

GEOLOGY 201
Physical Geology (4 credits)
Spring 2010

Location: Portland Community College, Sylvania
P.O. Box 19000, Portland, OR 97280-0990
Lecture (CRN 22950): ST 317 2:00-4:50 pm M
Lab (CRN 23807): ST 317 2:00-4:50 pm T
Lab (CRN 22951): ST 317 2:00-4:50 pm W

Instructor: Dr. Melinda Hutson
Sylvania ST 312
(503) 977-4146
e-mail: mhutson@pcc.edu
Office Hours: 10:00-10:50 am MTW
Please call for an appointment if you need to see me at
a time other than my office hours.

Web site: <http://spot.pcc.edu/~mhutson/>

Course Description: Introduces physical geology which deals with minerals, rocks, internal structure of the earth and plate tectonics. Prerequisite: WR115, RD115 and MTH20 or equivalent placement test scores. A complete description of this course and the expected outcomes for this course can be found on the course content outcome guide at: www.pcc.edu/ccog (click on Geology, then on the course title for G201 Physical Geology).

Text: Lecture: *Geology: An Introduction to Physical Geology*, by Chernicoff and Whitney, a custom edition for PCC with additional content, Pearson Publishing Co. Lab: *Laboratory Manual in Physical Geology, 8th edition*, by Richard M. Busch and Dennis Tasa, Pearson/Prentice-Hall.

E-mail Policy: Because I get a huge volume of unwanted e-mails, I delete many without looking at them. If you want to reach me by e-mail, please indicate G201 in the subject line of your message. Also, I do NOT open attachments. If you are sending me something, include it in the body of the text (you can cut and paste).

Exams: There will be two exams during the term. In addition, there is a comprehensive final on Wednesday June 9, from 2:00-4:00 pm. The lowest of the three exam scores is dropped. Consequently....

No make-up exams will be given for any reason. The final exam is your make-up exam.

Laboratory Exercises: A laboratory exercise will be done during lab time each week during the term. Students work in groups in lab, therefore, if you are more than 15 minutes late to lab, you will find the door locked and you will not be allowed to attend lab. You are expected and required to attend the full three hours of lab and participate with your group to work through the assigned problems. Half of your lab score will be on participation in your group. The other half is on the write-up that you turn in. Your lab write-up will consist of answers to questions and accompanying figures and maps that you will mark up. All answers to questions must be typed in a legible font. **No handwritten answers will be accepted.** Lab write-ups are due at the start of lab on the following week. The last write-up will be due the day of the final. **No late labs will be accepted** (no labs accepted after the start of lab one week after you work with your group on that lab exercise). You may turn in lab write-ups early either by leaving them in my mailbox in ST 312 or sending them to me via email. I will drop your lowest combined lab score (participation plus write-up). Consequently, there are no make-ups given for missed lab work. You will need a calculator and ruler for lab.

Project: Students will be working in teams to present a lecture on a topic relevant to the course. Details about what is expected, and an example of the grading criteria will be posted by the start of the second week of class on the class web site and announced in class.

Your project will be easy to do IF you work on it a little bit each week. **It will be almost impossible to do if you wait until the last minute.** Project teams need to consist of people who are in the same lab section and need to be formed by the start of the fourth week of class. By the start of the fifth week of class, you should have your topic okayed by the instructor (me). You do not have lab on the fifth week of class, so this is an ideal three hour bloc of time for you to meet to get going on your project. Projects will be presented during the last week of class. No late projects will be accepted.

Before and After class summaries: On most, but not all lecture days, some time will be set aside to summarize lecture material. This may be done at the start of class (discussing the previous week's material and how it related to lab), or at the end of a lecture. Students will be asked to turn in a statement answering a question given by the instructor.

Grades: PCC official Grading Guidelines can be found at: www.pcc.edu/resources/academic/standards-practices/G301.html. The traditional grade system, A, B, C, D, F is defined in document at this link. Students are responsible for reading about and selecting a grading system option for the class. Students do not receive an A for "doing all of the assigned work" and "satisfactory completion" of a course (that is the criteria for a C). An A means "Superior", while "Above Average" is a B. Please familiarize yourself with these grading guidelines. Students who choose to take a pass/no pass option need to be aware that their grade must be equivalent to or better than a C to pass the course.

Faculty may assign a mark of NS (no show) and deny access to any registered Student who does not attend the first class session. The drop deadline for this class is Friday, April 9 (both for a drop with a refund and a drop without a "W" grade). Students will be assigned a "W" grade when a withdraw is processed between April 10th and May 21st. After that, students will receive an F or NP. Students who stop attending class without formally withdrawing will receive an F or NP for the course and will be liable for all charges on their account.

For this class, grading is done on a straight scale (90% and above = A, 80-89% = B, 70-79% = C, 60-69% = D, and below 60% = F).

Grades will be determined from performances on:

- 2 best exams 50%
- Before and After class summaries 5%
- Project 20%
- Lab 25%

At one time, PCC's policy on incompletes was as follows: When the quality of the work is satisfactory, but some minor, yet essential, requirement of the course has not been completed, and for reasons acceptable to the instructor, a report of "I" may be made and additional time granted for the completion of the work. If the course is not completed within a year, the "I" will be administratively changed to an "NP" unless the instructor submits another grade. The conditions for completion of the work should be stated in writing, signed by the instructor and the student, and kept on file in the department or program office.

I think that this is a good policy, and I do not generally give "I" grades.

Academic Integrity and Code of Student Conduct: The official policies of PCC on Academic Integrity and the Code of Student Conduct can be found at www.pcc.edu/about/policy/student-rights. Please familiarize yourself with the policies outlined on this site. "Students are expected to be honest and ethical in their academic work. Cheating, plagiarism, falsifying, and working with others to cheat are all forms of

academic dishonesty.” The penalty for academic dishonesty in this course is automatic failure of the assignment or exam in question.

Disability: Students who have a documented disability and require a classroom adjustment or accommodation should contact the Office for Students with Disabilities [www.pcc.edu/resources/disability] and provide the OSD Approved Academic Accommodation to the Instructor.

Attendance: Students are expected to attend all classes. Each student is responsible for all of the content of all of the classes, including lecture material which may not be in the text. If you miss lecture or lab, then it is YOUR responsibility to learn the material covered. I will not be grading on attendance, but will keep track of who is attending. Please be sure to sign the attendance sheet each class period.

Announcements: The course content and requirements may be adjusted in response to institutional, weather or class situations as needed. Notice of changes will be announced during lecture or lab and will be posted on an announcements page on the class web site. The lectures may also cover material not included in the textbook. You are responsible for ALL of the material discussed in class, whether you are present or not.

The course outline given below is TENTATIVE and may be subject to revision. Any changes will be announced in class and are your responsibility.

Week	Lecture	Lab
1	Chapter 1- Introduction, formation of earth, rock cycle, plate tectonics	Introductions Lab 1B, 2B, and 2D
2	Chapter 2 - Minerals	Lab 3A and 3B
3	First Exam – through minerals Chapter 3 – Igneous Rocks	Lab 5
4	Chapter 4 - Volcanoes	Volcano films
5	Chapter 5 through page 156 – Weathering Chapter 6 – Sedimentary Rocks	No lab – due to faculty inservice
6	Chapter 6 – Sedimentary Rocks Chapter 7 – Metamorphic Rocks	Lab 6
7	Second Exam – through sedimentary rocks Chapter 9 – Folds and faults	Lab 7
8	Chapter 9 – Folds and Faults Chapter 10 Earthquakes	Earthquake films
9	Chapter 11 – Earth’s Interior Chapter 12 – Plate Tectonics – full version	Lab 16
10	No Lecture – Memorial Day	Presentation and critique/ discussion of group projects
Finals	Final Exam	