Time and Location

<table>
<thead>
<tr>
<th>Section</th>
<th>Weekday</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>01Z</td>
<td>Tuesday</td>
<td>1:00 to 2:50</td>
<td>VIN 155</td>
<td>Allen</td>
</tr>
<tr>
<td>02Z</td>
<td>Thursday</td>
<td>1:00 to 2:50</td>
<td>VIN 155</td>
<td>Shields</td>
</tr>
</tbody>
</table>

Instructor Information

<table>
<thead>
<tr>
<th>Instructor</th>
<th>Office</th>
<th>Office Hours</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Charles Allen</td>
<td>VIN 126</td>
<td>M 2:30 – 5; W 10:30 - 1</td>
<td><a href="mailto:Charles.allen@angelo.edu">Charles.allen@angelo.edu</a></td>
</tr>
<tr>
<td>Mr. Stephen Shields</td>
<td>VIN 135</td>
<td>MW 1 - 3; TR 3:30 - 4</td>
<td><a href="mailto:Stephen.shields@angelo.edu">Stephen.shields@angelo.edu</a></td>
</tr>
</tbody>
</table>

Course Information

Course Description
This course serves as a laboratory introduction to the Physical Sciences, and is intended to accompany Physical Science 1317.

Student Learning Outcomes
Upon completion of PS-1117, the student will understand scientific reasoning in the natural sciences, and will have demonstrated technical and analytical skills be engaging in quantitative laboratory experimentation. Learning outcomes will be assessed using written work including lab reports and exams.

Course Delivery

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.
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.

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

How will class attendance work?
- You are required to have completed the health screening prior to attending lab. If you are flagged as potentially having COVID you will not be allowed to attend lab in-person.
- You will be required to wear face masks, face shields, and disposable gloves and maintain a 6 ft distance from others in lab at all times.
- You will be required to wash your hands before starting and before leaving lab.
- You will be required to sanitize your work station.
- NOTE: You are NOT automatically dropped if you stop attending class. So, if you want to drop the class you must do it through Ramport.

What if I’m sick?
- If you are sick (with anything, not just COVID), you are required to stay home. Rest, relax, drink plenty of fluids, and binge watch your favorite show (if you feel up to it).
- I WILL require a note from a doctor stating that you were ill when you are able to return to lab. You can get this from your regular doctor or from the ASU Health Clinic.
- Please email me to let me know if you aren’t feeling well so that we can make arrangements for labs or lab practicals that you may miss in your absence.

What if I have a pre-existing condition or simply don’t feel safe attending in-person classes?
- You may elect to complete this lab entirely online.
- You do NOT have to give me any reason for wanting to attend online. Simply, tell me you plan to attend online only.
- You will be required to complete an alternative set of labs, pre-lab reading quizzes, and lab practicals from the safety of your home.
- There will not be ANY penalties for choosing to attend entirely online. I respect your choice in this matter and will do my utmost to make sure you have as close to the same experience as any other classmate as I can.
- You may also elect at ANY time to change to an online only format. No questions asked. Simply notify me by email so that I know why you disappeared from lab and can put you into a different group to complete the online labs (and so I don’t worry).
LIFE HAPPENS CLAUSE

Life happens to all of us. Despite our best efforts, some days nothing seems to go right. Your car breaks down on the way to school, you run out of the house without something and have to go back despite the fact that you were already running late, your boss calls you into work, or your child is sick and you have to go pick them up from daycare/school. Or, you get so overwhelmed that everything seems too much to deal with. If this happens to you, please email me. We will figure out what to do to keep you on track in the course. Whether that means extra tutoring sessions, deadline extensions, or something else. Please don’t suffer in silence. I want to help out, you just need to let me know what is going on.

Class Organization

To maintain academic quality while accommodating social distancing needs this semester, this course will allow for both in-person or remote learning.

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.

You will also be expected to complete and submit coursework via Blackboard.¹

Please refer to this Health and Safety web page² for updated information about campus guidelines as they relate to the COVID-19 pandemic.

Required Texts and Materials

There is no required lab manual. You will be required to print and bring a copy of each lab (materials will be made available online ahead of time). You should bring a calculator to lab every week. Although both pencil and pen work will be accepted, excessive mark outs may be counted as wrong answers.

Technology Requirements

To successfully complete this course, students need to be able to use Blackboard, a calculator, and complete the IDEA student ranking of instruction.

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.
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. Office hours and/or advising may be done with the assistance of the telephone, Collaborate, Skype, etc.

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 grade/Labs</td>
<td>50</td>
</tr>
<tr>
<td>Lab Exams</td>
<td>50</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
</tr>
</tbody>
</table>

The daily grade includes the lab experience hand-in page (handed in at the end of each lab meeting), attendance (recorded at each lab meeting), and class participation. There will be two lab exams during the semester. Each exam will count for 25% of the overall lab grade.

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 = 90.00-100 points
- B = 80.00-89.99 points
- C = 70.00-79.99 points
- D = 60.00-69.99 points
- F = 0-59.99 points (Grades may be rounded up)

Assignment and Activity Descriptions
Attendance is required. Makeup exams must be pre-arranged with the instructor before the scheduled exam dates on this syllabus. All assignments are uploaded in Blackboard. The lowest lab grade will be dropped from the final grade calculation. An academic assessment will be given late in the semester to assess this course as required by the institution.
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 to 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 Miller, J.D.
Special Assistant to the President and Title IX Coordinator
You may also file a report online\textsuperscript{11} 24/7.

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, visit the Title IX website.\textsuperscript{12}

**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\textsuperscript{13} 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>Week</th>
<th>Starting...</th>
<th>Laboratory exercise</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Jan 25</td>
<td>no lab</td>
</tr>
<tr>
<td>2</td>
<td>Feb 1</td>
<td>The Periodic Table and Systematic Thinking</td>
</tr>
<tr>
<td>3</td>
<td>Feb 8</td>
<td>Chemical Analysis: Using Chromatography</td>
</tr>
<tr>
<td>Date</td>
<td>Topic</td>
<td></td>
</tr>
<tr>
<td>-------</td>
<td>----------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Feb 15</td>
<td>Chemical Reactions: Qualitative Chemical Analysis</td>
<td></td>
</tr>
<tr>
<td>Feb 22</td>
<td>Environmental Chemistry: Water Quality Assessment</td>
<td></td>
</tr>
<tr>
<td>Mar 2</td>
<td>Mathematical Modeling: The Spread of Disease</td>
<td></td>
</tr>
<tr>
<td>Mar 8</td>
<td>no lab</td>
<td></td>
</tr>
<tr>
<td>Mar 15</td>
<td>Midterm Lab Exam</td>
<td></td>
</tr>
<tr>
<td>Mar 22</td>
<td>Minerals: The Special Ingredient</td>
<td></td>
</tr>
<tr>
<td>Mar 29</td>
<td>Plate Tectonics: Discovering Plate Boundaries</td>
<td></td>
</tr>
<tr>
<td>Apr 5</td>
<td>Earthquakes: Finding the Epicenter</td>
<td></td>
</tr>
<tr>
<td>Apr 12</td>
<td>Scale of the Solar System</td>
<td></td>
</tr>
<tr>
<td>Apr 19</td>
<td>Phases of the Moon</td>
<td></td>
</tr>
<tr>
<td>Apr 26</td>
<td>Constellations(?) special schedule in planetarium</td>
<td></td>
</tr>
<tr>
<td>May 3</td>
<td>Final Lab Exam</td>
<td></td>
</tr>
<tr>
<td>May 10</td>
<td>no lab</td>
<td></td>
</tr>
</tbody>
</table>

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1. [https://angelo.blackboard.com/](https://angelo.blackboard.com/)
3. [https://www.angelo.edu/current-students/student-handbook/](https://www.angelo.edu/current-students/student-handbook/)
4. [https://www.angelo.edu/academics/catalog/](https://www.angelo.edu/academics/catalog/)
6. [https://www.angelo.edu/current-students/disability-services/](https://www.angelo.edu/current-students/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/current-students/writing-center/academic_honesty.php](https://www.angelo.edu/current-students/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. [http://www.angelo.edu/incident-form](http://www.angelo.edu/incident-form)
12. [https://www.angelo.edu/title-ix](https://www.angelo.edu/title-ix)