



Earth Sciences - GEOL 1302.088

Course Syllabus: Spring 2022

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

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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): 3 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 7, 2022**

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):

Digital Text with Connect: McGraw Hill The Good Earth 5th Ed.

Inclusive Access: We have negotiated with the Publisher to obtain a discounted price for your lecture course materials. Your **eBook** and **Connect Access Code** are included with your tuition and will be available through Blackboard on the first day of class (use the link found on the Bb course homepage). The materials are required for your class and essential in your success. If you also determine that you would like a print copy of your text in addition to your inclusive access loose-leaf copies will be available in the College Store at a discounted price. You may opt out of purchasing your materials from the College Store through the Census Date for the course. If you choose to opt out, you will be responsible for purchasing your Connect Access Code from another vendor. You will receive a refund for the Inclusive Access if you opt out

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 1302:

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 40% of final course grade

Tests & Exams 60% of final course grade

- **SMART LESSON:** This is my favorite thing! Each chapter/topic opens with an interactive SmartBook Lesson. This is where you will read through the textbook and answer questions as you go. It will keep asking you questions about a topic until you master that topic.
- **DISCUSSION QUESTIONS:** Each chapter/topic has a set of discussion questions to help you connect what you already know with the new content in the chapter, as well as read other students experiences and responses. Your personal answers to the Discussion Questions due on Thursdays after they are assigned. Once you answer the discussion questions then you will be granted access to other student responses. You must comment or reply to at least 3 of your fellow student's post
Discussion questions must be answered, and you must respond to 3 fellow student's post on time for full credit.

MOVIE NIGHT QUESTIONS: Each chapter/topic includes video(s) to watch with associated "Movie Night" questions. These questions are sometimes fill-in-the-blank and some have short answer questions to answer after watching and listening to the movie. Movie night questions will be assigned weekly and will be due the following Sunday by midnight. Late submissions will be accepted, but 10% deduction off the grade will be taken for each day late.

NOTE: A few of the MOVIE NIGHT assignments will be counted as a TEST grade!

➤ **HOMEWORK:** Homework will be assigned weekly and will be due the following Monday by midnight. **Homework must be turned in on time for full credit (no exceptions).** You may use the eBook with no point deductions. You may check your work with no deductions, and you have unlimited attempts to get it all correct and receive 100%. Late work is accepted for 10% off for each DAY late.

➤ **QUIZZES:** Quizzes will be administered weekly and are due on Tuesdays at midnight. The quizzes will cover information from the textbook. Each quiz will have up to 35 questions. You will need to finish your SmartLesson and homework, view online materials, and study your notes before beginning the quiz. Once you begin the quiz you must finish it.

Two attempts are allowed. Late submissions will be accepted, but 10% deduction off the grade will be taken for each day late.

TESTS: Four online tests will be taken through Connect. You will be using Proctorio which is a proctoring service through Connect. Tests will be worth 100 points each. Tests will cover material presented in the class including textbook readings, homework, and quizzes. All exam scores will be included in your final grade. **Exams must be taken by the due date, no exceptions.**

➤ **FINAL EXAM:** The final exam will be taken with Proctorio.
The Final Exam must be taken by the due date, no exceptions.

➤ **Other Course Requirements:**

This is an online course in Earth Science. Lecture, study materials and assignments will be delivered through the Blackboard Learning Management System at NTCC. Students should ensure that they have the appropriate hardware, software, and technical skills for completing all assignments and tests.

Minimum Technology Requirements:

Laptop or computer with webcam

Access to high-speed daily internet

Microsoft Office 365 (available as a free download for all NTCC students)

Required Computer Literacy Skills:

Ability to use a web browser to access NTCC Blackboard System for course information, eBook and Connect assignments

Ability to access NTCC student email system and communicate professionally and competently with instructor

Ability to create and complete Word documents, save on your computer and upload into Bb assignment links

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.

Important Course Dates Below...

Tentative Course Timeline (*note* instructor reserves the right to adjust this timeline at any point in the term):

GEOLOGY 1302-INTRODUCTION TO EARTH SCIENCE

ASSIGNMENT SCHEDULE

WEEK 1

1/18 to 1/21- Class begins

START HERE FOLDER: Review syllabus. Save or print the Syllabus and Calendar.

IMPORTANT: Register with Connect and Take the "Practice Test using Proctorio" to make sure your computer is ready to take proctored tests.

WEEK 1 continued

1/19 Chapter 9 "Weathering & Soils" is now open

Begin Ch 9 SmartLesson (read the text and learn as you go - yes, it's for a grade)

1/20 Ch 9 Answer Discussion questions

1/21 Ch 9 Movie Night: "Mysteries Underground by National Geographic" (questions due Sun. Jan. 23rd)

1/23 Ch 9 Discussion Replies Due

1/24 Ch 9 Homework Due

WEEK 2

1/25 Ch 9 Quiz Due & Ch 9 SmartLesson Due

Chapter 10 "Landslides & Slope Failure" is now open

1/27 Ch 10 Answer Discussion Questions

1/28 Ch 10 Movie Night: "Nova- Killer Landslides" (questions due by Sun. Jan. 30th)

1/30 Ch 10 Discussion Replies Due

1/31 Ch 10 Homework Due

WEEK 3

2/1 Ch 10 Quiz Due & Ch 10 SmartLesson Due

Chapter 11 "Streams & Floods" is now open

2/3 Ch 11 Answer Discussion Questions

2/4 Ch 11 Movie Night: "Nova - Mystery of the Mega Flood" (questions due by Sun. Feb. 6th)

2/6 Ch 11 Discussion Replies Due

2/7 Ch 11 Homework Due

WEEK 4

2/8 Ch 11 Quiz due & Ch 11 SmartLesson Due

Chapter 12 "Groundwater & Wetlands" is now open

2/9 - Test #1 Open: Chapters 9-11 (Using Proctorio - Due by Sat. Feb. 12th)

2/10 Ch 12 Answer Discussion Questions

2/11 Ch 12 Movie Night: "A Civil Action" (questions due by Sun. Feb. 13th)

2/13 Ch 12 Discussion Replies Due

2/14 Ch 12 Homework due

WEEK 5

2/15 Ch 12 Quiz due & Ch 12 SmartLesson Due

Chapter 13 "Oceans & Coastlines" is now open

2/17 Ch 13 Answer Discussion Questions

2/18 Ch 13 Movie Night: "The Deepest Place on Earth" (questions due by Feb. 20st)

2/20 Ch 13 Discussion Replies Due

2/21 Ch 13 Homework Due

WEEK 6

2/22 Ch 13 Quiz Due & Ch 13 SmartLesson Due

2/23 TEST #2 OPEN Chapters 12 & 13 (due by Sat. Feb. 26th)

2/26 - 2/28 Work on Special Topic Study - Read assignment & watch videos

WEEK 7

3/1 Conserving Our Precious Resources-Special Topic

3/5 Paper DUE Sunday March 5th

WEEK 8

3/8 Chapter 14 "The Atmosphere" is now open

3/10 Ch 14 Answer Discussion Questions

3/11 Ch 14 Movie Night "Naked Science – Our Atmosphere" (questions due by Sun. March 13th)

3/13 Ch 14 Discussion Replies Due

Spring Break!!! March 14-March 18

WEEK 9

3/21 Ch 14 Homework Due

3/22 Ch 14 Quiz Due & Ch 14 SmartLesson Due
Chapter 15 "Weather Systems" is now open

3/24 Ch 15 Answer Discussion Questions

3/25 Ch 15 Movie Night "Hunt for the Super Twister" (questions due Sun. March 28th)

3/27 Ch 15 Discussion Replies Due

3/28 Ch 15 Homework Due

WEEK 10

3/29 Ch 15 Quiz Due & Ch 15 SmartLesson Due
Ch 16.1 – 16.3 "Earth's Climate Systems" is now open

3/31 Ch 16.1-16.3 Answer Discussion Questions

4/1 Ch 16.1-16.3 Movie Night: "Storm that Drowned a City" (questions due by Sun. April 3rd)

4/3 Ch 16.1-16.3 Discussion Replies Due

4/4 Ch 16.1-16.3 Homework Due

WEEK 11

4/5 Ch 16.1-16.3 Quiz Due & 16.1-16.3 SmartLesson Due

4/6 TEST #3 Opens – covers Ch 14, 15 and Ch 16 sections 1-3 (Using Proctorio - due by Sat. April 9th)

4/6 Ch 16.4 – 16.6 "Earth's Climate Systems continued..." is now open

4/7 Ch 16.4-16.6 Answer Discussion Questions

4/8 Ch 16.4-16.6 Movie Night "Deserts" (questions due by Sun. April 10th)

4/10 Ch 16.4-16.6 Discussion Replies Due

4/11 Ch 16.4-16.6 Homework Due

WEEK 12

4/12 Ch 16.4-16.6 Quiz Due & Ch 16.4-16.6 SmartLesson Due

Chapter 17.1-17.4 "Global Change" is now open...This is the last chapter this semester ☐ you are

almost done! Hooray

4/14 Ch 17.1-17.4 Answer Discussion Questions

4/15 Ch 17.1-17.4 Movie Night: "Climate Change-living on the water" (questions due by Sun. April 17th)

4/17 Ch 17.1-17.4 Discussion Replies Due

4/18 Ch 17.1-17.4 homework due

WEEK 13

4/19 Ch 17.1-17.4 Quiz & SmartLesson Due
Ch 17.5-17.8 is now open

4/21 Ch 17.5-17.8 Answer Discussion Questions

4/23 Movie Night

4/24 Ch 17.5-17.8 Discussion Replies Due

4/25 Ch 17.5-17.8 Homework Due

WEEK 14

4/26 Ch 17.5-17.8 Quiz Due & Ch 17.5-17.8 SmartLesson Due

4/27 TEST #4 OPEN covers Chapter 16.4 – 16.6 and Chapter 17 (due by Sunday April 30th)

WEEK 15

5/1 – 5/6 Study for Final Exam

Week 16

5/6 FINAL EXAM opens - Covers chapters 9 - 17 (Using Proctorio)

5/12 FINAL CLOSES