

Geology 10000 Introduction to Geology

sect 01 class# 5259 3 credits

Monday 10–1115 North Building Room 510 — Thursday 10–1115 Remote/Online

Instructor: Rob Schenck

Email: schenck.rob@gmail.com

Office hours: By Appt

Textbook: *Essentials of Geology*, Marshak. Digital edition with smartworks.

Can be purchased through the publisher: <https://wnorton.com/books/9780393882728>

Login to Norton and add the course using Student Set ID **839390** . Begin reading the Prelude and Chapter 1 in the ebook and work on the Week 1 questions in the Smartworks and Guided Learning Section. Each week new assignments will appear.

This course meets on a hybrid schedule. We are in person on Mondays and online Thursdays. You will have various online assignments to complete during the week. There is no required laboratory for this course. Email me for arranging office hours.

Goals & outcomes

This course meets graduation requirements for FSW - Flexible Core - Scientific World. It's understood that many students in this course are not science majors and this may be your only science course as an undergrad. Students in this course will be able to understand how science and the earth scientists work, formulate new ideas, work with data, and compare theories. Students will also be able to relate the facts and findings of earth science to the complex social and economic situations we find ourselves in today, and be able to interpret those issues through a scientific lens and framing. Successful students in this course will be able to collect and analyze scientific data and draw conclusions from that data using scientific theories.



DEPARTMENT OF

GEOGRAPHY AND ENVIRONMENTAL SCIENCE



HUMAN AND PHYSICAL GEOGRAPHY



EARTH AND ENVIRONMENTAL SCIENCE



GIS



GEOINFORMATICS



REMOTE SENSING

HUNTER

Course Work

Exams

We will have 3 exams during the semester and a final. This ensures students have been tested on course material and know what their evaluations are throughout the course and before the final exam. The Final Exam will occur during finals week and will be cumulative. Exams will be in person during the monday class period.

Online Work

While the lectures progress through the textbook subjects, students will complete the corresponding Smartworks problems and activities online. At a minimum make sure to reserve the scheduled course time on remote Thursdays for doing the online assignments, however you should schedule additional time as needed. Assignments will be due at the end of each week.

Buoy Project

Specific details will be included in the assignment. This is a semester long project. You will select and then regularly download data collected by an oceanographic buoy at the National Data Buoy Center

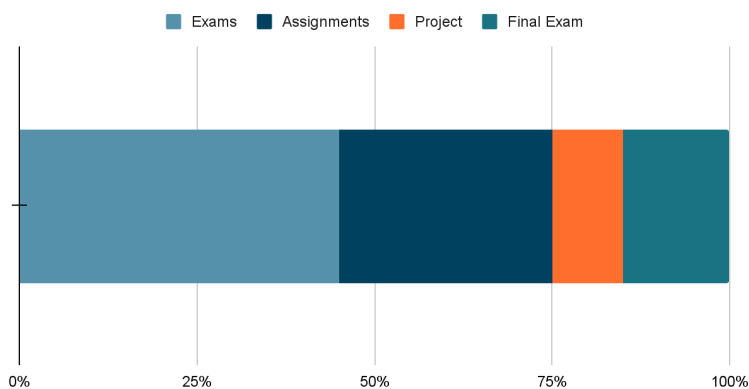
<https://www.ndbc.noaa.gov/>

Using basic functions in Excel or other spreadsheet software, you will determine the properties of that dataset, such as the average height of waves and wind speeds. You will then interpret that dataset in terms of oceanographic theories discussed in class. Finally you will make a brief powerpoint or equivalent presentation on your data and your findings. The powerpoint will be uploaded to the Blackboard site and reviewed by your peers and instructor.

Grading Scheme

Each component of the course builds up to make your total grade.

Total Grade



Exams 45% (15% each exam)

Final Exam 15%

Buoy Project 10%

Online Assignments 30%

Course Schedule

Week #	Date	Chapters and materials	Online Work due & Notes
1	Th 8/29	Science & Ch1 Earth in Context	Smartworks, pre-assessment
2	M 9/2 * Th 9/5	Science & Ch1 Earth in Context	Smartworks, pre-assessment
3	M 9/9 Th 9/11	Ch2 Plate Tectonics	Smartworks
4	M 9/16 Th 9/19	Ch2 Plate Tectonics	Smartworks
5	M 9/23 Th 9/26	Exam 1	
6	M 9/30 Th 10/3 *	Chp3 Minerals	Smartworks
7	M 10/7 Th 10/10	Ch4 Igneous Rocks	Smartworks
8	T 10/15 Th 10/17	Ch6 Sedimentary Rocks	10/15 Monday Sched
9	M 10/21 Th 10/24	Ch Metamorphic Rocks	Smartworks
10	M 10/28 Th 10/31	Exam 2	
11	M 11/15 Th 11/7	Ch10 Deep Time	Smartworks
12	M 11/11 Th 11/14	Chp 11 Biography of Earth	Smartworks
13	M 11/18 Th 11/21	Ch12 Energy & resources	Smartworks
14	M 11/25 Th 11/27	Ch15 Oceans	11/27 Friday Sched
15	M 12/2 Th 12/5	Ch18 Glaciers & Ice Ages & Ch19	P/NC Deadline 12/4
16	M 12/9 Th 12/12	Exam 3	Post-assessment, Buoy Proj Due
17	M 12/16	CUMULATIVE FINAL	FINALS WEEK

*Hunter Closed

Hunter College Policy 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 the CUNY Policy on Academic Integrity and will pursue cases of academic dishonesty according to the Hunter College Academic Integrity Procedures.

Hunter College's Policy on Students with Disabilities:

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 E1124 to secure necessary academic accommodations. For further information and assistance please call (212- 772- 4857)/TTY (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. 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)

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 5 (colleen.barr7@hunter.cuny.edu or 212-772-4534) and seek complimentary services through the Counseling and Wellness Services Office, Hunter East 1123.

Policy on Sexual Misconduct can be found at

<http://www.hunter.cuny.edu/diversityandcompliance/title-ix>

Preferred Gender Pronoun

All people have the right to be addressed and referred to in accordance with their personal identity. In this class, we will have the chance to indicate the name that we prefer to be called and, if we choose, to identify pronouns with which we would like to be addressed. I will do my best to address and refer to all students accordingly and support classmates in doing so as well.