



Earth Sciences - GEOL 1402.088DC

Course Syllabus: Spring 2023

“Northeast Texas Community College exists to provide responsible, exemplary learning opportunities.”

Tammie Tigert, M.S.

Office: Online daily

Phone: 903-434-8366

Email: ttigert@ntcc.edu (emails will be answered within 24 hours)

Office Hours	Monday	Tuesday	Wednesday	Thursday	Friday
	ONLINE	ONLINE	ONLINE	ONLINE	ONLINE

The information contained in this syllabus is subject to change without notice. Students are expected to be aware of any additional course policies presented by the instructor during the course.

Catalog Course Description (no prerequisites): 4 credit hrs. The objective of this course is to provide **non-science major** students with a better understanding and appreciation of the Earth Sciences and the knowledge of how the earth’s systems (geosphere, hydrosphere, biosphere, and atmosphere) work and interact.

This course is the first semester of a two-semester sequence delivered online only.

➤ The last day to drop with a “W” is **Thursday April 20, 2023**

It is the student’s responsibility to withdraw by that date if they are not able to complete the course. Failure to do so WILL result in a grade of “F” for the semester.

Required Textbook(s):

McGraw Hill The Good Earth 5th Ed.

Required Reading(s): Chapters 9 through 17 in the textbook

College Student Learning Outcomes for this course:

1. Critical Thinking Skills - CT.1: Students will demonstrate the ability to 1) analyze complex issues, 2) synthesize information, and 3) evaluate the logic, validity, and relevance of data.
2. Communication Skills - CS.1: Students will effectively develop, interpret, and express ideas through written communication.
3. Empirical and Quantitative Skills - EQS.1: Students will manipulate numerical data or observable facts by organizing and converting relevant information into mathematical or empirical form.
4. Empirical and Quantitative Skills - EQS.2: Students will analyze numerical data or observable facts by processing information with correct calculations, explicit notations, and appropriate technology.
5. Teamwork – TW.2: Students will work with others to support and accomplish a shared goal.

Student Learning Outcomes for Geology 1402:

Upon successful completion of this course, students will:

1. Identify the influence of geologic and hydrologic processes on Earth's surface.
2. Describe the causes and effects of tectonic, meteorological, oceanographic, and astronomical hazards.
3. Relate climate change to changes in tectonic configurations, astronomical relationships and atmospheric composition.
4. Discuss potential effects of climate variability on Earth systems, including biological systems.
5. Recognize how scientific models represent an abstraction of complex systems, such as ocean circulation and climate variability.
6. Describe natural resources used by humans and their occurrence and extraction.
7. Discuss the effects of renewable and nonrenewable resource development and sustainability.
8. Locate on maps and/or photographs localities susceptible to tectonic, meteorological, and oceanographic hazards.
9. Discuss methods of hazard prevention and mitigation such as early warning techniques, construction methods, and civil planning.
10. Describe contributing factors to past and current climate change.
11. Analyze effects of climate variability on geological and biological systems.
12. Analyze diverse sources of data that document climate variability such as ice cores, dendrochronology, fossils, and pollen.
13. Relate the distribution of fossil fuel, metal and nonmetal resources to geologic processes.
14. Describe the methods of extraction of natural resources and their effect on the environment.
15. Describe renewable resources and methods of sustainability.

Evaluation/Grading Policy:

Course Work 25% of final course grade

Tests & Exams 75% of final course grade

FINAL EXAM:

The Final Exam must be taken by the due date, no exceptions.

Student Responsibilities/Expectations:

Northeast Texas Community College is a "community of scholars." Please remember that you and all students in this class are pursuing very important goals in your lives. As scholars, I expect every student to be courteous to other students and the instructor in all class experiences. The academic honesty and ethics statements below are crucial to the integrity of any college coursework, particularly in an online setting.

NTCC Academic Honesty/Ethics Statement:

NTCC upholds the highest standards of academic integrity. The college expects all students to engage in their academic pursuits in an honest manner that is beyond reproach using their intellect and resources designated as allowable by the course instructor. Students are responsible for addressing questions about allowable resources with the course instructor. Academic dishonesty such as cheating, plagiarism, and collusion is unacceptable and may result in disciplinary action. This course will follow the NTCC Academic Honesty and Academic Ethics policies stated in the Student Handbook. Refer to the student handbook for more information on these subjects.

Alternate Operations During Campus Closure and/or Alternate Course Delivery Requirements

In the event of an emergency or announced campus closure due to a natural disaster or pandemic, it may be necessary for Northeast Texas Community College to move to altered operations. During this time, Northeast Texas Community College may opt to continue delivery of instruction through methods that include, but are not

limited to, online through the Blackboard Learning Management System, online conferencing, email messaging, and/or an alternate schedule. It is the responsibility of the student to monitor NTCC's website (<http://www.ntcc.edu/>) for instructions about continuing courses remotely, Blackboard for each class for course-specific communication, and NTCC email for important general information.

Additionally, there may be instances where a course may not be able to be continued in the same delivery format as it originates (face-to-face, fully online, live remote, or hybrid). Should this be the case, every effort will be made to continue instruction in an alternative delivery format. Students will be informed of any changes of this nature through email messaging and/or the Blackboard course site.

ADA Statement:

It is the policy of NTCC to provide reasonable accommodations for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to request accommodations. An appointment can be made with the Academic Advisor/Coordinator of Special Populations located in Student Services and can be reached at 903-434-8264. For more information and to obtain a copy of the Request for Accommodations, please refer to the special populations page on the NTCC website.

Family Educational Rights and Privacy Act (FERPA):

The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA gives parents certain rights with respect to their children's educational records. These rights transfer to the student when he or she attends a school beyond the high school level. Students to whom the rights have transferred are considered "eligible students." In essence, a parent has no legal right to obtain information concerning the child's college records without the written consent of the student. In compliance with FERPA, information classified as "directory information" may be released to the general public without the written consent of the student unless the student makes a request in writing. Directory information is defined as: the student's name, permanent address and/or local address, telephone listing, dates of attendance, most recent previous education institution attended, other information including major, field of study, degrees, awards received, and participation in officially recognized activities/sports.
