

# PHYS 1102

## General Physics II Lab



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## Course Schedule

<b>Date</b>	<b>Lab</b>	<b>Delivery</b>
July 12-13	Lab Tools Challenges (LC2), bonus prelab	online
July 14-15	Introduction to Lab Reports (IL2)	in-person
July 19-20	Ohm's Law and Resistivity (OLR)	online
July 21-22	RC Time Constant (RCT)	in-person
July 26-27	Magnetic Field of a Long Straight Wire (MLS)	online
July 28-29	Refraction and Snell's Law	in-person
August 2-3	Velocity from Repulsion (VFR), bonus report	online
August 4-5	Thin Lenses (THL)	in-person
August 9-10	The Hydrogen Atom Line Spectrum (ALS)	online
August 11-12	Half-Life of a Radioactive Isotope (HLR)	online

## Instructor

Email: [charles.allen@angelo.edu](mailto:charles.allen@angelo.edu)

Phone: 325-486-6780

Office: Vincent 126

Office Hours: MTWRF 11:00-12:00

## Course Information

### Course Description

Laboratory experiences designed to accompany Physics 1302.

## **Prerequisite and Co-requisite Courses**

Prerequisite: Mathematics 1314 or equivalent.

## **Prerequisite Skills**

Ability to use Blackboard, to use a scientific calculator, and proficiency in college algebra and trigonometry are expectations of this course.

## **Student Learning Outcomes**

Upon completion of this course, students will be able to:

- Work with others as a member of a team
- Collect, analyze, and interpret numerical information.

## **Course Delivery**

This course will use a split delivery model that utilizes both in-person labs and online labs. The Monday and Tuesday labs are delivered online, while the Wednesday and Thursday labs are done in-person. The instructor will be online and available for questions during the normal lab time on Monday and Tuesday.

## **Required Texts and Materials**

- (There is no required textbook or lab manual to purchase)
- Scientific calculator with one-variable statistics (average and standard deviation)

## **Technology Requirements**

To successfully complete this course, students need have access to a computer with a modern browser able to run HTML5 apps.

In-person lab reports will be completed by writing on paper templates (printed by you from PDF files) and graphing data. These papers will be scanned and turned in as a single PDF via Gradescope.

## **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.

Virtual communication: Office hours and/or advising may be done with the assistance of the telephone, Collaborate, or in the Blackboard discussion forum.

## Grading

### Evaluation and Grades

Course grades will be determined by the points you obtain, based on a total of 800 points. Each prelab is worth 25 points. Each report is worth 75 points. One bonus prelab and one bonus report are available, raising the total possible points you can obtain to 900. If you choose not to complete either bonus opportunity, your score will not be affected.

### 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 instructors reserve the right to lower the thresholds between letter grades, but will never raise them.

### Assignment and Activity Descriptions

Each lab consists of a prelab quiz and a lab report. By completing the experimental procedure for a given lab report, you'll fill in data tables, answer questions, and graph results.

### Submission Information

Prelabs will be set up either as Blackboard quizzes with one attempt, or as Gradescope assignments.

Lab reports are to be completed by handwriting on PDF templates printed by you. You will then scan the completed lab report and append any additional material (graph,

certificate, etc.) to that single PDF file. The Blackboard course site has information and links on how to accomplish this. Your single PDF file will be turned in as a Gradescope assignment.

### **Policy on Late Work or Missed Assignments.**

Prelabs and reports may be turned in up to one day late, but they will be marked as late and points deducted. Prelabs and reports may not be turned in after that date, except in exceptional circumstances to be discussed with the instructor.

## **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](#)<sup>1</sup>
- [Angelo State University Catalog](#)<sup>2</sup>

### **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](#).<sup>3</sup>

### **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](mailto:ADA@angelo.edu). For more information about the application process and requirements, visit the [Student Disability Services website](#).<sup>4</sup>

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](mailto: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](#)<sup>5</sup> for more information.

## **Plagiarism**

Plagiarism is a serious topic covered in ASU's [Academic Integrity policy](#)<sup>6</sup> 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](#).<sup>7</sup>

## **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](#)<sup>8</sup> 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  
Mayer Administration Building, Room 210  
325-942-2022  
[michelle.boone@angelo.edu](mailto:michelle.boone@angelo.edu)

**You may also file a report online 24/7 at [www.angelo.edu/incident-form](http://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](http://www.angelo.edu/title-ix).<sup>9</sup>

## **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](#)<sup>10</sup> 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.

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<sup>1</sup> <https://www.angelo.edu/student-handbook/>

<sup>2</sup> <https://www.angelo.edu/catalogs/>

<sup>3</sup> <https://www.angelo.edu/student-handbook/community-policies/academic-integrity.php>

<sup>4</sup> <https://www.angelo.edu/services/disability-services/>

<sup>5</sup> <https://www.angelo.edu/content/files/14197-op-1011-grading-procedures>

<sup>6</sup> <https://www.angelo.edu/student-handbook/community-policies/academic-integrity.php>

<sup>7</sup> [https://www.angelo.edu/dept/writing\\_center/academic\\_honesty.php](https://www.angelo.edu/dept/writing_center/academic_honesty.php)

<sup>8</sup> <https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of>

<sup>9</sup> <https://www.angelo.edu/services/title-ix/>

<sup>10</sup> <http://www.texastech.edu/downloads/ttus-policy-face-coverings.pdf>