GEOLOGY 1101 01L — Fall 2025

EARTH SCIENCES I LABORATORY — **SYLLABUS**

Lab: Room STEC 375 — **DR. Rex E Crick**

Instructor: Dr. Rex E Crick
Office: STEM 375
Lab: Thursday (R) 8 am – 10:45 am @**STEC 375**
Office Hours: W 7 am – 8 am (or by appointment) **STEC 375**
Email: rex.crick@tamusa.edu

Course Description:

A survey of the natural processes at work in the atmosphere, lithosphere, hydrosphere, and biosphere of the Earth, as well as Earth's place in the universe. Includes an introduction to astronomy, geology, oceanography, and meteorology. Designed to fulfill laboratory science core curriculum requirements.

Learning Objectives:

Students will be able to define and discuss fundamental earth science principles.
Students will be able to recognize and apply latitude and longitude to and from topographic maps
Students will be able to identify and discuss the characteristics of planets in the solar system.
Students will be able to integrate an understanding of how the coupled ocean/atmosphere system controls the earth's weather.
Students will be able to describe and distinguish the different materials that comprise the earth.

Instruction:

Laboratory exercises, Internet assignments, recorded lectures/previews of labs, lab quizzes, and exams.

Cell Phones: **Lab is a cell phone free zone for calls and texting**. If you must call or text, do so outside of the classroom.

BLACKBOARD ULTRA: https://tamusa.blackboard.com

Blackboard will be used to communicate information about the course. Course documents, lecture material, videos, and links will be available on blackboard for downloading, viewing, or printing. Students will us Ultra to check the status of their performance in the course. It is a student's responsibility to check Blackboard for new announcements, course materials, and to report promptly any errors in your grades.

Course schedule: The lecture topics, readings, and quiz and exam dates are listed on the following course calendar. Lecture topics and dates ***may*** change as necessary; **exam dates will not**. Please complete the reading assignments prior to each lecture.

Lab Meetings: Labs are 2 h 45 min in length and will always begin with an introduction to that week's exercise. Exercises are completed within the period of the lab. There is no provision for completing lab exercises outside of the scheduled lab class period.

Late to Lab: Labs begin promptly at 8 am. Missing all or a part of the introductory lecture/explanation normally leads to problems related to understanding, stress related to time, lower grades, and disruption to the class (see paragraph #1).

Missing Lab: ***Texas A&M University Student Rule #7***: *the university views class attendance as an individual student responsibility. Students are expected to attend class and to complete all assignments within the allotted time (see paragraph #1).* Valid excuses for being absent (those recognized by the university) are explained in paragraph #7 – all require documentation, and these missed exercises can be made-up during scheduled lab time. ***Never assume that an undocumented absence will be excused.*** (see paragraph #6). The full text of A&M Rule #7 is provided.

Required OER Lab Manual and Online Resource

1. ***GEOS: A PHYSICAL GEOLOGY LAB MANUAL**** ***(OER NO COST)***
2. ***SELF-CONTAINED LAB EXERCISES PROVIDED BY PROFESSOR***

**Note: OER text is available on class web site

Geology 1101 01L Course Schedule

Lab	Date	Topic	OER #1	OER #2
1	8/28	Introduction to Science and the Geosciences	1+	
2	9/4	Imagery and Maps in the Geosciences	2+	
*******	**9/9**	**CENSUS DATE**		
3	9/11	Minerals and Mineral Identification	3	
4	9/18	Internal Earth	4+	
Quiz 1	**9/25**	**Quiz 1: LABS 1-4 (8 am)**	**Quiz 1**	
5	9/25	Plate Tectonics	5+	
6	10/2	Earthquakes	6.1 only	9
7	10/9	Rocks and Their Identification (**self-contained Lab**)	← +	
8	10/16	Geologic Time	14+	
Quiz 2	**10/23**	**Quiz 2: LABS 5-8 (8 am)**	**Quiz 2**	
9	10/23	Surface Water Processes (**self-contained Lab**)	+	
10	10/30	Desert Processes and Landforms	18	
11	11/6	Oceanography, Coastal Processes, and Landforms	17	
12	11/13	Seasons (**self-contained Lab**)	← +	
Quiz 3	**11/20**	**Quiz 3: LABS 9-12 (8 am)**	**Quiz 3**	
13	11/20	Storms (**self-contained Lab**)	← +	
	11/26	A&M READING DAY		
	11/27	THANKSGIVING BREAK		
Final	**12/04**	**COMPREHENSIVE FINAL EXAM**		

+ = additional reading – check associated Module

1. **Texas A&M University Student Rule 7**: the university views class attendance as an individual student responsibility. Students are expected to attend class and to complete all assignments.

2. **LAB EXERCISES/ASSIGNMENTS:** It is the responsibility of each student to be familiar with the assigned reading for each lab **before** coming to class. Answer sheets for each lab will be distributed at the beginning of lab. Labs assigned from the OER text "***GEOS***" (70%) do have questions, but most relate to areas of California. Most answer sheet questions will relate to regions of Texas. The assigned text reading for self-contained exercises (30%) will not have questions. All questions to be answered will be presented on Answer Sheets supplied at the beginning of each lab period. On days assigned to OER Exercises, students will want to bring to class a means of accessing JagWire and the course page for access to the OER Lab manual. **Lab exercises account for 50% of the course grade.**

   a. **Geology is not a static science –** As such, students should expect the integration of current geologic events happening on or within Earth. This material, when relevant, will replace some or all of a scheduled lab topic. Material covered in these discussions/lectures will not be available outside of lab. These materials will also constitute the basis for quiz questions and lab exercises where and when appropriate.

3. **QUIZZES:** Three **Quizzes** (duration 15-20 minutes) ***will be given at the beginning of the chosen lab*** (see attached schedule). Quizzes will be comprehensive (whether covered in quizzes, exercises or not), the material in the lab often builds on previously studied concepts. Once a concept has been introduced in lab, that concept is fair game for subsequent quizzes – this is a huge benefit as means of reviewing material over the semester. **Quizzes account for 30% of the course grade.**

   a. You will need to bring to class on the day of a quiz/exam a laptop or iPad capable of running the most recent student version of Respondus Browser. Respondus is provided by TAMUSA at HOME>INFORMATION TECHNOLOGY SERVICES>CUSTOMER SUPPORT>RESOURCES. Scroll down page to the link Install Respondus Lockdown Browser and follow instructions.

4. **FINAL EXAM:** Comprehensive (cumulative) for all material introduced during the semester to include assigned readings (whether covered in quizzes, exercises or not). Students will need to bring to class on the day of the Final Exam a laptop or iPad capable of running the most recent student version of Respondus Browser. **The Final Exam is worth 20% of the course grade.**

5. **Questions about grades:** Questions or concerns about a grade on an exam or assignment should be brought to my attention within one week after the day grades are posted. Normally after one week, the grade will stand as recorded; there will always be legitimate exceptions.

6. **Excused Absences:** If you miss an exam because of illness, you should contact me as soon as possible by Blackboard email or at rex.crick@tamusa.edu. If need-be, have a friend, spouse, partner, or parent contact me by email; communication is essential. ***Never assume that an undocumented absence will be excused.*** Consult the details of Rule #7 before considering an absence that does not meet the definition of an Excused Absence.

7. **Valid Excuses for Being Absent** (requires some form of documentation) – See full list in Rule #7 Appendix:
   a. Significant illness of the student, household member, or immediate family member, including hospitalization.
   b. Death of immediate family member or household member.
   c. Religious Holidays.
   d. Interviews for full-time job opportunities after graduation and for graduate or professional school.

8. **There is no opportunity for extra credit.**

9. **Final Course Grade computation:**
   a. Quizzes = 30%
   b. Exercises = 50%
   c. Final Exam = 20%

10. **Academic Misconduct: "An Aggie does not lie, cheat or steal, or tolerate those who do."**
    a. Texas A&M University is dedicated to the discovery, development, communication and application of knowledge in a wide range of academic and professional fields and assumes as its historic trust the

maintenance of freedom of inquiry and an intellectual environment nurturing the human mind and spirit. Living in accordance with the Aggie Code of Honor is critical to these ideals, to the goal of assuming a place of preeminence in higher education, and to the development of the whole student.

b. Students are expected to do their own course work. Simple cases of first offense cheating or plagiarism by an individual student may be handled by the instructor after consultation with the department chair. Faculty will confront the student with the evidence in private and advise of the penalty to be assessed. The evidence will be retained for at least one full year.
c. Academic misconduct is a violation of the Student Code of Conduct; therefore, the instructor is required to report any form of academic misconduct to their Department Chair, their Dean and the Office of Student Rights and Responsibilities. For more serious cases, such as those involving repeated offenses, conspiracy with other students or the theft and selling of examination questions, students may be subject to grade sanctions in courses but also to disciplinary action.
d. Penalties for academic dishonesty may range from a grade reduction on the particular assignment or in the course to suspension or expulsion from the University.
e. Please review the Student Handbook for a complete description of the process. The Student Handbook is available through the Student Rights and Responsibilities webpage: https://www.tamusa.edu/student-rights-and-responsibilities/index.html.

11. Grade computation and grading procedure:

Percentage	Letter Grade
90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
Below 60	F

12. Your success in this course is my most important semester goal! The following is what I need from you to help you succeed in the course:

- **Communication:** If I do not know of problems, then I cannot offer a fix
- **Stay current** with all assignments
- **Attend** all lab meetings
- **Engage** with me and the material
- **Participate** in and complete all class exercises.
- **Study** for and take all quizzes and the final exam
- **Ask questions**, take part, get involved with the material
- **Seek help** with your questions (in person or email) in a timely manner.

PLEASE, COMPLETE, SIGN, AND RETURN THIS PAGE

I, _____ (printed name known to TAMUSA registrar) have received a copy of the Fall 2025 Geology 1101-01L syllabus. I have also received a copy of Texas A&M Rule #7. The contents of both the syllabus and Rule #7 have been explained and discussed. I agree to abide by both the syllabus and Rule #7.

Signature:_____ Date: August 28, 2025