

Introduction to Geology
GEOL 10000 - 01
Monday/Thursday 10:00-11:15 am
North Bldg 510 (Monday), Zoom (Thursday)

General Information:

Instructor: Geoffrey Fouad, PhD
Email: geoffrey.fouad@hunter.cuny.edu
Office hours: Monday 11:20-1:20 pm
Office: North Bldg 1044
Zoom: <https://us02web.zoom.us/j/2033985794?pwd=OCt6dWZUZTNjR1h1ams0RFFUMGtuUT09>
Passcode: Geology

Meeting Information:

Classes are in person on Monday (North Bldg 510) and by Zoom on Thursday ([link](#)). Attendance is critical as you are examined on what we discuss in class.

Course Description:

A broad survey of the history of the Earth, its materials, and inner workings of interest to students in geography, environmental studies, and those who need to complete their “Flexible Core - Scientific World” requirement.

Prerequisites: None

Course Goals: The course meets the following goals of the “Scientific World” requirement:

- (1) Apply fundamental concepts and methods of a discipline exploring the scientific world.
- (2) Gather, interpret, and assess information from a variety of sources and points of view.
- (3) Evaluate evidence and arguments critically or analytically.
- (4) Produce well-reasoned written or oral arguments using evidence to support conclusions.
- (5) Articulate and evaluate the empirical evidence supporting a scientific or formal theory.
- (6) Demonstrate how tools of science can be used to analyze problems and develop solutions.

Required Material:*Textbook*

- *Essentials of Geology, Seventh Edition* including the “Student Site,” “Smartwork,” and “Guided Learning Explorations” (\$59.95) at:

<https://wnorton.com/books/9780393882728>

Selected reading

- Paired with class discussions to meet goals listed above

Blackboard

- The course is administered on Blackboard (see <https://hunter.cuny.edu/information-technology/services/accounts-access/blackboard/>)

Grading:

Guided learning	Due the week after assigned reading (last page)	10% (10 at 1% each)
Smartwork	Due the week after assigned reading (last page)	30% (10 at 3% each)
Exam 1	February 29	15%

Exam 2	April 4	20%
Exam 3	May 16	25%

For your final grades, minus grades (e.g., B–) are not applied, but plus grades (e.g., B+) are according to:

<https://hunter-undergraduate.catalog.cuny.edu/policies-and-requirements/academic-requirements/grading-policies/grading-definition>

Late assignments are not accepted after the exam for which they are relevant (i.e., you should use assignments to study for an upcoming exam).

Makeup exams not permitted without valid excuse/documentation provided prior to exam date.

No assignments accepted after final exam date.

Group work: You may work in groups to complete assignments, but it does not benefit you to copy answers. The assignments are intended for you to gauge your progress and study for exams.

Assignments

- Open-book, formative assessment taking the form of:
 - Guided learning explorations provided online in which you need to complete ten
 - Smartwork provided online in which ten of your highest twelve grades are used

Exams

- Summative assessment of your knowledge of the prior weeks of material (not cumulative) to be taken online and completed within 75 minutes on the day the exam is due before 11:59 pm. You will answer a total of forty questions, five from each of the prior classes, demonstrating your understanding of fundamental concepts and arguments

Academic Integrity:

Academic dishonesty (e.g., plagiarism) is a serious offense in regards to academic integrity which defeats the purpose of a college education. As such, this course enforces the “CUNY Policy on Academic Integrity” and applies Hunter’s procedures of “Academic Integrity.”

Accommodations:

In compliance with the American Disability Act, Hunter College is committed to ensuring educational parity and accommodations for students with documented disabilities and/or medical conditions. It is recommended that students with documented disabilities (e.g., emotional or physical) consult the Office of AccessABILITY to secure necessary academic accommodations (see <https://hunter.cuny.edu/students/health-wellness/accessibility/>).

Sexual Misconduct:

Sexual misconduct, and more broadly harassment of any variety, is not tolerated, and will be referred to the appropriate compliance office for review. You are urged to refer misconduct to Hunter’s Title IX Campus Coordinator, Dean John Rose (john.rose@hunter.cuny.edu), or see <https://www.hunter.cuny.edu/diversityandcompliance/title-ix>, and seek complimentary (free) assistance at <https://hunter.cuny.edu/students/health-wellness/counseling-and-wellness-services/>.

Diversity, equity, inclusion, and pronouns: We live in a diverse world in which our diversity should be celebrated. Please notify me of your correct pronouns, and understand that our classroom is an inclusive environment where each of us can come together to learn.

Class Policies: The following policies are in place to help you learn.

- (1) Do not copy-paste from classmates (you will not learn doing this)
- (2) During class time, let's focus and limit distractions of any kind
- (3) Please be on time and treat others respectfully
- (4) Complete reading before class (this will help you finish assignments faster)
- (5) Study actively (e.g., ask/answer your own questions)

Schedule: This schedule is subject to change.

Class	Subject	Reading	Deadlines
1/25	Introduction	Prelude	
1/29 2/1	The Earth in context	Chapter 1	Drop at 75% tuition refund (1/31)
2/5 2/8	Plate tectonics	Chapter 2	Chapter 1
2/12 2/15	Holiday (no class) Plate tectonics (continued)		Chapter 2
2/19 2/22	Holiday (no class) Minerals in person	Chapter 3	
2/26 2/28 2/29	Minerals (continued) Synthesis by Zoom Exam 1		Chapter 3
3/4 3/7	Igneous rocks	Chapter 4	
3/11 3/14	Volcanoes	Chapter 5 Selected reading	Chapter 4
3/18 3/21	Sedimentary rocks	Chapter 6	Chapter 5
3/25 3/28	Metamorphic rocks	Chapter 7	Chapter 6
4/1 4/4	Synthesis Exam 2		Chapter 7
4/8 4/11	Deformation and mountains	Chapter 9	
4/15 4/18	Earthquakes	Chapter 8 Selected reading	Chapter 9
4/22-30	Spring recess (no class)		
5/2	Geologic time	Chapter 10	Chapter 8
5/6 5/9	Earth's biography Energy resources	Chapter 11 Chapter 12	Chapter 10
5/13	Energy resources (continued)		Withdrawal (5/15)
5/16	Exam 3		Chapter 11 and 12