Introduction to Physical Science Lab PS 1115
Fall 2021

Description
This course serves as a laboratory introduction to the Physical Sciences, and is intended to accompany the Physical Science 1315 course.

Time and Location
VIN 155
01Z M 1:00 – 2:50 Mr. Shields
02Z W 1:00 – 2:50 Mr. Shields

Instructors Information

Mr. Stephen Shields VIN 135
Office Phone: 325-486-6934
Stephen.Shields@angelo.edu

Office Hours: Monday/Wednesday 3 – 4pm; Tuesday 9 – 10:30am and 2 – 4pm; and Thursday 9 – 10:30am, and by appointment.

Student Learning Outcomes
Upon completion of PS 1115 Laboratory, the student will understand scientific reasoning in the natural sciences, and will have demonstrated technical and analytical skills by engaging in quantitative laboratory experimentation. Experiments will be done in groups of two to six students (TW2). Learning outcomes will be assessed using written work including lab reports and exams.

Course Materials
Introductory Physical Science Lab Experiences, by Bixler and Sauncy. This lab manual is available at the ASU bookstore and the campus bookstore. Each student must bring it to each lab meeting.
Calculator with scientific notation capability. Each student is required to bring his/her own calculator to lab every week!
Pencil or pen. Although pens are allowed, excessive mark outs may be counted as wrong answers.
Not a physical material, but you must complete the lab safety training in Blackboard before attending lab.

Attendance Policy
There are no make-ups for missed lab meetings or for any quizzes administered during those meetings. If you must miss a lab due to University business, you may request to attend another lab meeting. These arrangements must be made in advance. Students without advance arrangements approved by all instructors will not be allowed to attend any alternate section of lab. Attendance will be taken at each lab meeting. There are no make-ups for lab exams. Please refer to the lab schedule for the exam dates. For very special and unavoidable circumstances, a student may request special arrangements to take an exam early. Such requests will be considered on an individual basis by the instructor, and must be made no later than one week prior to the date of the scheduled exam.

**Classroom Conduct**
All students are expected to be in class on time and to attend all class meetings. Each student must bring his/her own lab manual to class. Additional copies are not available. Students showing up late may receive a penalty for their grade on that lab, or may not be allowed to do the lab that day at all.
Most lab experiences require individuals to work together in groups of approximately 6 students. Each student will be required to submit individual work during each lab meeting for grade evaluation; answers to questions should always be in your own words. Do not copy essay answers from each other. No student will be given credit for any copied answers. The full attention and participation of every student in class is expected.
Food, candy, gum, drinks, or tobacco are not allowed in the laboratory at any time. No electronic devices other than calculators may be used in the lab at any time (this means no cell phones, pagers, music players, etc.). You may not use a mobile phone as your calculator during exams. Non-lab related phone use will be considered a disturbance and will not be allowed.

**Assessment**
Daily Grade (50%): The daily grade includes the Lab Experience Hand-In Page (handed in each lab meeting), attendance (recorded at each lab meeting), and class participation. Lab Exams (50%): There will be two lab exams during the semester. Each exam will count for 25% of the overall lab grade.

**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. iv

**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. v The employee charged with the responsibility of reviewing and authorizing accommodation requests is:

Dr. 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 vi for more information.

**Plagiarism**

Plagiarism is a serious topic covered in ASU’s Academic Integrity policy vii 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**

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.

You are encouraged to report any incidents involving sexual misconduct to the Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator, Michelle Miller, J.D. You may submit reports in the following manner:

**Online:** Incident Reporting Form

**Face to Face:** Mayer Administration Building, Room 210

**Phone:** 325-942-2022

**Email:** michelle.miller@angelo.edu

Note, 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 the [Title IX website](https://www.angelo.edu/academics/catalog/).\(^{\text{xi}}\)

**Information About COVID-19**

Please refer to ASU’s [COVID-19 (Coronavirus) Updates](https://www.angelo.edu/live/files/27603-student-handbook-2020-21#page=96)\(^{\text{xii}}\) web page for current information about campus guidelines and safety standards as they relate to the COVID-19 pandemic.

**Modifications to the Syllabus**

This syllabus, including grade evaluation and course schedule, is subject to modification on potentially short notice based on developing circumstances.

**Schedule**

<table>
<thead>
<tr>
<th>Week</th>
<th>Laboratory exercise</th>
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<tbody>
<tr>
<td><strong>August 23 – August 27</strong></td>
<td>No Lab, Purchase Lab Manual at the ASU Bookstore! And take the lab safety quiz on Blackboard</td>
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<tr>
<td>August 30 – September 3</td>
<td>Scientific Thinking</td>
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<tr>
<td><strong>September 6 – September 10</strong></td>
<td>No Lab due to Labor Day (9/6). Purchase lab manual and take the lab safety quiz!</td>
</tr>
<tr>
<td>September 13 – September 17</td>
<td>Distance, Velocity, and Acceleration</td>
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<tr>
<td>September 20 – September 24</td>
<td>Forces and Newton’s Laws</td>
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<tr>
<td>September 27 – October 1</td>
<td>Sinking and Floating</td>
</tr>
<tr>
<td>October 4 – October 8</td>
<td>Cold Stuff (or Hot Stuff)</td>
</tr>
<tr>
<td><strong>October 11 – October 15</strong></td>
<td>Midterm Lab Exam</td>
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<tr>
<td>October 18 – October 22</td>
<td>Earth’s Magnetic Field</td>
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<tr>
<td>October 25 – October 29</td>
<td>Ohm’s Law</td>
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<tr>
<td>November 1 – November 5</td>
<td>Lenses and Mirrors</td>
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<td>November 8 – November 12</td>
<td>Visible Spectrum</td>
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<td>November 15 – November 19</td>
<td>Radioactivity</td>
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<tr>
<td><strong>November 22 – November 26</strong></td>
<td>No Lab due to Thanksgiving Holidays (11/24 – 11/26)</td>
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<tr>
<td>November 29 – December 3</td>
<td>Final Lab Exam</td>
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<tr>
<td><strong>December 6 – December 10</strong></td>
<td>No Lab, Final Exam Week</td>
</tr>
</tbody>
</table>

\(^{\text{i}}\) [https://blackboard.angelo.edu/](https://blackboard.angelo.edu/)

\(^{\text{ii}}\) [https://www.angelo.edu/current-students/student-handbook/](https://www.angelo.edu/current-students/student-handbook/)

\(^{\text{iii}}\) [https://www.angelo.edu/academics/catalog/](https://www.angelo.edu/academics/catalog/)
