

# Course Syllabus

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 Edit

## Earth and Space Science (Geology 110)

Summer 2024/Imperial Valley College

Kevin Marty [[Contact Info \(https://imperial.instructure.com/courses/26981/pages/contact-info\)](https://imperial.instructure.com/courses/26981/pages/contact-info)]

Earth and Space Science is an entry level course on principles and concepts of science relevant to geology, astronomy, oceanography and meteorology.

<---- See Sidebar for Modules, Assignments, Announcements, Quizzes and other links



near the Salton Sea under moonlight (2019)...interaction of the Earth's systems in landscape photography.

**Hello and welcome to Geology 110 (Earth and Space Science). Below is the syllabus that outlines what this course is about and how we will cover the course material during this semester (along with other important information). Once you have reviewed the syllabus, please go to the modules section of Canvas and read through other important information regarding this course, and get started on your assignments when you are ready.**

**PLEASE NOTE: ONCE YOU HAVE READ THROUGH THE SYLLABUS HERE, ALL YOU HAVE TO DO IS GO BACK TO THE 'HOME' PAGE - EVERYTHING IS LINKED TO THE BUTTONS ON THE HOME PAGE (SO YOU DON'T HAVE TO GO TO ASSIGNMENTS OR QUIZZES, FOR EXAMPLE, BECAUSE THEY ARE ALREADY LINKED TO BUTTONS WHICH OPEN UP THE WEEKLY 'MODULES' THAT CONTAIN ALL OF YOUR TASKS FOR EACH WEEK)...THE ONLY OTHER LINK YOU WILL USE FREQUENTLY IS 'ANNOUNCEMENTS'.**

**YOU CAN GET TO THE 'HOME' PAGE HERE: [HOME PAGE](https://imperial.instructure.com/courses/26981/pages/home-page)**

**(<https://imperial.instructure.com/courses/26981/pages/home-page>) OR AT THE TOP OF THE COLUMN TO THE LEFT.**

### Basic Course Information

<b>Semester</b>	Summer 2024	<b>Instructor Name</b>	Kevin Marty
<b>Course Title &amp; #</b>	Geology 110	<b>Email</b>	<a href="mailto:kevin.marty@imperial.edu">kevin.marty@imperial.edu</a> ( <a href="mailto:kevin.marty@imperial.edu">mailto:kevin.marty@imperial.edu</a> )
<b>CRN #</b>	CRN: 30019		
<b>Room</b>	Science Dept, 2700 bldg	<b>Office</b>	2772
<b>Class Dates</b>	June 17-July 25	<b>Office Hours</b>	TBA
<b>Class Days</b>	Online: Zoom optional	<b>Office Phone #</b>	760-355-5761 (N/A this semester)

<b>Class Times</b>	Online	Office contact if instructor will be out or emergency	Science Dept at 760-355-6155
<b>Units</b>	3		

### OPTIONAL ZOOM MEETINGS (PLEASE READ)

these classes are offered this semester as traditional online classes (for all CRNs listed above); therefore Zoom meetings are not required. I will generally hold an (optional) weekly office hour Zoom meetings that you can attend at your discretion to discuss anything related to the class work. PLEASE NOTE: I will hold a recommended Zoom (orientation) meeting at the beginning of the semester to go over the course content and Canvas (to be announced).

### Course Description

This introductory earth and space science course covers basic principles from the fields of geology, astronomy, oceanography, and meteorology. Minerals and rocks, natural processes acting at the earth's surface and within the Earth, plate tectonics, geologic time and dating, composition and motions of the Earth, solar system, phases of the moon, origin and life cycles of stars, galaxies, water movements, ocean floor, weather and climate, along with other related topics will be studied. (C-ID GEOL 120) (CSU, UC)

(more)

The Earth System is diverse and dynamic, featuring volcanoes, earthquakes, tsunamis, landslides, floods, hurricanes, tornadoes, and so on. As citizens, we want to understand what is going on in our natural world and which aspects directly affect us or are most interesting. Understanding past events helps us comprehend what has happened and begin to predict future events. With the Earth System (it's components being the Atmosphere, Hydrosphere-including ice, Biosphere, Geosphere and influences from Space or the Exosphere), we examine past events and current natural processes to understand how this past and these processes affect humans. We will examine Space, the evolution of the Solar System and how space affects Earth's systems.

Accordingly, this course looks at the processes and materials composing Earth's physical environment, for example, its landscapes, interior, air and water, and explores topics such as natural hazards and disasters, fossils, energy resources, and much more. This course also explores topics related to space, such as the evolution of stars and our solar system, and examines evidence of past impacts and the threat of impacts with space objects today. To do so, we will learn some underlying principles of the natural world, from small things like the very building blocks of matter (atoms), to large things, like the

cause and effect of regional forces that build mountains (e.g., the Himalayas) and make new oceans (e.g., the Red Sea). These processes are active today on Earth, whether driven by the Sun or Earth's internal heat, and as mentioned above can culminate in earthquakes, volcanoes, landslides, ocean currents and hurricanes, all of which obviously affect humans.

### **Student Learning Outcomes**

Upon course completion, the successful student will have acquired new skills, knowledge, and or attitudes as demonstrated by being able to:

1. Gain critical thinking skills while working on and completing weekly homework assignments which include applying methods such as Venn diagrams, rubrics, and concept maps. (ILO2)
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 done through various homework assignments. (ILO5)
3. Gain knowledge of geological, meteorological, astronomical and oceanic features and processes through lectures, research papers, exams and presentations. Ties to all objectives. (ILO4)

### **Course Objective**

Upon satisfactory completion of the course, students will be able to:

1. Demonstrate a basic understanding of the nature of matter, and describe the movement of matter and energy through the natural processes on Earth.
2. Explain the character of the sediments, rocks, and minerals of which they are composed, and relate this to the rock cycle.
3. Identify and explain the major subdivisions of Earth and processes acting deep inside Earth that effect the environment at the Earth's surface.
4. Describe the time frame within which natural processes function, and learn ways geologists use to decipher Earth's history.
5. Demonstrate an understanding of the theory of plate tectonics and relate this to earthquakes, volcanoes, mountain building and the evolution of the physical world over million of years.
6. Identify the cause and effect of earthquakes and how they are measured, and the effect on people.



7. Characterize volcanic activity and identify its natural causes and impact on the environment.
8. Identify landscapes and source of sediments on the sea floor, and show the relationship between geology and ecology of the oceans.
9. Demonstrate knowledge of the dynamics of the sea by understanding near surface and deep sea circulation patterns and interaction with the atmosphere, and the composition and properties of sea water.
10. Identify the processes that effect sea level and shape the shoreline, and understand coastal environments.
11. Describe the composition and structure of the atmosphere, and examine atmospheric circulation, weather systems and storms, along with modern and past climates.
12. Describe the connection among ecology, climate and geology, and understand the character of the land surface and the agents that shape the landscape.
13. Explain the weathering process and the products of weathering.
14. Explain mass wasting and ways to avoid and prevent it.
15. Demonstrate a knowledge and understating of the role of water and wind in earth systems. Processes such as runoff, erosion, deflation and features such as stream, groundwater, and dune systems will be examined.
16. Explain the formation of glacier ice, the ways ice and ice deposits shape the landscape, and the connection between glaciers and other parts of Earth's systems.
17. Demonstrate a knowledge and understanding of the sun, the moon, the planets and other characteristics of the solar system and beyond.

### Textbooks & Other Resources or Links

1) McConnell, D., and others. The Good Earth (Third/e). New York McGraw-Hill. (***Provided online through Canvas; you do not need to purchase a textbook- see opening announcement***).

Three scientific themes are emphasized throughout the text: 1) scientific literacy; 2) Earth Science and the human experience; and, 3) the science of global change. This book will help you learn earth science concepts and processes on your own and complement what we do in class.

## Course Requirements and Instructional Methods

Course Philosophy and Teaching Method: The subject of Earth Science is as vast and diverse as the natural world around us. Together, we will explore and visualize this dynamic world in a number of ways; in no way will it be a static collection of facts. Accordingly, we will concentrate on understanding natural processes and how we explore and learn things about our planet, rather than terms and factual trivia. We will concentrate on active, inquiry-based learning and will learn how to observe, think about, and understand our place in the natural environment. The critical inquiry and observational skills that we cultivate this semester should be useful in any profession, since they give you an appreciation of how earth science processes in our natural world impact our environment and society.

It is your responsibility and obligation to complete the required readings each week and prior to any online quizzes.

Course Expectations: My role in this class is to provide a framework that includes theory, best practices, activities, and assignments for you to utilize in the development of your knowledge, understanding, and skills. I care very much how and what you learn in this class, but I believe that you are responsible for participating in learning from the activities provided. This class requires significant preparation and reading.

## Course Grading Based on Course Objectives

### Grades:

In this course, your grade will be based on points that you earn. There are approximately 535-660 possible points, depending , which are written out below:

Point Distribution Summary*	Points
<p><b>Two-Three Tests @ ~100 points each (200-300 points total); non-comprehensive and given generally after every 4 chapters of coverage</b></p> <p><b>UPDATE: an alternative assignment might be required in place of Test 3 (TBD)</b></p>	<b>225-300</b>
<b>Quizzes (~12 @ 10 pts each; 2 @ 10 pts each)</b>	<b>140</b>
<b>Discussion boards ~5 @ 15-20 pts each; also two quizzes based on</b>	

<b>outside investigations (shown above)...AND...</b>	
<b>~5-6 Journal Posts (see under "Modules" for information/requirements for the Journal Entries and a grading rubric) @ 15-20 Pts each</b>	<b>~170-220</b>
<b>Total Points Possible</b>	<b>~535-660</b>

**Tests:** There are 2-3 total tests over four chapters each. Each of these tests is worth 100 points, for a semester total of 200-300 points. The tests consist of 50 multiple choice/answer, reading comprehension, fill-in-the-blank type questions (each question worth 2 pts for 100 pts total). Your textbook is your best study guide for the tests along with the chapter quizzes.

The '**UPDATE**' in the table above shows that a paper/investigation over National Parks might substitute for Test 3 (to be decided after the semester begins)

You can make up exams only if you have a note from a doctor, a letter from the university regarding some university-sponsored activity, a copy of a jury summons, a police report, or some other document that can be verified. This legitimate proof for why you cannot attend class that day must be provided to the instructor as far in advance of the exam as possible.

**Quizzes:** there are a total of 12 chapter quizzes scheduled (one for each chapter covered) that generally consist of 20 questions worth  $\frac{1}{2}$  point each (so the total points possible for each quiz is 10 pts). You generally have two-three attempts over a 50-minute time period to complete each quiz (you highest score will be recorded). See syllabus for quiz due dates. Some of these questions will be found on your three tests described above so are a partial study guide (along with reading the chapters) for your tests. These cannot be made up once each due date (and the one-day grace period) passes.

**Discussion Boards/Journal Entries:** Discussions are ways to present your viewpoint or what you have learned about a topic to the class; and to respond to your classmate's posts to further discussion on a topic. Discussions are completed through Canvas and are generally worth 10-20 points. Sometimes an initial as well as a response post (to classmate's posts) are required. Not all lessons require a post (click on "Discussions" above to see the schedule); a couple discussion boards require quizzes instead of written posts...ALSO, there are 6-7 Journal Entries required for this course (read about this through the "Journal Rubric" found under the "Modules" link to the left- scroll to Lesson 4 over Plate Tectonics to find the Rubric and where your first journal post is due). Journals are a way of connecting topics from the course (and the natural world) to your life. These add up to a significant portion of your grade so please take the time to really experience and think about how you make these

connections (the Journal Rubric describes the purpose of the journals in detail).

**optional: GOING FOR 5% points (added to your grade):**

**you will have the opportunity in this class to earn 5% points (added directly to your grade) by completing an assignment of your choice at an alternative website (THE CONCORD CONSORTIUM WEBSITE). Here you can choose from modules covering Plate Tectonics OR Life in Space OR Climate OR Will There be Enough Fresh Water. Showing a good effort/completeness/accuracy on the topic of your choice (described above) can earn you a 5% increase on your grade total (and possibly put you at the next letter grade...that is for you to monitor and decide).**

**Field Trip: N/A this semester.**

**Due Dates:** The above assignments have specifically defined due dates as noted in the Course Schedule (see Table below). It is your responsibility to keep up on all due dates. The instructor will not assume the responsibility of reminding you that an assignment is due or that an exam will be given.

**Score/Grade Posting:** All scores will be posted on Canvas. You have 7 days after a score has been posted to dispute an entry. After the 7-day period, the score stands as entered. Do not wait until the end of the semester to check your scores. Grades are not assigned by a “curve”, where a certain percent is assigned “A”, “B”, etc. Instead, you are competing against my expectations, not your classmates, and there is no predetermined percentage of “A”, “B”, and “C”. The exact division between letter grades will not be determined until the final points are totaled, but the grade breaks will not be raised above typical values (e.g., the A-B grade break will be 90% or lower, etc.). No items are weighted—your grade is based solely on total points received. Please note also that I use Canvas only to ‘show’ you your scores, but not to grade you. Any grade you see in Canvas is probably inaccurate, so only check to make sure your scores are recorded correctly...to figure out your approximate grade at any given point, add up to total points possible to the date you are figuring out your score, and divide that into the total points you have earned (which you will find through Canvas)...then multiply that number by 100 to get your percentage.


**Dates for Withdrawals:** There is a course withdrawal deadline—check the college calendar to find the course withdrawal deadline for this semester. The course withdrawal deadline is a no-tolerance policy. When the withdrawal period ends, students only have one option – a grade of F for the course.

**Incomplete Grade:** A mark of “I” is given only when a student who is otherwise doing acceptable work is unable to complete a course because of an illness or other situation beyond the student’s control. The student is required to arrange for the completion of the course requirements with the instructor. The



university does not allow instructors to assign a grade of “I” simply because a student has quit attending classes and/or completing assignments.

## Attendance

- A student who fails to show up for the first class meeting can be dropped by the instructor. For an online class, this means not completing (or attempting to complete) and submitting required assignments during the first week. Should readmission be desired, the student’s status will be the same as that of any other student who desires to add a class. It is the student’s responsibility to drop or officially withdraw from the class. See the [IVC General Catalog](https://www.imperial.edu/courses-and-programs/catalogs-and-schedules/)  (<https://www.imperial.edu/courses-and-programs/catalogs-and-schedules/>) for details.
- Furthermore, students who fail to complete required activities for two consecutive weeks may be considered to have excessive absences and may be dropped.

## Online Classroom “Netiquette “

- What is netiquette? Netiquette is internet manners, online etiquette, and digital etiquette all rolled into one word (this applies to strictly online and hybrid classes).
- Netiquette rules to remember: (1) identify yourself, (2) include a subject line, (3) avoid sarcasm, (4) respect others’ opinions and privacy, (5) acknowledge and return messages promptly, (6) copy with caution, (7) do not spam or junk mail, (8) be concise, (9) use appropriate language, (10) use appropriate emoticons (emotional icons) to help convey meaning, and (11) use appropriate intensifiers to help convey meaning [do not use ALL CAPS or multiple exclamation marks (!!!!)].

## Academic Honesty

- Plagiarism is taking and presenting as one’s own the writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to ‘cite a source’ correctly, you must ask for help.
- Cheating is defined as fraud, deceit, or dishonesty in an academic assignment, or using or attempting to use materials, or assisting others in using materials that are prohibited or inappropriate in the context of the academic assignment in question.
- Anyone caught cheating or will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the General School Catalog for more information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to, the following: (a) plagiarism; (b) copying or attempting to copy from others during an examination or on an assignment; (c) communicating

test information with another person during an examination; (d) allowing others to do an assignment or portion of an assignment; (e) using a commercial term paper service.

### **Additional Help – Discretionary Section and Language**

Help Along The Way: Many students enter this class with a bit of anxiety. Other students may have various disabilities, including test anxiety, which may make traditional classroom environments very difficult. Don't worry, almost all such students before you have passed this course – many with very high grades! The success of many of these students, though, was in part because they attended class regularly, took advantage of my office hours, or obtained help from their peers. If you are having difficulty understanding the course work, please contact me immediately. Also, the college has learning centers, disability resource centers, and counseling centers to address the various needs of students. (see examples next):


- Learning Labs: There are several 'labs' on campus to assist you through the use of computers, tutors, or a combination. Please consult your college map for the Math Lab, Reading & Writing Lab, and Study Skills Center (library). Please speak to the instructor about labs unique to your specific program.
- Library Services: There is more to our library than just books. You have access to tutors in the Study Skills Center, study rooms for small groups, and online access to a wealth of resources.

### **Disabled Student Programs and Services (DSPS)**

Any student with a documented disability who may need educational accommodations should notify the instructor or the Disabled Student Programs and Services (DSP&S) office as soon as possible. The DSP&S office is located in Building 2100, telephone 760-355-6313, if you feel you need to be evaluated for educational accommodations.

### **Student Counseling and Health Services**

Students have counseling and health services available, provided by the pre-paid Student Health Fee. We now also have a fulltime mental health counselor. For information see

<http://www.imperial.edu/students/student-health-center/>  (<http://www.imperial.edu/students/student-health-center/>). The IVC Student Health Center is located in the Health Science building in Room 2109, telephone 760-355-6310.

### **Student Rights and Responsibilities**

Students have the right to experience a positive learning environment and due process. For further information regarding student rights and responsibilities, please refer to the IVC General Catalog

available online at [http://www.imperial.edu/index.php?](http://www.imperial.edu/index.php?option=com_docman&task=doc_download&gid=4516&Itemid=762)

[option=com\\_docman&task=doc\\_download&gid=4516&Itemid=762](http://www.imperial.edu/index.php?option=com_docman&task=doc_download&gid=4516&Itemid=762) 

[\(http://www.imperial.edu/index.php?option=com\\_docman&task=doc\\_download&gid=4516&Itemid=762\)](http://www.imperial.edu/index.php?option=com_docman&task=doc_download&gid=4516&Itemid=762)

## Information Literacy

Imperial Valley College is dedicated to helping students skillfully discover, evaluate, and use information from all sources. Students can access tutorials at [http://www.imperial.edu/courses-and-](http://www.imperial.edu/courses-and-programs/divisions/arts-and-letters/library-department/info-lit-tutorials/)

[programs/divisions/arts-and-letters/library-department/info-lit-tutorials/](http://www.imperial.edu/courses-and-programs/divisions/arts-and-letters/library-department/info-lit-tutorials/) 

[\(http://www.imperial.edu/courses-and-programs/divisions/arts-and-letters/library-department/info-lit-tutorials/%20\)](http://www.imperial.edu/courses-and-programs/divisions/arts-and-letters/library-department/info-lit-tutorials/%20)

## Anticipated Class Schedule / Calendar

Schedule for Geology 110: Earth and Space Science, Summer 2024

\*All due dates and distribution of grade points is subject to change according to class needs.

\*\*NOTE: for purposes of this online class, the week begins on Mondays at 12:01 am and ends on Sundays at 11:59 pm.

Day 1 is Monday and Day 7 is Sunday (and, for example, Day 4 is Thursday) each week.

Week of	Topic/Lecture/Test	Readings
June 17-19	Lesson 1: Introduction to course and Scientific Method <a href="#">Lewis and Clarke Expedition OR Mystery of the Megaflood (Video) Post</a> Quiz Chapter 1	Chapter 1
June 20-22	Lesson 2: Earth in Space <a href="#">Season's Assignment/Quiz</a>	Chapter 2
















	Quiz Chapter 2	
June 23-25	Lesson 3: Near Earth Objects <a href="#">Space Exploration Post</a> Quiz Chapter 3	Chapter 3
June 26-28	Lesson 4: Plate Tectonics <a href="#">Journal Post 1</a> Quiz Chapter 4	Chapter 4
June 29	<b>Test 1: Opens at 6 am and closes at 11:59 pm. Taken online and found under Modules (and "Quizzes" link).</b>	Test 1
June 30-July 2	Lesson 5: Earthquakes <a href="#">Journal Post 2</a> Quiz Chapter 5 <a href="#">Earthquake Post (optional, extra credit)</a>	Chapter 5
July 3-5	Lesson 6: Volcanoes <a href="#">Journal Post 3</a> Quiz Chapter 6	Chapter 6



July 6-8	<p>Lesson 7: Rocks and Minerals</p> <p><b>Journal Post 4</b></p> <p>Quiz Chapter 7</p>	Chapter 7
July 9-11	<p>Lesson 8: Geologic Time</p> <p><b>Geologic Time Investigation</b></p> <p>Quiz Chapter 8</p>	Chapter 8
July 12	<p><b>Test 2: Opens at 6 am and closes at 11:59 pm. Taken online and found under the "Quizzes" link</b></p>	Test 2
	<p><b>Optional Going For An Additional 5% on your grade-</b> by completing a topic at the Concord website described below.</p> <p>Concord Consortium: Plate Tectonics (STEM assignment); OR INSTEAD OF PLATE TECTONICS YOU CAN CHOOSE 'CLIMATE' OR 'LIFE IN SPACE' OR 'WILL THERE BE ENOUGH WATER' MODULES AT THE CONCORD SITE. Please keep in mind each topic above consists of modules (where you do most of your work) AND a pre and post-test (which are not graded but required).</p>	Concord Consortium Optional Assignment
July 13-15	<p>Lesson 9: Oceans and Coastlines</p> <p><b>Journal Post #5</b></p> <p>Quiz Chapter 13</p>	Chapter 13
July 16-18	<p>Lesson 10: The Atmosphere</p> <p><b>Journal Post #6</b></p>	Chapter 14

	Quiz Chapter 14	
July 19-21	Lesson 11: Weather Systems <b>COMET: Basic Weather Processes</b> Quiz Chapter 15	Chapter 15
July 22-24	Lesson 12: Climate and Climate Change Assignment <b>Climate and Climate Change Assignment</b> Quiz Chapter 16	Chapter 16
July 25	<b>Geology of National Parks Assignment</b>	Short Essay

# Course Summary:

Date	Details	Due
Sat Jan 20, 2024	  <b><u>Lesson 1 (Chapter 1): Scientific Method Post Over Mystery of the Megaflood Due Day 4</u></b> <a href="https://imperial.instructure.com/courses/26981/assignments/691538">https://imperial.instructure.com/courses/26981/assignments/691538</a>	due by 11:59pm
	  <b><u>1: Introductory Post (initial and response posts)</u></b> <a href="https://imperial.instructure.com/courses/26981/assignments/691540">https://imperial.instructure.com/courses/26981/assignments/691540</a>	due by 11:59pm
Thu Feb 22, 2024	 <b><u>Lesson 8: Geology of National Parks</u></b> <a href="https://imperial.instructure.com/courses/26981/assignments/691533">https://imperial.instructure.com/courses/26981/assignments/691533</a>	due by 11:59pm
Sun Mar 17, 2024	  <b><u>Quiz Chapter 1 (from textbook reading above)</u></b> <a href="https://imperial.instructure.com/courses/26981/assignments/691482">https://imperial.instructure.com/courses/26981/assignments/691482</a>	due by 11:59pm
	  <b><u>Initial and Response Post: Space Exploration</u></b> <a href="https://imperial.instructure.com/courses/26981/assignments/691536">https://imperial.instructure.com/courses/26981/assignments/691536</a>	due by 11:59pm
Wed Mar 20, 2024	  <b><u>Quiz Chapter 2</u></b> <a href="https://imperial.instructure.com/courses/26981/assignments/691446">https://imperial.instructure.com/courses/26981/assignments/691446</a>	due by 11:59pm
	  <b><u>Quiz Chapter 3</u></b> <a href="https://imperial.instructure.com/courses/26981/assignments/691467">https://imperial.instructure.com/courses/26981/assignments/691467</a>	due by 11:59pm
	  <b><u>Season's Assignment (Quiz)</u></b> <a href="https://imperial.instructure.com/courses/26981/assignments/691465">https://imperial.instructure.com/courses/26981/assignments/691465</a>	due by 11:59pm

  **Journal Post 1: BEFORE POSTING HERE READ ON "JOURNAL RUBRIC" and READ ON "DRAWING FROM YOUR IMAGINATION" and "EXPLORING MINDFULNESS..." (BELOW) for helpful hints; Also you have a choice of doing EITHER this Journal Post 1 OR the Dynamic Earth Post**

**(<https://imperial.instructure.com/courses/26981/assignments/691534>)**

Sat Mar 23, 2024

due by 11:59pm

  **Journal Post 2**

**(<https://imperial.instructure.com/courses/26981/assignments/691530>)**

Wed Mar 27, 2024



due by 11:59pm

  **Journal Post 5**

**(<https://imperial.instructure.com/courses/26981/assignments/691520>)**


Fri Mar 29, 2024

due by 11:59pm

  **Lesson 5: OPTIONAL Earthquake Post (SUMMER SESSION: EXTRA CREDIT UP TO 10 PTS); Due July 15 (prior to test 2).**

**(<https://imperial.instructure.com/courses/26981/assignments/691528>)**

due by 11:59pm

 **Lesson 4: Dynamic Earth Post (you have a choice of completing EITHER this post OR the Journal Post 1 above)**

**(<https://imperial.instructure.com/courses/26981/assignments/691508>)**

Sat Mar 30, 2024

due by 11:59pm

  **Journal Post 3**


**(<https://imperial.instructure.com/courses/26981/assignments/691526>)**

due by 11:59pm

 **Earthquake Assignment**

**(<https://imperial.instructure.com/courses/26981/assignments/691567>)**

due by 11:59pm

 **Hurricane Tracking Assignment**

**(<https://imperial.instructure.com/courses/26981/assignments/691572>)**

Sun Mar 31, 2024

due by 11:59pm

 **Volcano Assignment**



<https://imperial.instructure.com/courses/26981/assignments/691596> due by 11:59pm

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  **Journal Post 4** due by 11:59pm  
<https://imperial.instructure.com/courses/26981/assignments/691524>

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Tue Apr 2, 2024

  **Lesson 9: Oceans and Coastlines Post** due by 11:59pm  
<https://imperial.instructure.com/courses/26981/assignments/691522>

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Wed Apr 10, 2024

 **Journal Post 6** due by 11:59pm  
<https://imperial.instructure.com/courses/26981/assignments/691516>

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Sun Apr 14, 2024

 **Lesson 1 (Chapter 1): Scientific Method Post Over Horoscope AND Lewis and Clark Expedition OR Mystery of the Megaflood Video** due by 11:59pm  
<https://imperial.instructure.com/courses/26981/assignments/691539>

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Sun Apr 21, 2024

  **Quiz Chapter 4** due by 11:59pm  
<https://imperial.instructure.com/courses/26981/assignments/691494>

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Sun Apr 28, 2024

  **Quiz Chapter 5** due by 11:59pm  
<https://imperial.instructure.com/courses/26981/assignments/691490>

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Sun May 5, 2024

  **Quiz Chapter 6** due by 11:59pm  
<https://imperial.instructure.com/courses/26981/assignments/691472>

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Sun May 12, 2024

  **Quiz Chapter 7** due by 11:59pm  
<https://imperial.instructure.com/courses/26981/assignments/691450>

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  **Quiz Chapter 8** due by 11:59pm  
<https://imperial.instructure.com/courses/26981/assignments/691477>

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Tue May 14, 2024

 **Short Research Paper Due Nov 2:NOTE- EXTRA CREDIT (OPTIONAL) UP TO 10 PTS** due by 11:59pm  
<https://imperial.instructure.com/courses/26981/assignments/691581>

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 **[Earthquake Assignment](https://imperial.instructure.com/courses/26981/assignments/691568)** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691568>)

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Sun May 19, 2024

 **[Hurricane Tracking Assignment](https://imperial.instructure.com/courses/26981/assignments/691571)** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691571>)

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 **[Volcano Assignment](https://imperial.instructure.com/courses/26981/assignments/691585)** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691585>)

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 **[Chapter 1. Introduction to Earth Science](https://imperial.instructure.com/courses/26981/assignments/691542)** due by 8:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691542>)

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 **[Chapter 13. Oceans and Coastlines](https://imperial.instructure.com/courses/26981/assignments/691544)** due by 8:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691544>)

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 **[Chapter 14. The Atmosphere](https://imperial.instructure.com/courses/26981/assignments/691546)** due by 8:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691546>)

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 **[Chapter 15. Weather Systems](https://imperial.instructure.com/courses/26981/assignments/691548)** due by 8:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691548>)

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 **[Chapter 16. Earth's Climate System](https://imperial.instructure.com/courses/26981/assignments/691550)** due by 8:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691550>)

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Fri May 24, 2024

 **[Chapter 2. Earth in Space](https://imperial.instructure.com/courses/26981/assignments/691552)** due by 8:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691552>)

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 **[Chapter 3. Near-Earth Objects](https://imperial.instructure.com/courses/26981/assignments/691554)** due by 8:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691554>)

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 **[Chapter 4. Plate Tectonics](https://imperial.instructure.com/courses/26981/assignments/691556)** due by 8:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691556>)

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 **[Chapter 5. Earthquakes](https://imperial.instructure.com/courses/26981/assignments/691558)** due by 8:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691558>)

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 **Chapter 6. Volcanoes and Mountains** due by 8:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691560>)

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 **Chapter 7. Rocks and Minerals** due by 8:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691562>)

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 **Chapter 8. Geologic Time** due by 8:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691564>)

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 **Test 3 Short Research Paper for Extra Credit (see previous description of topics at Test 2)** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691583>)

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Sun May 26, 2024

  **Quiz Chapter 13** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691493>)

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  **Quiz Chapter 14** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691483>)

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 **Chapter 1. Introduction to Earth Science** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691543>)

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 **Chapter 13. Oceans and Coastlines** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691545>)

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 **Chapter 14. The Atmosphere** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691547>)

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 **Chapter 15. Weather Systems** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691549>)

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 **Chapter 16. Earth's Climate System** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691551>)

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Wed May 29, 2024

 **Chapter 2. Earth in Space** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691553>)

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 **Chapter 3. Near-Earth Objects** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691555>)

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 **Chapter 4. Plate Tectonics** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691557>)

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 **Chapter 5. Earthquakes** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691559>)

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 **Chapter 6. Volcanoes and Mountains** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691561>)

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 **Chapter 7. Rocks and Minerals** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691563>)

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 **Chapter 8. Geologic Time** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691565>)

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Fri May 31, 2024



 **Short Research Paper** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691580>)

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  **COMET: Introduction to Word's Oceans** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691595>)

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Sun Jun 2, 2024

  **Lesson 11: Climate and Climate Change (Chasing Ice Video)** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691518>)

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  **Quiz Chapter 15** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691461>)

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Mon Jun 3, 2024

 **one COMET module (see recent announcement for details)** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691592>)



Tue Jun 4, 2024

 **✓ Lesson 9: Oceans and Coastlines Post (OPTIONAL EXTRA CREDIT UP TO 7 PTS)**  
(<https://imperial.instructure.com/courses/26981/assignments/691523>) due by 11:59pm

Thu Jun 6, 2024

 **Geology of National Parks**  
(<https://imperial.instructure.com/courses/26981/assignments/691569>) due by 11:59pm

Thu Jun 6, 2024

 **Test 3 Chapters 13-16; Opens Day 1 at 6 am and closes Day 4 at 11:59 pm**  
(<https://imperial.instructure.com/courses/26981/assignments/691502>) due by 11:59pm

Sun Jun 9, 2024

  **Quiz Chapter 16**  
(<https://imperial.instructure.com/courses/26981/assignments/691501>) due by 11:59pm

Sat Jun 15, 2024



 **extra credit**  
(<https://imperial.instructure.com/courses/26981/assignments/691532>) due by 11:59pm

Thu Jun 20, 2024

  **Chapter 1 Quiz (from Textbook Reading)**  
(<https://imperial.instructure.com/courses/26981/assignments/691463>) due by 11:59pm

Thu Jun 20, 2024

  **1: Introductory Post (initial and response posts)**  
(<https://imperial.instructure.com/courses/26981/assignments/691541>) due by 11:59pm

  **Scientific Method assignment on either the Lewis and Clarke Expedition OR Mystery of the Megaflood (your choice)**  
(<https://imperial.instructure.com/courses/26981/assignments/691597>) due by 11:59pm

Sat Jun 22, 2024

  **Quiz Chapter 2**  
(<https://imperial.instructure.com/courses/26981/assignments/691481>) due by 11:59pm

Sat Jun 22, 2024

  **Season's Assignment (Quiz)**  
(<https://imperial.instructure.com/courses/26981/assignments/691447>) due by 11:59pm



**Initial and Response Post:  
Space Exploration**  
(<https://imperial.instructure.com/courses/26981/assignments/691537>)

due by 11:59pm

Tue Jun 25, 2024



**Quiz Chapter 3**  
(<https://imperial.instructure.com/courses/26981/assignments/691480>)

due by 11:59pm



**Quiz Chapter 4**  
(<https://imperial.instructure.com/courses/26981/assignments/691478>)

due by 11:59pm



**Journal Post 1- Astronomy  
or Ptectonics: BEFORE POSTING  
HERE READ ON "JOURNAL  
RUBRIC" (found in this module)  
and (optionally) READ ON  
"DRAWING FROM YOUR  
IMAGINATION" AND THE  
"MINDFULNESS" Resources (also  
found in this module) for helpful  
hints**  
(<https://imperial.instructure.com/courses/26981/assignments/691535>)

due by 11:59pm

Fri Jun 28, 2024



**Test 1 Chapter's 1-4: opens  
at 6 am and closes 11:59 pm.**  
(<https://imperial.instructure.com/courses/26981/assignments/691466>)

due by 11:59pm

Mon Jul 1, 2024



**Journal Post 2 -  
Awareness or Ordered/Chaotic  
World**  
(<https://imperial.instructure.com/courses/26981/assignments/691531>)

due by 11:59pm

Tue Jul 2, 2024



**Quiz Chapter 5**  
(<https://imperial.instructure.com/courses/26981/assignments/691489>)

due by 11:59pm



**Journal Post 3 - volcanoes**  
(<https://imperial.instructure.com/courses/26981/assignments/691527>)

due by 11:59pm

Fri Jul 5, 2024



**Quiz Chapter 6**  
(<https://imperial.instructure.com/courses/26981/assignments/691444>)

due by 11:59pm

  **Journal Post 4- Minerals** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691525>)

Mon Jul 8, 2024

  **Quiz Chapter 7** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691474>)



  **Geologic Time Quiz Berkeley** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691448>)

Thu Jul 11, 2024

  **Quiz Chapter 8** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691473>)

  **Test 2 Chapters 5-8; Opens at 6 am and closes at 11:59 pm** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691496>)

Fri Jul 12, 2024

  **Lesson 5: Earthquake Post...OPTIONAL EXTRA CREDIT FOR SUMMER SESSION UP TO 8 PTS. DUE BY JULY 14 (no grace period)** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691529>)

Sun Jul 14, 2024

 **Journal Post 6 Fossils** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691521>)

Mon Jul 15, 2024

  **Journal Post #5- Water** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691515>)

  **Quiz Chapter 13** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691492>)

  **Journal Post 6 - Time and Atmosphere** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691517>)

Thu Jul 18, 2024

  **Quiz Chapter 14** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691485>)



  **Quiz Chapter 15** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691504>)

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Sun Jul 21, 2024

  **COMET: Basic Weather Processes** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691594>)

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  **Climate and Climate Change (Chasing Ice Video) AND NASA climate time machine** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691519>)

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Wed Jul 24, 2024


  **Quiz Chapter 16** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691488>)

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  **Geology of National Parks (NO Test 3!! this semester; NO GRACE PERIOD FOR THIS ASSIGNMENT)** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691596>)

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Thu Jul 25, 2024

 **✓ Optional, GOING FOR a 5% increase in your grade- YOU MUST COMPLETE ONE OF THE FOLLOWING- "Plate Tectonics" OR "Climate" OR "Life in Space" OR "Will there be Enough Water" modules at the Concord website; Due by July 25.** due by 11:59pm  
(<https://imperial.instructure.com/courses/26981/assignments/691577>)

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 **Atmosphere Quiz**  
(<https://imperial.instructure.com/courses/26981/assignments/691457>)













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 **Checkpoint 1.8**  
(<https://imperial.instructure.com/courses/26981/assignments/691475>)

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 **Checkpoint Questions Chapter 1**  
(<https://imperial.instructure.com/courses/26981/assignments/691449>)

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-  **[coors or wrigley](https://imperial.instructure.com/courses/26981/assignments/691589)**  
(<https://imperial.instructure.com/courses/26981/assignments/691589>)
- 
-  **[Curve Points](https://imperial.instructure.com/courses/26981/assignments/691566)**  
(<https://imperial.instructure.com/courses/26981/assignments/691566>)
- 
-  **[example](https://imperial.instructure.com/courses/26981/assignments/691456)**  
(<https://imperial.instructure.com/courses/26981/assignments/691456>)
- 
-  **[extra credit including hike](https://imperial.instructure.com/courses/26981/assignments/691590)**  
(<https://imperial.instructure.com/courses/26981/assignments/691590>)
- 
-  **[Geologic Time Quiz](https://imperial.instructure.com/courses/26981/assignments/691455)**  
(<https://imperial.instructure.com/courses/26981/assignments/691455>)
- 
-  **[handbook for test 1](https://imperial.instructure.com/courses/26981/assignments/691591)**  
(<https://imperial.instructure.com/courses/26981/assignments/691591>)
- 
-  **[Hurricane Earthquake OR  
Volcano Assignment](https://imperial.instructure.com/courses/26981/assignments/691570)**  
(<https://imperial.instructure.com/courses/26981/assignments/691570>)
- 
-  **[Lesson 10,11,12 \(last post!\):  
Weather and Climate](https://imperial.instructure.com/courses/26981/assignments/691505)**  
(<https://imperial.instructure.com/courses/26981/assignments/691505>)
- 
-  **[Lesson 10,11,12 \(last post!\):  
Weather and Climate](https://imperial.instructure.com/courses/26981/assignments/691510)**  
(<https://imperial.instructure.com/courses/26981/assignments/691510>)
- 
-  **[Lesson 2: Space Exploration  
Post](https://imperial.instructure.com/courses/26981/assignments/691573)**  
(<https://imperial.instructure.com/courses/26981/assignments/691573>)
- 
-  **[Lesson 3: NEO post from  
NASA website \(optional\)](https://imperial.instructure.com/courses/26981/assignments/691509)**  
(<https://imperial.instructure.com/courses/26981/assignments/691509>)
- 
-  **[Lesson 3: NEO post from](#)**

**[NASA website \(optional\)](#)****<https://imperial.instructure.com/courses/26981/assignments/691514>**

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** [Lesson 4: Dynamic Earth Post](#)  
**[due week 1 of lesson 4](#)******<https://imperial.instructure.com/courses/26981/assignments/691513>**

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** [Lesson 6: Volcano Post](#)****<https://imperial.instructure.com/courses/26981/assignments/691507>**

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** [Lesson 6: Volcano Post](#)****<https://imperial.instructure.com/courses/26981/assignments/691512>**

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** [Lesson 7: Minerals Post](#)  
**[\(optional\)](#)******<https://imperial.instructure.com/courses/26981/assignments/691506>**

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** [Lesson 7: Minerals Post](#)  
**[\(optional\)](#)******<https://imperial.instructure.com/courses/26981/assignments/691511>**

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** [Locating an Earthquake](#)  
**[Epicenter](#)******<https://imperial.instructure.com/courses/26981/assignments/691574>**

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** [Mineral Assignment: Build a](#)  
**[House](#)******<https://imperial.instructure.com/courses/26981/assignments/691575>**

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** [Mineral ID Online Lab](#)****<https://imperial.instructure.com/courses/26981/assignments/691497>**

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** [Mineral Investigation Quiz](#)****<https://imperial.instructure.com/courses/26981/assignments/691484>**

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** [MTU Website](#)****<https://imperial.instructure.com/courses/26981/assignments/691445>**

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** [Optional LearnSmart Extra](#)**



**Credit**

<https://imperial.instructure.com/courses/26981/assignments/691576>

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 **Quiz 1 Chapter 1**

<https://imperial.instructure.com/courses/26981/assignments/691495>

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 **Quiz 2 Chapter 2**

<https://imperial.instructure.com/courses/26981/assignments/691468>

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 **Quiz 3 Chapter 3**

<https://imperial.instructure.com/courses/26981/assignments/691500>

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 **Quiz 4 Chapter 4**

<https://imperial.instructure.com/courses/26981/assignments/691469>

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 **Quiz 5 Chapter 5**

<https://imperial.instructure.com/courses/26981/assignments/691464>

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 **Quiz 6 Chapter 6**

<https://imperial.instructure.com/courses/26981/assignments/691487>

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 **Quiz 7 Chapter 7**

<https://imperial.instructure.com/courses/26981/assignments/691458>

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 **Quiz 8 Chapter 8**

<https://imperial.instructure.com/courses/26981/assignments/691459>

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 **Reminder: Chapter 4 Quiz Due  
This Week**

<https://imperial.instructure.com/courses/26981/assignments/691578>

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 **Sea Level Change JPL**

<https://imperial.instructure.com/courses/26981/assignments/691579>

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 **Season's Quiz**

<https://imperial.instructure.com/courses/26981/assignments/691462>

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 **Space Weather**

<https://imperial.instructure.com/courses/26981/assignments/691499>

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 **Test 1**

<https://imperial.instructure.com/courses/26981/assignments/691582>

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 **test assign**

<https://imperial.instructure.com/courses/26981/assignments/691593>

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 **Test Chapter 1**

<https://imperial.instructure.com/courses/26981/assignments/691454>

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 **Test Chapter 13**

<https://imperial.instructure.com/courses/26981/assignments/691486>

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 **Test Chapter 14**

<https://imperial.instructure.com/courses/26981/assignments/691451>

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 **Test Chapter 15**

<https://imperial.instructure.com/courses/26981/assignments/691498>

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 **Test Chapter 2**

<https://imperial.instructure.com/courses/26981/assignments/691460>

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 **Test Chapter 3**

<https://imperial.instructure.com/courses/26981/assignments/691479>

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 **Test Chapter 4**

<https://imperial.instructure.com/courses/26981/assignments/691491>

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 **Test Chapter 5**

<https://imperial.instructure.com/courses/26981/assignments/691452>

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 **Test Chapter 6**

<https://imperial.instructure.com/courses/26981/assignments/691470>

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 **Test Chapter 7**

<https://imperial.instructure.com/courses/26981/assignments/691453>

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**Test Chapter 8**

(<https://imperial.instructure.com/courses/26981/assignments/691471>)

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**Test Chapter 8(1)**

(<https://imperial.instructure.com/courses/26981/assignments/691503>)

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**Vesuvius Quiz**

(<https://imperial.instructure.com/courses/26981/assignments/691476>)

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**VISCOSITY QUESTION**

(<https://imperial.instructure.com/courses/26981/assignments/691584>)

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**What are rx made of?**

(<https://imperial.instructure.com/courses/26981/assignments/691587>)

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**What is the class about?**

(<https://imperial.instructure.com/courses/26981/assignments/691588>)

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