Sep 21</td>
<td>9</td>
<td>Energy</td>
</tr>
<tr>
<td>7</td>
<td>Sep 28</td>
<td>7</td>
<td>Statics/Torque</td>
</tr>
<tr>
<td>8</td>
<td>Oct 5</td>
<td>11</td>
<td>Fluid Statics</td>
</tr>
<tr>
<td>9</td>
<td>Oct 12</td>
<td>12</td>
<td>Fluid Dynamics</td>
</tr>
<tr>
<td>10</td>
<td>Oct 19</td>
<td>16</td>
<td>Waves</td>
</tr>
<tr>
<td>11</td>
<td>Oct 26</td>
<td>17</td>
<td>Sound</td>
</tr>
<tr>
<td>12</td>
<td>Nov 2</td>
<td>13</td>
<td>Temperature</td>
</tr>
<tr>
<td>13</td>
<td>Nov 9</td>
<td>14</td>
<td>Heat Transfer</td>
</tr>
<tr>
<td>14</td>
<td>Nov 16</td>
<td>15</td>
<td>Thermodynamics</td>
</tr>
<tr>
<td>15</td>
<td></td>
<td></td>
<td>(chapter 15 quiz on day of scheduled final exam, Monday Nov. 23 at 10:30)</td>
</tr>
</tbody>
</table>

* The first quiz (on August 22nd) is a pre-course assessment, and will not cover material from chapter 1. You will only have one attempt for this quiz. You will receive full credit if you complete the quiz. Please answer the questions thoughtfully: This gives the instructors information to assess the course itself, and to see where we might be able to spend more or less time. It will also provide an opportunity for you to make sure that you can successfully use the Lockdown Browser.

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1. [https://blackboard.angelo.edu/](https://blackboard.angelo.edu/)
3. [https://www.angelo.edu/student-handbook/](https://www.angelo.edu/student-handbook/)
4. [https://www.angelo.edu/catalogs/](https://www.angelo.edu/catalogs/)
6. [https://www.angelo.edu/services/disability-services/](https://www.angelo.edu/services/disability-services/)
7. [https://www.angelo.edu/content/files/14197-op-1011-grading-procedures](https://www.angelo.edu/content/files/14197-op-1011-grading-procedures)
9. [https://www.angelo.edu/dept/writing_center/academic_honesty.php](https://www.angelo.edu/dept/writing_center/academic_honesty.php)
10. [https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of](https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of)
11. [https://www.angelo.edu/services/title-ix/](https://www.angelo.edu/services/title-ix/)