GENERAL PHYSICS I LABORATORY SYLLABUS

PHYS 1101, Section 02Z
Summer 1 2021
CRN 30251
TR 02:00pm–04:45 pm
VIN 160

CONTACT INFORMATION

Dr. Michael C. Holcomb
Office: VIN 123 and Dr. Holcomb’s Virtual Office
Phone: 325.486.6787
Email: michael.holcomb@angelo.edu
Webpage: www.mcholcomb.com/teaching

Office Hours
Monday 02:00pm–03:00pm
Wednesday 02:00pm–03:00pm
Friday 02:00pm–03:00pm
Also available by appointment

REQUIRED MATERIALS

• Physics 1301 Laboratory Manual (available in Blackboard for free)
• Scientific Calculator (required to complete prelab quizzes and lab reports)
• Gradescope account – Free to ASU students; you will receive an email with sign-up information.
• Access to a computer with reliable high-speed internet access.
• Access to a scanning device OR a handwriting-capable computer or tablet.

COURSE OVERVIEW

Required laboratory experience designed to accompany PHYS 1301 General Physics I. Experiments will explore aspects of mechanics, mechanical waves, and thermodynamics.

This course will not count as the introductory physics course for physics or pre-engineering majors.

Expected Learning Outcomes

The expected learning outcomes for the course, listed below, will be assessed through performance on prelab quizzes and laboratory assignments.

• Be able to apply scientific reasoning and critical thinking to the analysis of physical phenomena.
• Acquiring skills in working with others as a member of a team.
• Learning appropriate methods for collecting, analyzing, and interpreting numerical information.

COURSE COMPONENTS

Attendance

This course will be delivered in a traditional face-to-face format. Attendance is considered mandatory. You will be expected to attend every scheduled day and work collaboratively with group members to complete the day’s assigned lab. Failure to attend a scheduled lab meeting will result in a zero being issued for that day’s lab report and associated prelab assignment. There are no makeups for labs, so please plan accordingly.
Prelab Assignment
You are responsible for completing each prelab assignment prior to the day in which the associated lab is scheduled. All prelab assignments will be made available via Blackboard and you will be expected to print a copy of the assignment, scan your completed assignment to PDF, and then submit for grading via Gradescope prior to the beginning of lab. Late prelab assignments will incur a 20% penalty without exception and will only be accepted through the submission deadline of the lab report they are associated with.

Lab Reports
You are responsible for studying each lab report prior to the scheduled lab meeting. All lab reports will be made available via Blackboard and you will be expected to bring a printed copy of the assigned lab report with you to each lab meeting. The printed copy is where you will complete the lab report in its entirety (i.e. record all data, complete all calculations, answer any associated questions, etc.) during the lab meeting. You will then scan your completed lab report to PDF and submit it for grading via Gradescope within 24 hours after the lab ends. Late lab reports will not be accepted, so please be mindful of the deadlines.

GRADING POLICIES
The following scores will be recorded during the course of the term: Prelab Quizzes (25%) and Lab Reports (75%).

Your letter grade will be determined on the following scale: F (≤59), D (60-69), C (70-79), B (80-89), A (90-100).

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.

CLASSROOM ETIQUETTE
Attending lab meetings is mandatory. You are considered both advised and responsible for anything discussed during the lab meetings. Leaving lab early or arriving late is considered both rude and distracting. If you have an expected reason to depart early, please inform your instructor before the beginning of the lab meeting.

All students are expected to work collaboratively and productively with their peers during each lab meeting. If you become a distraction to other students, then you will be dismissed from the lab meeting for that day and issued a zero for the associated prelab assignment and lab report. Some actions, including but not limited to the following, will result in you being considered a distraction to your peers: repeatedly arriving late, reading unrelated material, using your cell phone in any way, sleeping, eating, “vaping,” and the use of any and all tobacco products.

No laptops or any other electronic devices are allowed in class unless the need for such a device for reason of a disability is documented by Student Disability Services.

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.

CLASSROOM ETIQUETTE
Attending lecture is mandatory. You are considered both advised and responsible for anything discussed during lecture. Leaving lecture early or arriving late is considered both rude and distracting. If you have an expected reason to depart early, please inform the lecturer at the beginning of class.

All students are expected to be respectful of their peers during lecture by not becoming a distraction. If you become a distraction to other students, then you will be dismissed from class for that day. Some actions, including but not limited
to the following, will result in you being considered a distraction to your peers: repeatedly arriving late, reading unrelated material, using your cell phone in any way outside of approved exercises, visiting with your neighbor, sleeping, eating, “vaping,” and the use of any and all tobacco products.

No laptops or any other electronic devices are allowed in class unless the need for such a device for reason of a disability is documented by Student Disability Services.

INCLUSIVE LEARNING ENVIRONMENT
(Adapted from Yale Center for Teaching and Learning)

Civility and Respect
Our university supports and wants to foster a civil, respectful, and open-minded climate so that all of us can live and work in an environment free of harassment, bias-motivated behaviors, unfair treatment, and fear. The university expects all members of our community to refrain from actions or behaviors that intimidate, humiliate, or demean persons or groups or that undermine their security or self-esteem based on traits related to race, ethnicity, country of origin, religion, gender identity/expression, sexual orientation, age, or physical or mental ability, including learning and/or developmental disabilities and past/present history of mental disorder or other category protected by state or federal law.

Student Disability Services
Angelo State University 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:

Point of Contact
Director of Student Disability Services
Dallas A. Swafford
Email: dallas.swafford@angelo.edu
Office
Houston Harte University Center, Room 112
Office Email: ada@angelo.edu
Office Phone: 325.942.2047

Title IX
Angelo State University is committed to providing and strengthening an educational, working, and living environment where students, faculty, staff, and visitors are free from sex discrimination of any kind. In accordance with Title VII, Title IX, the Violence Against Women Act (VAWA), the Campus Sexual Violence Elimination Act (SaVE), and other federal and state laws, the University prohibits discrimination based on sex, which includes pregnancy, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination and unwelcome behavior of a sexual nature. The term includes sexual harassment, nonconsensual sexual contact, nonconsensual sexual intercourse, sexual assault, sexual exploitation, stalking, public indecency, interpersonal violence (domestic violence or dating violence), sexual violence, and any other misconduct based on sex.
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:

**Point of Contact**

**Director of Title IX Compliance**
**and Title IX Coordinator**
Michelle Miller, J.D.
Email: michelle.miller@angelo.edu

**Office**
Mayer Administration Building, Room 210
Office Phone: 325.942.2022
Report an incident: www.angelo.edu/incident-form

**Note from Dr. Holcomb:** Please note that as a faculty member at Angelo State, I am a mandatory reporter and must report incidents involving sexual misconduct to the Title IX Coordinator. Should you wish to speak to someone in confidence about an issue, you may contact the University Counseling Center (325.942.2371), the 24-Hour Crisis Helpline (325.486.6345), or the University Health Clinic (325.942.2171).

For more information about resources related to sexual misconduct, Title IX, or Angelo State’s policy please visit: www.angelo.edu/title-ix.

**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.

**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 Statement of Academic Integrity.

**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.

**Copyright Policy**
Students officially enrolled in this course should make only one printed copy of the given articles and/or chapters. You are expressly prohibited from distributing or reproducing any portion of course readings in printed or electronic form without written permission from the copyright holders or publishers.

**COURSE CALENDAR**
Our tentative course calendar is below. I reserve the right to change this calendar as needed; however, I will inform you in class and via email in advance of any changes.
Remember to check our Blackboard class page regularly and your university email (RamMail) account regularly for class updates and other important university correspondence.

<table>
<thead>
<tr>
<th>Week of</th>
<th>Laboratory, Activities, and Assignments</th>
<th>Laboratory Topics</th>
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| June 7  | **Tuesday, June 8:** Lab 1  
**Wednesday, June 9:** Lab 1 DUE  
**Thursday, June 10:** Lab 2  
**Friday, June 11:** Lab 2 DUE | Lab 1 – Introduction to Lab Reports  
Lab 2 – Uniform Accelerated Motion |
| June 14 | **Tuesday, June 15:** Lab 3  
**Wednesday, June 16:** Lab 3 DUE  
**Thursday, June 17:** Lab 4  
**Friday, June 18:** Lab 4 DUE | Lab 3 – Projectile Motion  
Lab 4 – Newton’s Second Law |
| June 21 | **Tuesday, June 22:** Lab 5  
**Wednesday, June 23:** Lab 5 DUE  
**Thursday, June 24:** Lab 6  
**Friday, June 25:** Lab 6 DUE | Lab 5 – Rotational Equilibrium  
Lab 6 – Conservation of Energy |
| June 28 | **Monday, June 28 – Last Day to Drop or Withdraw**  
**Tuesday, June 29:** Lab 7  
**Wednesday, June 30:** Lab 7 DUE  
**Thursday, July 1:** Lab 8  
**Friday, July 2:** Lab 8 DUE | Lab 7 – Archimedes Principle  
Lab 8 – Simple Pendulum |
| July 5  | **Tuesday, July 6:** No Lab |

* All due times are 05:00 pm CST, unless otherwise specified.