

GEOLOGY 202

ATTEND ANYWHERE

Dynamic Earth: Surface

CRN 11320 (3 credits), Fall 2022



Location: Portland State University

Lecture: CH 269 12:00-1:50 MW

Remote access at canvas.pdx.edu

Instructor:

Dr. Alex Ruzicka

CH 46, 503-725-3372

email: ruzickaa@pdx.edu

Office hours: By Arrangement

Class website: <http://web.pdx.edu/~ruzickaa/G202> This website will include a copy of the syllabus and details about the Geoscavenge Extra Credit option and, if needed, announcements. Other class materials, including the syllabus, regular announcements, quizzes and tests, Powerpoint handouts, live video of lectures, and recorded lectures will be accessible through the Canvas learning management system (canvas.pdx.edu) following PSU login.

Course Description: Introduces physical geology which deals with surface processes (weathering, mass wasting, streams, groundwater, glaciers, wind, and coastal processes). There is no prerequisite for this course, although there is a required laboratory section (G205, 1 credit; or G207, 2 credits). G207 together with G202 can also be used for Sophomore Inquiry credits. **This course will be offered in “Attend Anywhere” format, both with in person lectures and remotely via the Canvas learning platform (see built-in Zoom meetings), which can be accessed by using a PSU login at the Canvas web address given above.** Although lectures will be recorded, the course is designed with the expectation that students should attend lectures (either remotely or in-person) when they are scheduled. No guarantees can be made about the availability or quality of any recordings. Students attending lectures will have the opportunity to ask questions.

Text: In this Attend Anywhere version of the course, a Textbook is recommended to supplement the lectures. The designated text for this course is *Essentials of Geology*, by Marshak, Sixth Edition (any recent edition will be largely equivalent).

Exams: There will be different online exams, all multiple choice. They include a Syllabus Quiz in the first week, Weekly Quizzes, as well as a Comprehensive Final during Finals Week. Quizzes will be timed (mainly 30 minute time limits) and can be taken twice, with the best score used for grades. Given that two tries for each quiz are allowed, a potential strategy would be to review Powerpoint handouts, notes, and recorded lectures (if available) for any missed question after the first try. Each quiz will be made available for one week + 1 day (Sun 12:01 AM to Monday 11:59 PM 8 days later), and can be taken at any time during this period, but **quizzes cannot be re-opened for individuals after the deadline has passed.** In addition, a Comprehensive Final Exam (2 hrs) will be held during Finals Week (Wednesday 12:01 PM-Thursdays 11:59 PM). This Final will consist of selected questions from the weekly quizzes. Students should make sure that they have a good computer connection and a relatively distraction-free environment before taking the online exams.

Extra Credit (optional): You can earn additional points in an extra credit assignment. Different project types and amounts of extra credit are offered. Extra credit projects include:

(1) Attend a day field trip to Mount St. Helens north (G200 sec 001, CRN 11313, field trip date 10/8 Sat 7:30-18:00, required pre-trip meeting 10/7 Fri 14-15:05 CH53, instructor Alex Ruzicka), and write a 2-page, typed summary of what you thought about the trip; include on separate pages digital images or sketches you obtained from the trip [up to 1% extra for your total score for the class];

(2) Attend a day field trip to Mt. St. Helens south (G200 sec 002, CRN 11314, field trip date 10/1 Sat 7:30-18:00, required pre-trip meeting 9/30 Fri 14-15:05 CH53, instructor Adam Booth), and write a 2-page, typed summary of what you thought about the trip; include on separate pages digital images or sketches you obtained from the trip [up to 1% extra for your total score for the class];

(3) Attend a day field trip to the Columbia Gorge (G200 sec 006, CRN 11315, field trip date 10/29 Sat, 7:30-18:00, required pre-trip meeting 10/28 Fri 14-15:05 CH53, Instructor Alex Ruzicka), and write a 2-page, typed summary of what you thought about the trip; include on separate pages digital images or sketches you obtained from the trip [up to 1% extra for your total score for the class];

(4) Attend a day field trip to the coast (G200 sec 007, CRN 11316, field trip date 10/15 Sat 7:30-18:00, required pre-trip meeting 10/14 Fri 14-15:05 CH53, instructor Frank Granshaw), and write a 2-page, typed summary of what you thought about the trip; include on separate pages digital images or sketches you obtained from the trip [up to 1% extra for your total score for the class];

(5) Participate in a "Geoscavenge hunt" by traveling and obtaining good pictures of various geological features discussed in this class [up to 2% extra for your total score for the class; see the class website for more details].

Multiple extra credit can be obtained with a 4% maximum for extra credit. Extra credit will be graded on a subjective basis and is **due no later than the beginning of class on November 30. Extra credit turned in after this time will not be accepted.**

Grades: Grading is done on a straight scale although curves will be used at my discretion. Grades will be assigned based on scores as follows: 95% or above = A, 90-94.99% = A-, 87-89.99% = B+, 83-86.99% = B, 80-82.99% = B-, 77-79.99% = C+, 73-76.99% = C, 70-72.99% = C-, 67-69.99% = D+, 63-66.99% = D, 60-62.99% = D-, less than 60% = F. Grades will be determined from performances on Weekly Quizzes (60%), the Syllabus Quiz (2%), the Comprehensive Final (38%), and Extra Credit (up to an additional 1-4%, depending on project(s) chosen).

Communication: Canvas should be the primary means of sending emails to the instructor. Please use the built-in Canvas email to contact the instructor regarding personal issues that should be kept private. A Discussion Board in Canvas will be available for topics of general interest to the class. This can include any topic of shared interest, such as questions about the content, Canvas, tests or test questions, student study groups, etc. The instructor will monitor the Discussion Board and will get back to you when possible. As with all online communication, it is especially important to keep messages respectful.

Other policies: (a) If you feel you have a disability and need an accommodation, contact the Disability Resource Center (drc@pdx.edu, 503-725-4150). DRC students potentially can obtain extended time on exams in Canvas. (b) Each student is responsible for all lecture content, whether they participate in the class or not. (c) A culture of professionalism and mutual respect is expected. Any incident of discrimination or discriminatory harassment, including sexual harassment, can be reported to the Office of Equity and Compliance, or the Office of the Dean of Student Life. For resources, see <http://www.pdx.edu/sexual-assault/get-help> (d) Students are expected to follow PSU policies for academic integrity, which means not engaging in academic misconduct; see <https://www.pdx.edu/dos/academic-misconduct>. Examples of misconduct include cheating on an exam, copying someone else's work, submitting for credit work done by someone else, or knowingly and intentionally assisting another student in any of the above. (e) Students will

complete a Syllabus Quiz in the first week, which covers the content of this syllabus. The completion of this quiz by the student will serve as an acknowledgment that the student has read and understands the contents of the syllabus. Students who do not complete the Syllabus Quiz may be withdrawn.

COURSE OUTLINE & CHAPTERS COVERED IN BOOK:

COURSE OUTLINE

Week	Topics	Lecture Dates	Activities
1	Syllabus; Introduction and Sedimentary Rocks	Sep 26 & 28	Attend Week 1 lectures, study notes, and take the syllabus quiz and Week 1 quiz.
2	Geologic time	Oct 3 & 5	Attend Week 2 lectures, study notes, take the quiz.
3	Mass wasting	Oct 10 & 12	Attend Week 3 lectures, study notes, take the quiz.
4	Streams	Oct 17 & 19	Attend Week 4 lectures, study notes, take the quiz.
5	Shorelines	Oct 24 & 26	Attend Week 5 lectures, study notes, take the quiz.
6	Groundwater	Oct 31 & Nov 2	Attend Week 6 lectures, study notes, take the quiz.
7	Deserts	Nov 7 & 9	Attend Week 7 lectures, study notes, take the quiz.
8	Glaciers	Nov 14 & 16	Attend Week 8 lectures, study notes, take the quiz.
9	Plate tectonics	Nov 21 & 23	Attend Week 9 lectures, study notes, take the quiz.
10	Geology of the ocean floor; Mountains & continents	Nov 28 & 30	Attend Week 10 lectures, study notes, take the quiz. Turn in Extra credit Nov. 30.
Finals		Dec 7-8 (Canvas Final)	Study, take the Final Exam, and then a well-earned Christmas Break!