



PENSACOLA STATE COLLEGE

Physical Geology – Section Syllabus

GLY 1010, Section P1019

Spring 2025, Session A

Instructor: Vicki Knoch

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Final Exam Date: TBD

Last Date of Drop/Add: 1/16/2025

Last Date for Student to Withdraw: 4/7/2025

Course Description:

Using the scientific method, critical thinking skills, and data analysis, the student will examine the fundamental processes of the earth system, composed of an atmosphere, hydrosphere, cryosphere, lithosphere, biosphere, and exosphere, through time. The student will also explore the interactions between these spheres, including critical analysis of scientific theories with an emphasis on lithospheric connections with humanity.

Class Meeting Time: T_Th | 11:00 AM - 12:15 PM

Class Location: Pensacola Campus, Building 21, Room 2107

Credits: 3

Prerequisites: Placement at the college level or completion of the appropriate exit-level developmental course(s) with a grade of C or better.

Offered: FA, SP

Distribution: Meets AA General Education Core, Natural Sciences (Physical Sciences) requirement.

Required Textbooks and Instructional Materials:

None required.

Methods of Evaluation:

At minimum, the instructor will cover content which aligns with statewide and institutional learning outcomes for the course. The instructor will measure student performance using the following:

- Weekly Discussions
- Summative assessments – Weekly Quizzes, Midterm Exam, Final Exam
- Individual Project
- Peer Assessment

Grading Scale:

Graded Items	Points
Syllabus Quiz (1@ 10 points)	10
Discussions (13@10 points)	130
Quizzes (12 @ 20 points)	240
Assignments (2@20 points)	40
Midterm Exam	180
National Park Project	150
Peer Review	50
Final Exam	200
Total Points	1000

Student Expectations: Students enrolled in this course can expect the following:

1. Clearly identified course objectives;
2. Productive class meetings;
3. A positive learning environment;
4. Opportunities for appropriate student participation;
5. Effective instruction;
6. Positive and appropriate interactions;
7. Assistance with meeting course objectives during and beyond class hours;
8. Evaluation of student performance and appropriate and timely feedback; and
9. Clear and well-organized instruction.

General Education Student Learning Outcomes:

Critical Thinking: The student analyzes, evaluates, and, if necessary, challenges the validity of ideas, principles, or data in order to develop informed opinions, probable predictions, or defensible conclusions.

Scientific and Mathematical Literacy: The student properly identifies and applies scientific or mathematical principles and methods.

Information Literacy: The student effectively locates, evaluates, and applies information from a variety of sources.

Course Learning Outcomes:

1. Use critical thinking to recognize the rigorous standards of scientific theories.
2. Analyze and synthesize geoscience data to draw scientifically valid conclusions.
3. Recognize the different time scales associated with different geologic processes.
4. Describe interactions between humans and earth's spheres.
5. Apply their understanding of geologic principles to complex issues.
6. Describe the composition of Earth's crust including minerals, igneous rocks, sedimentary rocks, and metamorphic rocks.
7. Discuss the internal forces of the earth resulting in earthquakes, mountain building, volcanic activity, and the processes of plate tectonics.
8. Appreciate the power of external geologic processes on the earth such as weathering and the various methods of erosion.
9. Define and explain erosional processes as wind, groundwater, running water, ice and gravity and the effects they have on the earth.
10. Synthesize the above processes describing how together, and separately, they affect landform development.
11. Apply the concept of geologic time and appreciate how the earth has changed many times over in its long history; creating a massive puzzle for exploration by geologists.
12. Locate the major physiographic provinces of the United States, and to identify each with major geologic processes and common landforms.
13. Appreciate our country's great beauty and become familiar with the major national parks and monuments created by various geologic processes.

Academic Dishonesty Statement:

Pensacola State College is committed to upholding the highest standards of academic conduct. All forms of academic dishonesty, to include plagiarism and cheating, are prohibited. Penalties for academic dishonesty include but are not limited to one or more of the following: the awarding of no credit on the assignment, a reduction in the course grade, or the assignment of a final course grade of F and removal from the course. See the College Catalog for more details: <https://pensacolastate.smartcatalogiq.com/2024-2025/catalog/student-handbook/student-responsibilities/plagiarism-and-academic-cheating/>

Student Email Accounts:

Pensacola State College provides an institutional email account to all students enrolled in courses for credit. PirateMail is the official method of communication, and students must use PirateMail when communicating with the College. In cases where companion software is used for a particular class, email may be exchanged between instructor and student using the companion software.

Flexibility:

It is the intention of the instructor to accomplish the objectives specified in the course syllabus. However, circumstances may arise which prohibit the fulfilling of this endeavor. Therefore, this syllabus is subject to change. When possible, students will be notified of any change in advance of its occurrence.

ADA Statement:

Students with a disability that falls under the Americans with Disability Act or Section 504 of the Rehabilitation Act, it is the responsibility of the student to notify Student Resource Center for ADA Services to discuss any special needs or equipment necessary to accomplish the requirements for this course. Upon completion of registration with the Student Resource Center for ADA Services office, specific arrangements can be discussed with the instructor.

Pirates CARE Student Resource Center

As a student, you may experience challenges that can interfere with your academic and personal success. These can include things such as basic needs (food, housing, transportation, healthcare, etc.), increased anxiety, depression, substance use, grief, or other stressful experiences. The Pirates CARE Student Resource Center provides free services to students, including emergency aid, campus food pantries, career clothing closets, connections to local resources for basic needs support, and confidential mental health counseling services provided in-person or via telehealth.

You can contact the Pirates CARE Student Resource Center at 850-484-1759 or by email at PiratesCARE@pensacolastate.edu. More information about our services can be found online at www.pensacolastate.edu/PiratesCARE.

For additional 24/7 crisis help, the Crisis Text Line can be accessed by texting "GULF" to 741-741, and the Suicide Lifeline can be reached by phone at 9-8-8.

Equity Statement:

Pensacola State College does not discriminate against any person on the basis of race, color, national origin, sex, disability, age, ethnicity, religion, marital status, pregnancy, sexual orientation, gender identity or genetic information in its programs, activities, and employment. For inquiries regarding the College's nondiscrimination policies, contact the Executive Director of Institutional Equity and Student Conduct, 1000 College Blvd., Building 5, Pensacola, Florida 32504, (850) 484-1759.

Security Statement:

Pensacola State College is committed to encouraging all members of the College community to be proactive in personal safety measures. In case of emergency, students should ensure that they are aware of the building exit closest to each of their classrooms, as well as all alternative building exits in case circumstances require using a different route.

Emergency Statement:

In the case of severe weather or other emergency, the College administration maintains communication with appropriate state and local agencies and makes a determination regarding the cancellation of classes. Notices of cancellation will be made through the College's PSC Alert system and on the College's website.