

GEOL 10000 - Introduction to Geology

Instructor: Tom Carboni

Monday - Thursday 1:00pm – 4:08pm

Winter 2017: 1/2/19 – 1/23/19

Classroom: 1021 HN

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Office: Room 1032 Hunter North (Ring Doorbell)

Office Hours: TBA

Contact Policy: In order for me to respond to your emails as efficiently as possible please adhere to the following instructions: (1) Include the course name and number in your subject line. (2) Include your entire name as it appears in CUNYfirst in your email (3) Email me from your @myhunter account. (4) Be as specific as you can with your question and include any pictures or diagrams if necessary. I will normally respond to your emails within 24 hours on the weekdays and 48 hours on the weekends. If I do not respond within that time frame, please feel free to forward me that same email again.

Brief description/purpose of course: This course will be of interest to any student who wants to learn more about the Earth as well as to those contemplating a major in Geography or Environmental Studies. The lecture meets 4 days a week for 3 hours each day. Remember, this is an intensive course in a shortened winter session. You **MUST** keep up with the material on a daily basis. The lecture will cover the formation of the Earth, rocks and the rock cycle, plate tectonics, geophysical properties of the Earth, earthquakes, volcanism, the structure and formation of the sea floor and mountain building, all in the framework of vast geologic time.

Under the Hunter Core Requirements this course satisfies D, Scientific World. This course also fulfills the Stage 2 group E of the General Education Requirement (GER). Combined with GEOL 10100, this course satisfies one of the core requirements for the geography major. For Psychology majors, the course, combined with GEOL 10100, satisfies one of the laboratory science requirements.

Required textbook:

Marshak, Stephen. Essentials of Geology, 5th edition ISBN: 978-0393263398

*Older editions are acceptable

Expected Student Outcomes: At the end of the course the successful student shall be able to:

- Describe Plate Tectonic Theory
- Describe how particular geologic features form
- Explain mineral formation, properties, and methods of identification
- Describe the Rock Cycle and how each type of rock forms
- Understand and be able to interpret geologic hazards
- Recognize geologic structures
- Discuss geologic time and Earth History
- Identify human impacts on climate

Course Grading Summary:

Exam 1: 20%

Exam 2: 20%

Final Exam: 30%

Chapter Quizzes : 20%

Participation: 10%

About examinations and grades

a) Grades follow Hunter's grading system:

<http://catalog.hunter.cuny.edu/content.php?catoid=15&navoid=1433>

b) Examinations 1 & 2 are 1 hour exams. The final exam will be 2 hours long and cumulative. All exams must be turned in promptly. If you arrive late, you lose that time. Questions for each exam will be multiple choice.

c) Make-up exams are ONLY available in extreme cases, and with medical (or other) forms that confirm the absence.

d) I will agree to the CR/NC option only if the conditions stated in the CR/NC form are satisfied: all course work has been completed, you fulfill the attendance requirements, and you earned grades such that you accumulate at least 50 points total in the course. Students on probation are not eligible for this option. You must submit the CR/NC form before you sit down for the final. Requests for CR/NC as a final grade will not be accepted during or after the final exam.

e) A final grade of IN (incomplete) is not normally given in this course except, again, under the most extraordinary and documented circumstances. You must contact me within 48 hours of the scheduled day/time of the final exam and complete a Contract to Resolve an Incomplete Grade. Otherwise, I will average your exams, participation grade, and chapter quizzes, and record what you have earned.

The Hunter College grading system will be used in this class and can be viewed in the latest undergraduate catalog available online at <http://catalog.hunter.cuny.edu/>.

As per CUNY policy, an **Unofficial Withdraw (WU)** is assigned to students who attended a minimum of one class and cease attendance at some point in the semester. It is important to understand the definition of a WU and the difference between this grade and an F grade. The conditions for assigning the WU grade include:

1. A student's enrollment has been verified by the course instructor, and
2. The student has severed all ties with the course at any time before the final exam week and, consequently, has failed to complete enough course work -- as specified in the course syllabus -- to earn a letter grade, and
3. The student has not officially withdrawn from the course by completing the process for a W grade, or made arrangements to receive an INC.

Classroom policies: You are expected to have read the reading listed for each class day before class on that date. This will optimize your learning. Please be alert, attentive, and active in discussions. I cannot repeat things multiple times to those who were not paying attention. Give me respect while I teach and I will answer all the questions you have. Earphones are not to be worn in the classroom (either on ears or around neck). Laptops are permitted; however, I strongly suggest that you do not use a lap top in class but rather take notes by hand and/or listen attentively.

Lecture: I will spend part of the lecture time explaining the key concepts of geology. You are expected to devote time outside the classroom to understand the concepts, review questions given at the end of chapters in the textbook, or questions that I may ask in class. I expect that lectures will give you a clear idea of what is expected in quizzes and exams. (Note: as a general rule of thumb for a college level course, you are expected to spend two hours outside the classroom for each hour in the class room.) Powerpoints will be posted on blackboard at least a couple days before the lecture on the topic will take place.

Suggestions: It is important to start with a good study habit. Consistency is the key. Forming study groups is extremely helpful. Use my time and any resource available to you throughout the semester. Make progress steadily as the material in this course cannot be understood the night before the exam. Concentrate on understanding rather than “regurgitating”. Put out your best effort every day!

The following are useful tips to do well in this or any class:

- Attend class and take detailed notes.
- Read the assigned material in the text (or other) before coming to class.
- Re-write your notes as soon as possible after class. This will allow you to fill in the details still fresh in your memory, and prepare questions for the next time the class meets.
- Test yourself by answering the questions in the book and in class.
- Carefully study the diagrams and charts in the book and in the lectures.

Extra Credit: No extra credit is given in this course. Whatever effort you would put into an extra credit assignment put into completing homework assignments and studying for exams. If you have concerns about your grade please come and talk to me.

Hunter College statement on Academic Integrity: Hunter College regards acts of academic dishonesty (e.g., plagiarism, cheating on examinations, obtaining unfair advantage, and falsification of records and official documents) as serious offenses against the values of intellectual honesty. The College is committed to enforcing CUNY Policy on Academic Integrity and will pursue cases of academic dishonesty according to the Hunter College Academic Integrity Procedures. Plagiarism, dishonesty, or cheating in any portion of the work required for this course will be punished to the full extent allowed according to Hunter College regulations.

ADA Policy: In compliance with the American Disability Act of 1990 (ADA) and with Section 504 of the Rehabilitation Act of 1973, Hunter College is committed to ensuring educational parity and accommodations for all students with documented disabilities and/or medical conditions. It is recommended that all students with documented disabilities (Emotional, Medical, Physical, and/or Learning) consult the Office of AccessABILITY, located in Room E1214B, to secure necessary academic accommodations. For further information and assistance, please call: (212)772-4857 or (212)650-3230.

Hunter College Policy on Sexual Misconduct

In compliance with the CUNY Policy on Sexual Misconduct, Hunter College affirms the prohibition of any sexual misconduct, which includes sexual violence, sexual harassment, and gender-based harassment retaliation against students, employees, or visitors, as well as certain intimate relationship. Students who have experienced any form of sexual violence on or off campus (including CUNY-sponsored trips and events) are entitled to the rights outlined in the Bill of Rights for Hunter College.

- a. Sexual Violence: Students are strongly encouraged to immediately report the incident by calling 911, contacting NYPD Special Victims Division Hotline (646-610-7272) or their local police precinct, on contacting the College's Public Safety Office (212-772-4444)
- b. All Other Forms of Sexual Misconduct: Students are also encouraged to contact the College's Title IX Campus Coordinator, Dean John Rose (jtrose@hunter.cuny.edu or 212-650-3262) or Colleen Barry (colleen.barry@hunter.cuny.edu or 212-772-4534) and seek complimentary services through the Counseling and Wellness Services Office, Hunter East 1123.

CUNY Policy on Sexual Misconduct Link:

<http://www.cuny.edu/about/administration/offices/la/Policy-on-Sexual-Misconduct-12-1-14-with-links.pdf>

Tentative Schedule of Topics

<u>WEEK</u>	<u>DAY</u>	<u>DATE</u>	<u>MATERIAL</u>	<u>MISC.</u>
1	W	1/2	Ch. 1 – The Universe, Our Solar System, and Earth in Context	Last day for 50% refund
	Th	1/3	Ch. 2 – Plate Tectonics	Jan 4 th – last day for 25% refund; last day to drop without a grade of W
2	M	1/7	Ch. 8 - Earthquakes	
	Tu	1/8	Ch. 3 – Minerals Ch. 12 – Energy and Mineral Resources	
	W	1/9	Exam #1 – Ch. 1,2,3,8,12 Ch. 4 – Magma and Igneous Rocks	
	Th	1/10	Ch. 5 - Volcanoes	
3	M	1/14	Ch. 6 – Sedimentary Rocks	
	Tu	1/15	Ch. 7 – Metamorphism and Metamorphic Rocks	
	W	1/16	Exam #2 – 4,5,6,7 Ch. 10 – Deep Time: How Old is Old?	Last day to withdraw with a grade of W.
	Th	1/17	Ch. 11 – A Biography of Earth	
4	M	1/21	<u>NO CLASSES</u>	
	Tu	1/22	Ch. 19 – Global Change in the Earth System	
	W	1/23	FINAL EXAM – Everything is up for grabs	