PS 1317 Physical Science Lecture
Spring 2020
Section 010 MWF 11am-11:50am
Room: VIN 158

Instructor: Mrs. Jessica A. Garza, M.S.
Email: jgarza85@angelo.edu
Office hours: VIN 130, MWF 9-9:30am, TR 11-11:30am, or by appointment

LEARNING OUTCOMES AND ASSESSMENT: An introduction to the foundations of physical science, including selected areas of physics, chemistry, earth science, and space science. Upon completion of this course, the student will gain factual knowledge in science, learn fundamental principles of science, and gain a broader understanding and appreciation of science. Learning outcomes will be assessed through in-class activities, and exams.

REQUIRED MATERIALS: “The Physical Universe”, by Krauskopf and Beiser (McGraw Hill, 2017) available in blackboard is required reading for this course. A calculator is needed to complete in-class activities. Exams must be completed in pencil. Therefore, you will need a calculator or smartphone and a pencil with you at each class meeting.

ATTENDANCE POLICY: Attendance and possible quizzes will be completed within the first 5 mins of all lecture meetings. You are expected to attend all scheduled class meetings. Missed lecture activity points CANNOT be made up. Please inform me well ahead of time if you will need to be absent for any reason including religious holidays. NOTE: You are NOT automatically dropped if you stop attending class. March 26 is the last day to drop a course.

CELL PHONES AND OTHER ELECTRONIC DEVICES: You may use a laptop or tablet to take notes during class. Please do not disturb others with their use. The use of any electronic device not authorized by the instructor during a test may result in the forfeiture of your grade for that test. All electronic devices should be turned off and stored out of sight during tests.

GRADING:

- 3 exams (55%)
- 1 comprehensive final exam (15%)
- In-class activities (30%)
- Extra Credit Project (+ 0 – 5 pts), Brief, illustrated report about a scientific paper on a geology topic of your own choosing. Details to be provided after Exam 1.

Make-up exams will be given for tests ONLY under extenuating circumstances. Prior email notification is needed for a make-up exam. There will be NO makeups for in-class activities or Smartwork homework assignments given.

CLASS PREPARATION ASU EMAIL: Since class announcements will be routinely distributed via email and Blackboard, you will need to regularly check your ASU email account and our course Blackboard site (daily). All course correspondence will be through your ASU email account and Blackboard. Please see the email policy in Bb for more details. ASU provides Internet and email services to you at any of the computer labs on campus. Call 942-2911 to set this up if necessary.
LECTURE: A typical class meeting will combine lectures, discussions, group activities, multimedia presentations, and other demonstrations and activities to give you an opportunity to learn concepts in as active a manner as possible.

KNOWLEDGE SURVEYS: Knowledge surveys are intended to give you a means of self-assessing your own learning and to serve as a guide for studying. The entire Knowledge Survey for this course is available in pdf format on Blackboard all the time. Knowledge survey items that will be tested on individual exams will be posted on a Blackboard quiz (there are NO POINTS for these) at least a week prior to the Exam. Taking the Knowledge Survey quiz will help you categorize the items you need to study based on your confidence in your knowledge of the item. The results of your Knowledge Survey quiz will be shown after clicking “OK” after taking the quiz. If you should need your results again for any reason simply email me (jgarza85@angelo.edu).

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.

PLAGARISM
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 via Turnitin. 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.

STUDENTS WITH DISABILITIES:
1. “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 Act of 2008 (ADAAA), and subsequent legislation.”

2. The Office of Student Affairs is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability, and it is the student’s responsibility to initiate such a request by contacting the Office of Student Affairs, University Center, Room 112 at (325) 942-2047 or (325) 942-2211(TDD/FAX) or by e-mail at studentservices@angelo.edu to begin the process. The Office of Student Affairs will establish the particular documentation requirements necessary for the various types of disabilities. Reasonable accommodations will be made for students determined to be disabled or who have documented disabilities.

TITLE IX
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

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.

INCOMPLETE GRADE POLICY: (OP 10.11 Grading Procedures)

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.

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.” Please see ASU Operating Policy 10.19.

SYLLABUS CHANGES: The faculty member reserves the option to make changes as necessary to this syllabus and the course content. If changes become necessary during this course, the faculty will notify students of such changes by email, course announcements and/or via a discussion board announcement. It is the student’s responsibility to look for such communications about the course on a daily basis.

COURSE EVALUATION: Students are provided the opportunity and are strongly encouraged to participate in a course evaluation at the end of the semester.

GEOLOGIC EXHIBITION ORGANIZATION (GEO):

GEO, the student organization of all interested in geology (not just majors/minors), meets almost every Wednesday @ 6:00PM. GEO is a student chapter of the American Association of petroleum Geologists (www.aapg.org). Sigma Gamma Epsilon, the national honor society of the earth sciences is related to GEO.

YOU CAN MAJOR OR MINOR IN GEOLOGY @ ASU! See the BS in Geoscience requirements at https://www.angelo.edu/physics/geoscience_degree.php. A Geology Minor requires 18 hours of geology courses. Good and rewarding careers exist for geologists, geophysicists, hydrogeologists, secondary science teachers, and petroleum engineers. Talk to your professor and read http://www.angelo.edu/dept/physics/Geosciences/geoscience_careers.php.
**FINAL NOTE:** It is my goal to make this class both interesting and informative for you. With a reasonable amount of effort, it should be possible for everyone to meet the course objectives and earn a passing grade. With additional effort, aptitude, and investment of time, students may earn even higher course grades. If at any time you run into difficulties with the material, or need assistance or clarification, please do not hesitate to ask for help. I am here for you, and I will be glad to entertain any reasonable requests.

**SCHEDULE:** ALL INFORMATION IS SUBJECT TO CHANGE.

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<thead>
<tr>
<th>Course Overview</th>
<th>Blackboard, syllabus, and course requirements.</th>
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<tbody>
<tr>
<td><strong>The Periodic Law</strong></td>
<td>Elements, compounds, periodic law, atomic structure, and chemical bonds.</td>
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<tr>
<td><strong>Crystals, Ions, and Solutions</strong></td>
<td>Solids, Solutions, Acids, and Bases</td>
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<tr>
<td><strong>Exam #1</strong></td>
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<tr>
<td><strong>Chemical Reactions</strong></td>
<td>Quantitative chemistry, chemical energy, reaction rates, oxidation, and reduction</td>
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<tr>
<td><strong>Organic Chemistry</strong></td>
<td>Carbon, structures, hydrocarbons, and the chemistry of life</td>
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<tr>
<td><strong>Atmosphere and Hydrosphere</strong></td>
<td>The atmosphere, weather, climate, and hydrosphere</td>
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<td><strong>Exam #2</strong></td>
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<tr>
<td><strong>Spring Break</strong></td>
<td>March 9-13</td>
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<tr>
<td><strong>The Rock Cycle</strong></td>
<td>Minerals, rocks, earthquakes, vulcanism, and erosion</td>
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<td><strong>The Evolving Earth</strong></td>
<td>Isostasy, Diastrophism, Tectonics, and historical geology</td>
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<td><strong>The Solar System</strong></td>
<td>Sun, Inner planets, Outer planets, and the Moon</td>
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<td><strong>The Stars</strong></td>
<td>Telescopes, the Sun, stars, and stellar evolution</td>
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<td><strong>Exam #3</strong></td>
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<tr>
<td><strong>The Universe</strong></td>
<td>Galaxies, quasars, expansion, and the search for extraterrestrial life</td>
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<tr>
<td><strong>Final Exam Review/TBA</strong></td>
<td>Review for final exam.</td>
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<tr>
<td><strong>Final Exam</strong></td>
<td>Bring a pencil. <strong>May 8, 2019, 08:00 AM - 10:00 AM</strong></td>
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iii [http://www.angelo.edu/dept/writing_center/academic_honesty.php](http://www.angelo.edu/dept/writing_center/academic_honesty.php)