

GEOL 1301.088TR
INTRODUCTION TO EARTH
SCIENCE I



NORTHEAST TEXAS
COMMUNITY COLLEGE

Course Syllabus: SPRING 2024
 (Online)

"Northeast Texas Community College exists to provide personal, dynamic learning experiences empowering students to succeed."

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Office	Monday	Tuesday	Wednesday	Thursday	Friday	Online
Hours	Online	Online	Online	Online	Online	24/7

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.

Course Description: Lecture: Extension of the study of geology, astronomy, meteorology and oceanography, focusing on natural resources, hazards and climate variability.

TSI REQUIREMENT: n/a
PREREQUISITE(S): none

REQUIRED TEXTBOOK AND MATERIALS: The Good Earth, 5e, by McConnell & Steer; ISBN 978-1-260-46629-4

MCCONNELL / THE GOOD EARTH: INTRO TO EARTH SCIENCE
 DIGITAL TEXT W/CONNECT (+Proctorio) \$112.00

Minimum Technology Requirements:

- Laptop or computer
- Printer access (helpful but not required)
- Access to high speed daily internet
- Microsoft Office 365 (available as a free download for all NTCC students)

Required Computer Literacy Skills:

Course Goals and/or Objectives:

Lecture: Learning Outcomes Upon successful completion of this course, students will:

- Identify the influence of geologic and hydrologic processes on Earth's surface.
- Describe the causes and effects of tectonic, meteorological, oceanographic, and astronomical hazards.
- Relate climate change to changes in tectonic configurations, astronomical relationships and atmospheric composition.
- Discuss potential effects of climate variability on Earth systems, including biological systems.
- Recognize how scientific models represent an abstraction of complex systems, such as ocean circulation and climate variability.
- Describe natural resources used by humans and their occurrence and extraction.
- Discuss the effects of renewable and nonrenewable resource development and sustainability

College Student Learning Outcomes: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.

Communication Skills

CS.1

Students will effectively develop, interpret and express ideas through written communication.

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.

EQS.2

Students will analyze numerical data or observable facts by processing information with correct calculations, explicit notations, and appropriate technology.

Team Work

TW2. Students will work with others to support and accomplish a shared goal.

GEOL 1301 Student Learning Outcomes:

1. Gain critical thinking skills while working on and completing weekly homework assignments, which include applying methods such as Venn, diagrams, rubrics and concepts maps.

2. Gain awareness of geological events, weather and climate patterns and oceanic circulation on a global scale and understand/evaluate why events/features occur where they do.

Assessment of your awareness is done through various homework assignments.

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**COURSE SCHEDULE:
NTCC GEOL 1301 SPRING 2024 EARTH SCIENCE I FOR
NON-SCIENCE MAJORS**

WEEK 1 JAN 16 - JAN 20	Syllabus review and Syllabus Quiz, Course Calendar Review, Registration for McGraw Hill Connect
WEEK 2 JAN 21 - JAN 27	CH 1 INTRODUCTION TO EARTH SCIENCE SYLLABUS QUIZ DUE WEDNESDAY JAN 24, 2024 BEFORE MIDNIGHT SMARTBOOK & MOVIE NIGHT DUE 1-26-24 HOMEWORK DUE 1-27-24
WEEK 3 JAN 28 - FEB 3	CH 2 EARTH IN SPACE IF YOU HAVE NOT SHOWN UP FOR ANY CLASSES OR COMPLETED AN ONLINE ASSIGNMENT AT THIS POINT YOU WILL BE DROPPED FROM THE COURSE SYLLABUS QUIZ DUE 1-31-24 SMARTBOOK & MOVIE NIGHT DUE 2-2-24 HOMEWORK DUE 2-3-24
WEEK 4 FEB 4 - FEB 10	CH 3 NEAR EARTH OBJECTS SMARTBOOK & MOVIE NIGHT DUE 2-9-24 HOMEWORK DUE 2-10-24 TEST #1 OPENS 2-4-24 (CH 1, 2, 3)
WEEK 5 FEB 11 - FEB 17	CH 4 PLATE TECTONICS TEST #1 (Ch 1, 2, 3) DUE 2-11-24 SMARTBOOK & MOVIE NIGHT DUE 2-16-24 HOMEWORK DUE 2-17-24
WEEK 6 FEB 18 - FEB 24	CH 5 EARTHQUAKES SMARTBOOK & MOVIE NIGHT DUE 2-23-24 HOMEWORK DUE 2-24-24
WEEK 7 FEB 25 - MAR 2	CH 6 VOLCANOES SMARTBOOK & MOVIE NIGHT DUE 3-1-24 HOMEWORK DUE 3-2-24 TEST #2 (Ch 4, 5, 6) OPENS FEB 25, 2024
WEEK 8 MAR 3 - MAR 9	TEST #2 DUE MARCH 3, 2024 MIDTERM EXAM (Ch 1, 2, 3, 4, 5, & 6) OPEN MARCH 3, 2024 AND IS DUE MARCH 9, 2024
WEEK 9 MAR 17 - MAR 23	CH 7 SECTIONS 7.1 - 7.3 - EARTH SCIENTISTS, ELEMENTS/ATOMS, MINERALS SMARTBOOK & MOVIE NIGHT DUE 3-22-24 HOMEWORK DUE 3-23-24
WEEK 10 MAR 24 - MAR 30	CH 7 SECTION 7.4 - IGNEOUS ROCKS SMARTBOOK & MOVIE NIGHT DUE 3-29-24 HOMEWORK DUE 3-30-24
WEEK 11 MAR 31 - APR 6	CH 7 SECTION 7.5 - SEDIMENTARY ROCKS SMARTBOOK & MOVIE NIGHT DUE 4-5-24 HOMEWORK DUE 4-6-24
WEEK 12 APR 7 - APR 13	CH 7 SECTIONS 7.6 - 7.7 METAMORPHIC ROCKS AND THE ROCK CYCLE SMARTBOOK & MOVIE NIGHT DUE 4-12-24 HOMEWORK DUE 4-13-24 TEST #3 OPENS APRIL 7, 2024(CH 7 IN ITS ENTIRETY)
WEEK 13 APR 14 - APR 20	CH 8 GEOLOGIC TIME TEST #3 DUE APR 14, 2024 SMARTBOOK & MOVIE NIGHT DUE 4-19-24 HOMEWORK DUE 4-20-24
WEEK 14 APR 21 - APR 27	CH 13 OCEANS SMARTBOOK & MOVIE NIGHT DUE 4-26-24 HOMEWORK DUE 4-27-24
WEEK 15 APR 28 - MAY 4	CH 16 EARTH'S CLIMATE SYSTEM SMARTBOOK & MOVIE NIGHT DUE 5-3-24 HOMEWORK DUE 5-4-24

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Questions, Movie Night questions, Homework assignments, 4 tests and a Midterm and Final exam with the following weight in calculating final course average:

45% Homework, Smartbook Review Questions, & Movie Night Questions

25% Tests

15% Midterm Exam

15% Final Exam

CLASS ATTENDANCE: Your online activity within the course will be monitored throughout the session. Participation and staying current in the course will be considered during final grade evaluation.

GENERAL POLICIES AND PROCEDURES:

Due Dates and Deadlines: The deadline for turning in all assignments, tests, and quizzes will be 11:59pm on the due date. This deadline does not apply to the Midterm or Final Exam. Due dates for all assignments in this course can be found in the Start Here Folder.

This is a completely online course. Assignments are due weekly; thus, keeping up with the schedule is essential to your success. Your personal schedule must allow you to keep up with the due dates for the assignments. **Late work is not allowed in this course.** so you must plan your schedule carefully. **EXTRA CREDIT IS NOT OFFERED IN THIS COURSE.**

Technical Difficulties: **Technical issues with your computer/tablet/smart phone/internet/wifi are not an excuse to miss deadlines. This is why assignments should not be put off until near the deadline.**

The following items reflect your grading criteria and must all be completed and submitted via Blackboard:

- **SMARTBOOK REVIEW QUESTIONS:** Each chapter/topic opens with a set of Smartbook questions to help you achieve mastery of the content in the chapter. The Smartbook Review Questions are due on Friday nights. Here is a guide to help you with all Connect assignments including the Smartbook Review Questions. **Late submissions of the Smartbook Review Questions will not be accepted.** https://info.mheducation.com/rs/128-SJW-347/images/2021_Student_Guide_to_Using_Connect_and_SmartBook.pdf
- **MOVIE NIGHT QUESTIONS:** Each chapter covered in this course includes a related video to watch with associated "Movie Night" questions. All but one of the questions are multiple-choice, and are simply answered by watching and listening to the movie. I provide a printable copy of the questions for your convenience if you have printer access, but you will need to turn in your answers through the electronic submission of movie questions. You have 2 attempts for this type of activity and the highest grade will be recorded. After watching the video you will be asked to write a paragraph that describes what you learned or things you found most interesting about the video and why, so be prepared to think about how you will answer that as you watch the video. Your answer to the last question is worth **30 points** so please provide at minimum a 6 sentence paragraph with correct spelling, punctuation, and grammar for your answer, and be sure to provide specific

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Homework is open book with three attempts are allowed up until the due date. Homework assignments are always due on Saturday night.

- **TESTS** Four tests will be given during the course using McGraw Hill Proctorio. Tests will be worth 100 points each with two attempts provided and the highest grade recorded. Tests will cover material presented in the associated chapters in the textbook, and homework. All test scores will be included in your final grade. Tests are always due on Sunday nights. **Tests must be taken by the due date; no exceptions.**

IN ADDITION TO USING CONNECT FOR YOUR ASSIGNMENTS, BE ADVISED THAT FOR ALL TESTS INCLUDING THE SYLLABUS QUIZ, MIDTERM AND FINAL, YOU WILL USE MCGRAW HILL PROCTORIO. If you have never used Proctorio, please click here: <https://proctorio.com/support/setup> AS THIS WILL BE REQUIRED TO ACCESS ANY OF THE TESTS, MIDTERM AND FINAL EXAM.

The test, midterm and final exam questions are pulled directly from the Practice Test Reviews in Connect so I do not want students to use their notes or any type of references on the tests. You can access these practice questions to help you prepare, and any grade generated will NOT affect your course average.

For the Tests, you get two attempts as well to fix any questions that you missed, so please refrain from using your notes while taking your second attempt. You only have to repeat the questions you missed on any second attempt. Keep in mind Proctorio records leaving the screen, eye darting outside of computer screen, etc.

You only get one attempt for the Midterm and Final and no notes or references are allowed on either of these.

- **MIDTERM AND FINAL EXAMS:** The midterm and final exams are 100 questions multiple choice/true false with a 75 minute time limit and you only have one attempt. All midterm and final exam questions come directly off of the Tests, questions in the optional Smartbook Activities, and Practice Test Reviews. The midterm and final exam can be taken from home, but McGraw Hill Proctorio must be used to take the midterm and final. **The Midterm and Final Exams must be taken by the due date; no exceptions.**
 - **Midterm Exam**-The final exam covers Chapters 1-6. The midterm exam opens SUN MARCH 3, 2024 at midnight and closes SUN MARCH 10, 2024 before midnight
 - **Final Exam**-The final exam covers Chapters 7, 8, 13, & 16. The final exam opens WED MAY 1, 2024 at midnight and closes before midnight WED MAY 8, 2024.

Additional Midterm Grades information: *NTCC instructors are required to enter midterm grades during the ninth week of the semester. Once entered, each student's mid-term grade may be viewed by College personnel with the need to monitor such information, such as student records, student financial aid, academic advising and counseling, and administrative staff.*

Communications:

- **EMAIL:** Please check your NTCC email EVERYDAY. Email is the official form of communication used here at NTCC. All emailed questions to the instructor will be responded to within 24 hours, but usually within a few hours when possible. My instructor email address is tlubbe@ntcc.edu. So you are aware, I do NOT prefer Blackboard Messages as a means of communicating with students, so please select an alternate form of communication-email or text (see below)!
- **PHONE:** My phone # is 903-689-3671. Please feel free to text me with any course related questions. If the issue cannot be handled by text, I will set up a time to speak with you by phone or set up a Zoom/Google Meet session. **I prefer texts as opposed to emails because I generally can respond faster. Just make sure you identify yourself, name of school, and course # when you first text me. Please do not text after 8pm.**
- **ANNOUNCEMENTS:** These can be found in Blackboard under the course link on your Bb homepage. Please make sure you are reading any announcements thoroughly when they are posted there.

Student Responsibilities/Expectations:

- The last day to drop with a "W" is **THURSDAY APRIL 18, 2024**. **It is a student's responsibility to ensure the withdrawal process is completed 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. Your instructor will not drop you due to failing grades or lack of participation.**

NTCC Academic Honesty Statement:

"Students are expected to complete course work in an honest manner, using their intellects and resources designated as allowable by the course instructor. Students are responsible for addressing questions about allowable resources with the course instructor. NTCC upholds the highest standards of academic integrity. This course will follow the NTCC Academic Honesty policy stated in the Student Handbook."

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 the College Connection. She/he can be reached at 903-434-8218. For more information and to obtain a copy of the Request for Accommodations, please refer to the [NTCC website - Special Populations](#).

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.

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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 educational institution attended, other information including major, field of study, degrees, awards received, and participation in officially recognized activities/sports.