

## ERTH 101L-007, online: Course Description and Syllabus

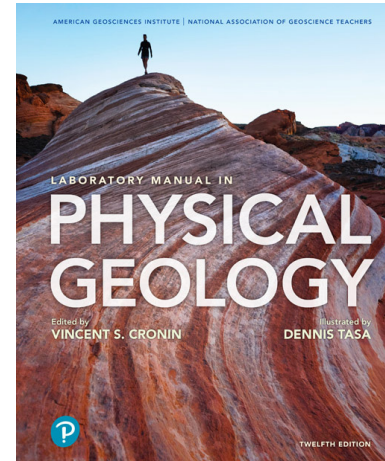
Welcome to Dynamic Earth Laboratory. In this online section of ERTH 101L-007 (CRN 85372), you will learn about the Earth and practice approaching problems the way geoscientists do.

### Essential Information

Semester: Fall 2021 Credits: 1  
 Format: asynchronous, fully online  
 Instructor: Prof. Julia Hammer (jhammer@hawaii.edu)  
 Teaching Assistant: TBD

### Requirements

- text: Laboratory Manual in Physical Geology 12<sup>th</sup> Ed. You may purchase just the e-text Laboratory Manual that comes with the Pearson *MasteringGeology* account. The hardcopy text is strongly recommended but not required.
- *MasteringGeology* account from Pearson. **Please use the same name associated with your UH account when you create your Pearson account.**
- computer with strong internet and download privileges
- means and expertise with capturing and uploading digital photos/files
- office supplies: pencil, eraser, metric ruler, scissors, drafting compass, colored pencils, etc.



Required text for this course; contains all labs.

### Organization and Grading

In response to COVID-19 precautions, there is **no required in-person activity** this semester. (Usually, we have a required field trip.) The content of the course is taught in video tutorials and assessed with two graded items that are due each week: (1) homework that you access through the textbook's *MasteringGeology* online system, and (2) Labs drawn from the Laboratory Manual in Physical Geology 12e by Cronin and Tasa, which you complete using Laulima's<sup>1</sup> *Tests&Quizzes* tool. In addition, there is a final exam for this course. Here's the breakdown of the graded items:

1. Online **homework** assignments within the *MasteringGeology* system. These assignments typically include watching videos and participating interactively. They are designed to help you complete the Laboratory Exercises, and students typically complete them in under 30 minutes. The online assignments are worth **20%** of the course grade.
2. **Reading** assignments in the *MasteringGeology* system. These readings support the Labs and they represent **5%** of the course grade.
3. The **labs** are composed of Activities selected from the required text: Laboratory Manual in Physical Geology (12<sup>th</sup> Ed; Pearson), which you can access with the Pearson account with e-text or (preferable) using the hardcopy version of the text. These assignments are worth **60%** of the course grade and are submitted using the Tests&Quizzes tools in our *Laulima* site.

<sup>1</sup> If you are new to Laulima, google the Laulima Support for Students help page. During the semester, if technology questions arise, call the Information Technology Services (ITS) at (808) 956-8853 or Toll Free (800)-558-2669.

**Important:** If you use the e-text and don't have the hardcopy, you'll need to be able to edit screen shots with drawing tools. For example, you'll need to plot points on a set of given x,y coordinates and sketch geologic contour lines on a given topographic map. Image annotation is not covered in this course.

4. The course has a final exam available online during finals week administered on the Pearson *MasteringGeology* system. The final exam accounts for **13%** of the course grade. You will have two hours to complete the closed-book, closed-notes exam.
5. A combined syllabus quiz/ ethics pledge/ questionnaire is worth **2%** of the course grade. This is also located in Tests&Quizzes on the *Laulima* site.

**Time commitment.** Expect to spend 3-3.5h per week on this course. The time commitment is similar to other UHM physical science labs.

### Grade scale.

letter	score	
A+	≥96.7%	<b>Homework.</b> Access homework assignments from within the Pearson <i>MasteringGeology</i> system. These assignments will appear on your Pearson account calendar once you create an account. Homework assignments are <b>due every Monday</b> at 11:59 pm (i.e., midnight), with exceptions shown in the table below.
A	93.3%	
A-	90.0%	
B+	86.7%	<b>Labs.</b> The Labs are in the required text, <u>Laboratory Manual in Physical Geology</u> by Cronin and Tasa (12 <sup>th</sup> Ed). Each lab is composed of <b>two</b> Activities, at the back of the chapter. Use the course Laulima site, <i>Tests&amp;Quizzes</i> tool to submit the lab assignments. Note that some of the questions posed in Laulima differ from the workbook. <b>Video tutorials</b> are provided on a <i>Google Team Drive</i> to help you complete the labs. If you have registered for the course but have not received an email inviting you to the <i>Team Drive</i> , please email Julia Hammer. Labs are <b>due every Wednesday</b> at 11:59 pm (~midnight). Note that some questions require hand-grading by the TA. You will not have instant notification of the lab scores.
B	83.3%	
B-	80.0%	
C+	76.7%	
C	73.3%	
C-	70.0%	
D+	66.7%	
D	63.3%	<b>Important:</b> You do not have to complete every activity in the chapter for each Lab. Check the tables below for the activities assigned this semester, to make sure you don't do extra work.
D-	60.0%	
F	<60.0%	

### Homework and Lab Due Dates

[watch this space for details]

### Sequence of Chapters and Activities

[watch this space for details]

### Participation

Students are expected to complete the assigned homework (through the Pearson *MasteringGeology* site), read the assigned pages in Laboratory Manual in Physical Geology, and submit the indicated Activities as weekly Labs via Laulima *Tests&Quizzes* on time. Students should ask content questions by emailing instructors during the hours and days (not minutes) before assignments are due.

## Learning Environment and Communication

**Online native.** This lab is administered in a fully distance-learning, asynchronous learning environment. We have no synchronous or in-person component, such as a weekly recitation section or zoom meeting. The video tutorials (accessed from the *Google Team Drive*) are meant to guide you through each step of the assigned lab activities, working through about half of all the questions. If you have content questions after reading the assigned text, doing the coaching-homework in the Pearson system, and watching the tutorials, please do not hesitate to contact the TA or instructor.

**Email.** Check your UH email account regularly. When sending email, **include in the subject line: EARTH101L-007.**

**Tips** • Use appropriate greetings, such as “Dear Prof. Hammer”, and sign off with your full name at the end of your email. • If you are referring to a previous email, include and quote the reference properly. • Allow time to respond. If you send an email or post a message on the weekend or on a weekday late afternoon, do not expect a response until the next business day. Avoid internet slang. Write in whole sentences with proper punctuation, grammar and spelling.

**Technology issues.** Since this is an online course it relies heavily on the internet and having a good internet connection. Occasionally there are internal problems with Lulima. Usually these problems are temporary, and your assignments will not be affected. More often than not there are external problems with your internet service, the browser, or your connection. For this reason, get started early so you can submit assignments before the deadline.

## Learning Objectives

The Department of Earth Sciences defines five student learning objectives (SLOs) for the undergraduate degree program related to the relevance of geology and geophysics.

1. Students can explain the relevance of geology and geophysics to human needs, including those appropriate to Hawaii, and be able to discuss issues related to geology and its impact on society and planet Earth.
2. Students can apply technical knowledge of relevant computer applications, laboratory methods, and field methods to solve real-world problems in geology and geophysics.
3. Students use the scientific method to define, critically analyze, and solve a problem in earth science.
4. Students can reconstruct, clearly and ethically, geological knowledge in both oral presentations and written reports.
5. Students can evaluate, interpret, and summarize the basic principles of geology and geophysics, including the fundamental tenets of the sub-disciplines, and their context in relationship to other core sciences, to explain complex phenomena in geology and geophysics.

This course will introduce and begin to develop skills in SLOs 1, 2, 3, and 5. For example, regarding SLOs 1 and 2, you will learn why volcanoes erupt; how and why the volcanoes of Hawaii differ from those on the continents; and understand the differing hazards they pose. In pursuing hypotheses (SLO 3), for example, you’ll determine the identity of an unknown mineral using a sequence of tests and apply a process of elimination, and then be asked to put the sample in geologic context. Regarding SLO 5, you will apply basic algebraic expressions relating density, volume, and mass; you’ll use chemical formulae for mineral names and apply a quantitative treatment of data wherever possible, including calculation of averages, graphing of results, and estimation of measurement errors.

## Policies

**Cheating and plagiarism.** Academic integrity is a basic principal that requires all students to take credit for the ideas and efforts that are their own. Cheating, plagiarism, and other forms of academic dishonesty are defined as the submission of materials in assignment, exams, or other academic work that is based on sources prohibited by the faculty member. This includes doing someone’s lab for them or allowing

someone to do your lab for you or copying from the instructor's manual. **Copy-pasting from a friend or allowing someone to copy-paste your work are clear violations.** And they are easy to detect. Academic dishonesty is defined further in the UHM "Student Code of Conduct." In addition to any adverse academic action, which may result from the academically dishonest behavior, the University specifically reserves the right to address and sanction the conduct involved through student judicial review procedures and the Academic Dispute Resolution Procedure specified in the University catalogue.

**Kōkua.** If you have a disability and related access needs, the Department will make every effort to assist and support you. For confidential services students are encouraged to contact the Office for Students with Disabilities (known as Kōkua) located on the ground floor (Room 013) of the Queen Lili'uokalani Center for Student Services. If you need disability-related accommodations, please notify the KOKUA Program (808) 956-7511 or email: [kokua@hawaii.edu](mailto:kokua@hawaii.edu).

### Executive Summary:

- You are required to buy the course textbook and create a Pearson *MasteringGeology* account using the code provided (see last page of the syllabus). Use the same first and last name in the UH system.
- Complete the Syllabus Quiz/ Ethics Pledge/ Questionnaire in Lulima *Tests&Quizzes* tool.
- Access lab tutorials using our *Google Team Drive*. Request access from Hammer if you join the course after the first day of the semester. Watch the tutorials associated with the Activities assigned this semester (Table above).
- Complete homework and reading assignments using the Pearson *MasteringGeology* System.
- Lab assignments are located in the Laboratory Manual in Physical Geology 12<sup>th</sup> Ed; submit your work using the Lulima *Tests&Quizzes* tool.
- Use Lulima *Gradebook* to view lab grades (available 1-2 weeks after labs are due because some questions need to be hand-graded by the TA) and *PostEm* tools to view course grade snapshots (updated periodically throughout the semester) after the fourth week.
- Remember, students are held to the usual standard of respectful and ethical behavior. You'll be asked to confirm your adherence to the UHM Student Code of Conduct each time you submit a lab.

### Title IX information

The University of Hawai'i is committed to providing a learning, working, and living environment that promotes personal integrity, civility, and mutual respect and is free of all forms of sex discrimination and gender-based violence, including sexual assault, sexual harassment, gender-based harassment, domestic violence, dating violence, and stalking.

If you or someone you know is experiencing any of these, the University has staff and resources on your campus to support and assist you. Staff can also direct you to resources that are in the community. Here are some of your options:

- As members of the University faculty, your instructors are required to immediately report any incident of potential sex discrimination or gender-based violence to the campus Title IX Coordinator. Although the Title IX Coordinator and your instructors cannot guarantee confidentiality, you will still have options about how your case will be handled. Our goal is to make sure you are aware of the range of options available to you and have access to the resources and support you need.
- If you wish to remain ANONYMOUS, speak with someone CONFIDENTIALLY, or would like to receive information and support in a CONFIDENTIAL setting, use the confidential resources available here: <http://www.manoa.hawaii.edu/titleix/resources.html#confidential>
- If you wish to directly REPORT an incident of sex discrimination or gender-based violence including sexual assault, sexual harassment, gender-based harassment, domestic violence, dating violence or stalking as well as receive information and support, contact: Dee Uwono Title IX Coordinator (808) 956-2299 [t9uhm@hawaii.edu](mailto:t9uhm@hawaii.edu).

## Student Registration Instructions

---

### To register for **Dynamic Earth Laboratory - EARTH 101L 007**:

1. Go to <https://www.pearson.com/mastering>.
2. Under Register, select **Student**.
3. Confirm you have the information needed, then select **OK! Register now**.
4. Enter your instructor's course ID: **hammer74590**, and **Continue**.
5. Enter your existing Pearson account **username** and **password** to **Sign In**.  
You have an account if you have ever used a MyLab or Mastering product.
  - » If you don't have an account, select **Create** and complete the required fields.
6. Select an access option.
  - » Enter the access code that came with your textbook or that you purchased separately from the bookstore.
  - » If available for your course,
    - Buy access using a credit card or PayPal.
    - Get temporary access.

If you're taking another semester of a course, you skip this step.
7. From the You're Done! page, select **Go To My Courses**.
8. On the My Courses page, select the course name **Dynamic Earth Laboratory - EARTH 101L 007** to start your work.

### To sign in later:

1. Go to <https://www.pearson.com/mastering>.
2. Select **Sign In**.
3. Enter your Pearson account **username** and **password**, and **Sign In**.
4. Select the course name **Dynamic Earth Laboratory - EARTH 101L 007** to start your work.

### To upgrade temporary access to full access:

1. Go to <https://www.pearson.com/mastering>.
2. Select **Sign In**.
3. Enter your Pearson account **username** and **password**, and **Sign In**.
4. Select **Upgrade access** for **Dynamic Earth Laboratory - EARTH 101L 007**.
5. Enter an access code or buy access with a credit card or PayPal.