



Syllabus for Physical Geology

Course Information

Semester & Year: Fall 2023

Course ID & Section #: GEOL-1-E5488

Instructor's name: Emily Wright

Day/Time of lab meetings: Tuesday 11:30AM - 02:40PM

Location: Humanities Bldg, Room HU125

Course units: 4

Instructor Contact Information

Office location: HU 125A

Office hours: by appointment at WhenIsGood.net/WrightOfficeHour

Email address: emily-wright@redwoods.edu

Preferred contact method: Pronto or Canvas message

Catalog Description

An introductory study of physical geology with an emphasis on geologic principles and processes. The course explores the internal structure, processes, and origin of the Earth, and the processes of water, wind, gravity, and plate tectonics that contribute to the formation of the Earth's surface. The laboratory component focuses on the identification of rocks and minerals, the reading and interpretation of topographic and geologic maps, and field studies. Students will explore principles of mineral and rock formation, landform development, plate tectonics, volcanism, folding and faulting, and related topics. Note: Field Trips are required for this course. The college does not provide transportation.

Course Student Learning Outcomes *(from course outline of record)*

1. Describe how the scientific method is used to understand natural phenomena.
2. Describe the basic elements of plate tectonic theory, including how internal processes help shape the Earth.
3. Apply classification systems to organize and identify igneous, sedimentary, and metamorphic rock specimens and mineral specimens, and demonstrate how these classification systems are used to understand Earth processes.
4. Apply geologic principles to describe how earth materials and landscapes change over time, including description of how interaction of Earth systems result in geologic change.

Educational Accessibility and Support

College of the Redwoods is committed to providing reasonable accommodations for qualified students who could benefit from additional educational support and services. You may qualify if you have a physical, mental, sensory, or intellectual condition which causes you to struggle academically, including but not limited to:

- Mental health conditions such as depression, anxiety, PTSD, bipolar disorder, and ADHD
- Common ailments such as arthritis, asthma, diabetes, autoimmune disorders, and diseases
- Temporary impairments such as a broken bone, recovery from significant surgery, or a pregnancy-related disability

- A learning disability (e.g., dyslexia, reading comprehension), intellectual disability, autism, or acquired brain injury
- Vision, hearing, or mobility challenges

Available services include extended test time, quiet testing environments, tutoring, counseling and advising, alternate formats of materials (e.g., audio books, E-texts), assistive technology, on-campus transportation, and more. If you believe you might benefit from disability- or health-related services and accommodations, please contact [Disability Services and Programs for Students \(DSPS\)](#). If you are unsure whether you qualify, please contact DSPS for a consultation: dsps@redwoods.edu.

- Eureka: 707-476-4280, Student Services Building, 1st floor
- Del Norte: 707-465-2324, Main Building, near the library
- Klamath-Trinity: 707-476-4280

Student Support

Good information and clear communication about your needs will help you be successful. Please let your instructor know about any specific challenges or technology limitations that might affect your participation in class. College of the Redwoods wants every student to be successful.

Hybrid Class Format

This class is considered “hybrid” because although there are required in-person meetings, the vast majority of the time and effort that you’ll put into this class will be outside of class time, on your own schedule. In theory, class time will represent about one quarter of the total time and effort required to be successful in this class, although this is highly variable from student to student. I encourage you to think of this as essentially an online class, with some added benefits that come with a regular weekly meeting.

Online Homework

As stated above, most of the learning in this class will happen outside of class time. The course Canvas website will guide you through that learning. Homework modules include a variety of assignment types and you will have some choice over which assignment types you complete (see “Grade Requirement 1: XP (Experience Points)” below for more information). There will be two due dates for homework assignments each week, with half of the assignments due on Monday and half on Thursday (both at 11:59pm). There will also be pre-work in the lab modules that will be due on Monday at 11:59.

In-Class Lab Time

During class, you will have an opportunity to work collaboratively with your classmates, ask questions in an informal setting, and use lab materials and specimens. If you cannot attend class, there will usually be an online alternative. However, pictures and videos are never as good as real rock specimens and there is no real substitute for genuine in-person communication. You will get the most out of this class if you attend every week! Work completed in class will be submitted to Canvas. If you’ve completed work on paper, you can upload a picture of your completed lab assignment. The due date to upload work completed in class is 11:59pm on Tuesday (after class), but it is best to do it before you leave class.

Field Trips

This class includes several field trips throughout the semester. The college does not provide transportation to and from field trips. You are responsible for arranging your own transportation. Field trips typically take place during scheduled lab time. This includes time for transportation, meaning that

if you have classes scheduled immediately before and after this one, you will have time to leave campus, drive at a safe speed to the field location, and return to campus without missing your other classes.

If you are concerned that transportation for field trips is going to be an issue for you, please be aware that, although the college can't require students to carpool, in my experience, many students are happy to offer rides to other students. There will also always be an online virtual field trip option for anyone who can't make a field trip.

Evaluation & Grading Policy

This course uses a very non-traditional and “gamified” style of grading that is **NOT a percentage-based grade**. Letter grades are earned by meeting minimum requirements in four separate categories. To earn a grade, you must meet the requirements for that grade in **all** categories. Categories are **not** averaged.

Grade Requirement Categories

- Grade Requirement 1: XP (Experience Points)
- Grade Requirement 2: Exams
- Grade Requirement 3: Lab Summary Quizzes

Grade Requirement 3: Lab Summary Quizzes

At the end of each lab, there will be a Lab Summary Quiz. Some Lab Summary Quizzes will be “take-home” Canvas quizzes and others will be taken in-class (either in Canvas on tablets/laptops or on paper). In-class lab summary quizzes require in-class materials (such as rock and mineral samples).

There are no levels to lab summary quizzes. Instead, your grade in this category is based on your average score on all lab summary quizzes, expressed as a percentage. You have three attempts on each quiz and the score from your highest scoring attempt is the one that will contribute to your average in the category. Although this category is somewhat more traditionally graded than other categories, the correlation between letter grade and percentage is non-traditional (see the Final Grade Rubric).

Academic Honesty on Lab Summary Quizzes

Take-home lab summary quizzes follow the same policies as Exams in terms of what is allowed and not allowed. Some in-class quizzes may be restricted to paper notes during the quiz.

Late Lab Summary Quizzes

Lab summary quizzes remain open until the end of the semester. The 1% per day point reduction will be automatically applied by Canvas, but if you message me requesting an extension, I will remove the penalty with no questions asked (i.e. you do not have to tell me why you need an extension).

For quizzes that require in-class materials, there will be some scheduled class time for additional and/or late attempts. However, in some cases, you may need to arrange time outside of class (e.g. coming in early or staying after class).

- Grade Requirement 4: Writing Portfolio

Challenge Levels

Exams and writing portfolio assignments are divided into three levels. Diamond level represents the most challenging assessments, followed by sapphire and topaz levels (level names are based on the Mohs scale of mineral hardness). Rather than receive a letter or percentage grade on these assignments, you will simply be evaluated on a pass or not-passing-yet basis. To attempt harder levels,

you must first pass the “softer” levels. Your final grade is based on the highest level achieved in these categories.

Grade Requirement 1: XP (Experience Points)

XP (Experience Points) are similar to points in a traditional point and percentage grading system. You will earn XP for completing tasks that represent doing the work of learning, such as turning in assignments or earning scores on quizzes and exams. Unlike in the points and percentage grading system, these points alone do not determine your grade. Instead, **everyone must earn at least 800 XP to pass the class**. The 800-XP threshold is **less than one third of the XP available**, therefore you have significant choice in which assignments you complete in this class. For example, if you hate threaded discussion forums, you can skip those and earn your XP through other means. If you are doing enough work to prepare for success in other categories, you will likely naturally exceed the 800-XP threshold. In a similarly structured Oceanography class, many students exceeded the threshold by about Week 7 or 8 and students who earned As in the class finished with somewhere between 2 and 3 times the required XP. Based on statistics from that class, I recommend setting a personal goal for yourself of at least 1000 to 1200 XP.







XP late policy

To keep you motivated to complete your work on time, you will only earn the full XP available for a task, if the task is completed on time. XP earned decay at a rate of 1% per day after the due date for the task. If you have extenuating circumstances arise, and you’ve found that this policy is interfering with your success in this class, please contact me. I am very willing to work with students to establish a new plan to get you back on track. In most cases, it is easiest for me to simply remove the late penalty after you have submitted the work.

Exceptions to this policy are lab pre-work notes, and lab pre-quizzes. These two assignment types close on Monday nights (before lab on Tuesday). If you do not complete these assignments on time, you will not earn any XP for these assignments.

Grade Requirement 2: Exams

There are four exams throughout the semester. Each exam has three levels, and each level is composed of a separate Canvas “quiz”. To pass each level, you must answer 10 questions correctly. There are 11 questions on each quiz, thus, you get one throw-away question at each level. The topaz level quiz consists mainly of questions that most students answer correctly, whereas the diamond level contains all the most challenging questions. All questions are multiple choice or other auto-graded format (such as drop down, multiple answer, etc.). The number of attempts allowed to pass each level varies for each level according to the table below. However, if you contact me to ask for an additional attempt at the sapphire or diamond level, I will offer you a deal. Usually, this deal involves completing some sort of exam correction assignment to unlock an additional attempt.

Exam Level	Crowns Earned for passing score (10/11 questions)	Number of attempts allowed	XP earned
Topaz	 (1 crown)	Unlimited	1 XP per question
Sapphire	  (2 crowns)	5 (+1 extra with deal)	2 XP per question
Diamond	   (3 crowns)	3 (+1 extra with deal)	5 XP per question

Crowns

In addition to earning XP for exams, you’ll also earn crowns. You earn one crown for each level successfully completed on each exam. For example, if you complete all three levels, you’ll earn three crowns for that exam. Three levels on four exams is equal to 12 possible crowns for the semester. To

earn an A, you need at least 10 crowns (you must achieve the diamond level on two of the exams and at least the sapphire level on the other two). Less than 10 crowns will earn you other grades according to the Final Grade Rubric. For example, 4 crowns are required for a C. This could be achieved in multiple ways, including completing the topaz level on all four exams. Canvas does not have a way of automatically awarding crowns, so I will manually enter your crowns in the gradebook. This means that it may take time for your crown score to update. If you think I've missed something (if it's been more than a couple of days), please let me know!

Academic Honesty on Exams

Exams are open note, open book, but closed discussion and closed to help from Artificial Intelligence (AI). Discussing answers with your classmates, family, roommates, etc. while the exam is open is considered academic dishonesty (cheating), as is sharing exam results (correct answers) with classmates who have not yet taken the exam (this includes posting questions on "homework help" websites or similar internet forums, etc.). Looking up definitions of words is acceptable but asking a computer or program to answer a question for you is considered academic dishonesty.

Late Exams

Exams remain open throughout the entire semester, and you may use any unused attempts at any point in the semester. For example, if at the end of the semester, you have 9 crowns, but you still have one attempt left on Exam 1 Diamond level, you can retake that exam, even on the very last day of the semester. The XP earned on late exams decays, but **crowns are unaffected by late policies**.

Grade Requirement 3: Lab Summary Quizzes

At the end of each lab, there will be a Lab Summary Quiz. Some Lab Summary Quizzes will be "take-home" Canvas quizzes and others will be taken in-class (either in Canvas on tablets/laptops or on paper). In-class lab summary quizzes require in-class materials (such as rock and mineral samples).

There are no levels to lab summary quizzes. Instead, your grade in this category is based on your average score on all lab summary quizzes, expressed as a percentage. You have three attempts on each quiz and the score from your highest scoring attempt is the one that will contribute to your average in the category. Although this category is somewhat more traditionally graded than other categories, the correlation between letter grade and percentage is non-traditional (see the Final Grade Rubric).

Academic Honesty on Lab Summary Quizzes

Take-home lab summary quizzes follow the same policies as Exams in terms of what is allowed and not allowed. Some in-class quizzes may be restricted to paper notes during the quiz.

Late Lab Summary Quizzes

Lab summary quizzes remain open until the end of the semester. The 1% per day point reduction will be automatically applied by Canvas, but if you message me requesting an extension, I will remove the penalty with no questions asked (i.e. you do not have to tell me why you need an extension).

For quizzes that require in-class materials, there will be some scheduled class time for additional and/or late attempts. However, in some cases, you may need to arrange time outside of class (e.g. coming in early or staying after class).

Grade Requirement 4: Writing Portfolio

Writing portfolio assignments are divided into three levels. You must meet passing expectations for each level before you can access the next portfolio assignment. If you do not meet expectations, you'll have opportunities to revise your submission and/or re-attempt the assignment until you do meet

expectations. Your final grade in this category is based on the highest level passed by the end of the semester (see the Final Grade Rubric).

To pass the topaz level (Level 1), you must meet expectations on one submission to the weekly Scientist Spotlight discussions, which will be part of the regular structure of modules. Once you've passed the topaz level, these weekly posts become optional, but you will still earn XP for completing them. The sapphire and diamond levels each require a unique essay assignment that is not part of the regular weekly structure.

First Draft Deadline

For any assignment to be considered for your writing portfolio, you must submit a first full draft of that assignment no later than **Monday Dec 4**. This deadline exists to ensure that there is adequate time for instructor feedback. Keep in mind that some writing portfolio first draft assignments will be locked until you have received a passing score on prior work (e.g., a bibliography check, partial drafts, etc.). **Students who have not submitted any draft at any level by this deadline can do no better than a D in the class.**

Academic Honesty on Writing Portfolio Assignments

You may discuss your work with your peers, and you may get editing help with your writing. However, submitting writing that was copied from another person, or writing that was completed by another person (or artificial intelligence) on your behalf and claiming this work as your own is considered academic dishonesty. For assignments where you are referencing the work of others (such as the science blog), you must give appropriate credit to the original author. Some writing assignments will contain specific instructions about which resources may be used. Intentional violation of these instructions is considered academic dishonesty.

Final Grade Rubric

Grade	Grade Requirement 2: Exams	Grade Requirement 3: Lab Summary Quizzes Average score	Grade Requirement 3: Lab Summary Quizzes At the end of each lab, there will be a Lab Summary Quiz. Some Lab Summary Quizzes will be “take-home” Canvas quizzes and others will be taken in-class (either in Canvas on tablets/laptops or on paper). In-class lab summary quizzes require in-class materials (such as rock and mineral samples). There are no levels to lab summary quizzes. Instead, your grade in this category is based on your average score on all lab summary quizzes, expressed as a percentage. You have three attempts on each quiz and the score from your highest scoring attempt is the one that will contribute to your average in the category. Although this category is somewhat more traditionally graded than other categories, the correlation between letter grade and percentage is non-traditional (see the Final Grade Rubric). Academic Honesty on Lab Summary Quizzes Take-home lab summary quizzes follow the same policies as Exams in terms of what is allowed and not allowed. Some in-class quizzes may be restricted to paper notes during the quiz. Late Lab Summary Quizzes Lab summary quizzes remain open until the end of the semester. The 1% per day point reduction will be automatically applied by Canvas, but if you message me requesting an extension, I will remove the penalty with no questions asked (i.e. you do not have to tell me why you need an extension).	Grade Requirement 1: XP (Experience Points)
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			For quizzes that require in-class materials, there will be some scheduled class time for additional and/or late attempts. However, in some cases, you may need to arrange time outside of class (e.g. coming in early or staying after class). Grade Requirement 4: Writing Portfolio	
A	10 total crowns	85%	Diamond level essay passed	At least 800
A-	9 total crowns	80%	Diamond level essay passed	At least 800
B+	8 total crowns	75%	Sapphire level essay passed	At least 800
B	7 total crowns	70%	Sapphire level essay passed	At least 800
B-	6 total crowns	65%	Sapphire level essay passed	At least 800
C+	5 total crowns	60%	Topaz level discussion passed	At least 800
C	4 total crowns	50%	Topaz level discussion passed	At least 800
D	3 total crowns	40%	Topaz level discussion attempted	At least 800
F	Less than 3 crowns	Less than 40%	No writing portfolio assignments attempted	Less than 800 points

Examples:

- A student who has earned 1600 XP, 12 total crowns, 90% on lab summary quizzes, passed the sapphire level essay, but did not meet expectations on their diamond level essay would earn a final grade of B+ in the class.
- A student who has earned 10 crowns, 85% on lab summary quizzes and passed the diamond level essay, but has skipped several discussions, notes assignments, homework quizzes, etc. and only earned 800 XP, would none-the-less still receive an A, despite earning half of the “points” that the B+ student above earned.
- A student who has earned more than enough XP as well as 7 total crowns, 75% on lab summary quizzes, and passed the sapphire level essay would earn a final grade of B. If this student wanted to improve their grade, they could focus on studying for and reattempting exams (assuming they have attempts remaining), since one more crown could potentially get them to a B+. Putting effort into their diamond level essay, without reattempting any exams, would not be helpful to their final grade.

Course Pacing and Late Work Policies

Schedule of due dates

Due dates in this class are every Monday, Tuesday and Thursday, apart from the final due date (last day of the semester), which is a Friday. Units, will typically span two or three due dates. Due dates are generally recommendations rather than hard deadlines (see Late Exams), although XP earned decay with time after the due date (see Grade Requirement 1: XP (Experience Points)). Hard deadlines include the First Draft Deadline, weekly Pre-lab deadlines (for pre-lab quizzes and lab pre-work notes), and the end of the semester (see Important Dates).

Module Progression

To unlock the majority of the course, you must first complete the “Start Here” module. You also must move through Module A activities in a specific order, so that you become familiar with all assignment

types. After Module A, you only need to complete the Unit Pre-Quiz to unlock each unit, then you may choose which activities to complete from each unit.

Turnitin

The Turnitin plagiarism check will be applied to essay submissions for the purpose of assisting your instructor in identifying plagiarism.

Class Participation and Attendance Policy

Your participation will be tracked through the completion of assignments such as lessons and discussions. School policy allows me to initiate a withdrawal for a student who has “excessive absences” prior to the *Last day for faculty-initiated W* deadline (see Important Dates). For this hybrid course “excessive absences” will be defined as missing one week or more of assignment deadlines and in-person meetings with no communication with the instructor. I will typically reach out to you prior to dropping you from the course. It is your responsibility to participate in this course on a regular basis. If you intend to withdraw from the class, it is also your responsibility to do so through Web Advisor before the deadline. Do not assume that I will initiate the drop.

Contacting Your Instructor

The best way to reach me is through Pronto or Canvas messages. Sometimes I may be away from my computer or involved in other things and might not answer your message right away. Barring exceptional circumstances, such as illness or power outage, I will respond to messages in Pronto, Canvas, or email within at most 24 hours Monday through Friday. If I am available weekends, I will respond to urgent messages, but I cannot guarantee that I will be in internet communication every weekend. If you have not heard back from me within a reasonable time frame, it is possible that I have lost your message, so please resend.

If you want to meet with me over video (or voice), we can also set up a Zoom meeting time. You can request an appointment using whenisgood.net/WrightOfficeHour and I will send you an invitation for a time that works for both of us. This is a request form, not an appointment reservation form, so the more availability you enter, the more likely it'll be that I can find a time that works for us both.

I also can potentially meet with you in-person on the Eureka campus on Tuesdays (before and after lab) and on Thursdays (before and after my Oceanography lab). If you wish to guarantee my availability, please message me to set up an appointment.

Important Dates

Spring 2023 Dates

- Classes begin: 8/19/23
- Participate to avoid no-show drop by 8/31/23 (policy for this class only)
- Last day to drop without a W and receive a refund: 9/01/23
- Last day for student or faculty-initiated W (no refund): 10/27/23
- Fall break and Thanksgiving (no assignments due): 11/20/23 – 11/25/23
- First Draft Deadline 12/4/23 (policy for this class only)
- Final examinations: 12/09/23 – 12/15/23
- Semester ends (no assignments accepted after 11:59 pm): 12/15/23

For other important dates, see the [Admissions and Records Calendar](#)

Academic dishonesty

In the academic community, the high value placed on truth implies a corresponding intolerance of scholastic dishonesty. In cases involving academic dishonesty, determination of the grade and of the student's status in the course is left primarily to the discretion of the faculty member. In such cases, where the instructor determines that a student has demonstrated academic dishonesty, the student may receive a failing grade for the assignment and/or exam and may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct ([AP 5500](#)) is available on the College of the Redwoods website. Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the [College Catalog](#) and on the [College of the Redwoods website](#). Specific policies for Academic Honesty on Exams, Lab Summary Quizzes and Academic Honesty on Writing Portfolio Assignments are defined earlier in this syllabus.

Respectful Engagement in this Course

College of the Redwoods aspires to create a learning environment in which all people feel comfortable in contributing their perspectives to classroom discussions. There may be times in this class where you may wish to express disagreement with another student's opinion. You might also be asked to provide constructive criticism or correct another student's misconception. A learning environment is one in which everyone feels comfortable expressing criticism or disagreement. To achieve this, we must each strive to criticize without insulting, and equally, to receive criticism without becoming insulted. It is important to engage in discussion in a manner that is respectful and inclusive. We all are responsible for ensuring that disagreement remains respectful by not letting challenges to ideas become attacks on personal identity.

In such (rare) cases where the instructor determines that a student's discourse in online discussions, chats or live sessions has disrupted the educational process or violates the student code of conduct in any way, the instructor will remove the offending post(s). In addition, the student may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct ([AP 5500](#)) is available on the College of the Redwoods website. Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the [College Catalog](#) and on the [College of the Redwoods website](#).

Setting Your Preferred Name and Pronouns in Canvas

Students have the ability to have an alternate first name and pronouns to appear in Canvas. Contact [Admissions & Records](#) to request a change to your preferred first name and pronoun. Your Preferred Name will only be listed in Canvas. This does not change your legal name in our records. See the [Student Information Update form](#).

You can set your pronouns in Canvas in your account settings. If you haven't already, please do, it's very helpful for online classes!

Canvas Information

"Canvas" by Instructure is our online classroom. It is the main homepage where you will access all course materials.

Log into Canvas at <https://redwoods.instructure.com>

For tech help, email its@redwoods.edu or call 707-476-4160

Canvas Help for students: <https://webapps.redwoods.edu/tutorial/>

Canvas online orientation workshop: [Canvas Student Orientation Course \(instructure.com\)](https://instructure.com)

Community College Student Health and Wellness

Resources, tools, and trainings regarding health, mental health, wellness, basic needs and more designed for California community college students, faculty and staff are available on the California Community Colleges [Health & Wellness website](#).

[Wellness Central](#) is a free online health and wellness resource that is available 24/7 in your space at your pace.

Students seeking to request a counseling appointment for academic advising or general counseling can email counseling@redwoods.edu.

Student Support Services

The following online resources are available to support your success as a student:

- [CR-Online](#) (Comprehensive information for online students)
- [Library Articles & Databases](#)
- [Canvas help and tutorials](#)
- [Online Student Handbook](#)

[Counseling](#) offers assistance to students in need of professional counseling services such as crisis counseling.

Learning Resource Center includes the following resources for students

- [Academic Support Center](#) for instructional support, tutoring, learning resources, and proctored exams. Includes the Math Lab & Drop-in Writing Center
- [Library Services](#) to promote information literacy and provide organized information resources.
- [Multicultural & Diversity Center](#)

Special programs are also available for eligible students include

- [Extended Opportunity Programs & Services \(EOPS\)](#) provides services to eligible income disadvantaged students including: textbook award, career academic and personal counseling, school supplies, transportation assistance, tutoring, laptop, calculator and textbook loans, priority registration, graduation cap and gown, workshops, and more!
- The TRiO Student Success Program provides eligible students with a variety of services including trips to 4-year universities, career assessments, and peer mentoring. Students can apply for the program in [Eureka](#) or in [Del Norte](#)
- The [Veteran's Resource Center](#) supports and facilitates academic success for Active Duty Military, Veterans and Dependents attending CR through relational advising, mentorship, transitional assistance, and coordination of military and Veteran-specific resources.
- Klamath-Trinity students can contact the CR KT Office for specific information about student support services at 530-625-4821

Tentative Schedule

Week starting on	Units and Exams	Writing Portfolio Progress	Labs/Field Trips
Aug 21	Start Here Module Module A: Introduction to Geology	First opportunity to submit Scientist Spotlight (topaz level)	Intro to Geology
Aug 28	Module B: Tectonics		Field Trip: Table Bluff Tectonics
Sep 5 (Monday is Labor day)	Exam 1 Module C: Minerals		Minerals
Sep 11	Module D: Igneous Rocks and Volcanoes	A track students expected to have passed topaz level at this point.	Minerals quiz, Igneous Rocks
Sep 25	Module E: Weathering and Sedimentary Rocks	A track students begin progress on Sapphire Level essay. B and C track students re-attempt/revise Scientist Spotlight.	Sediment field trip
Oct 2	Exam 2 Module F: Metamorphic Rocks		Minerals, igneous quiz Analyzing Sediment
Oct 9	Module G: Geologic Time		Igneous quiz, Sedimentary Rocks
Oct 16	Module H: California Geology		Sedimentary Quiz, Metamorphic rocks

Week starting on	Units and Exams	Writing Portfolio Progress	Labs/Field Trips
Oct 23	Module I: Geologic Structures		Field Trip: Moonstone Beach
Oct 30	Exam 3	A track students expected to meet passing expectations for sapphire level. B track students expected to have passed topaz level at this point.	Metamorphic Quiz, Geologic Maps
Nov 6	Module J: Earthquakes	A track students begin progress on Diamond Level essay. B track non-lab students begin or re-attempt Sapphire Level essay. C track students re-attempt/revise Scientist Spotlights.	Outdoor Campus Lab: Little Salmon Fault
Nov 13	Module K: Landslides		Landslides and topo maps
Fall Break and Thanksgiving			
Nov 27	Module L: Water		Elk River Lab
Dec 4	Module M: Surface Processes and Climate Change	First Draft Deadline Dec 4	If time: Field trip to observe landscapes TBD.
Finals Dec 11	Exam 4 (Final Exam)	All essays complete	Catch up session TBD

This schedule is tentative and subject to change. Please see the most current schedule in the “Modules” tab in Canvas.

“A track” refers to students aiming for a final grade of A or A-. “B track” refers to students aiming for a final grade of B-, B, or B+. “C track” refers to students aiming for a final grade of C or C+. See Final Grade Rubric.