

# Course Assessment – Part A: Your Plan

#140

Your Email \*

Please select your course & name from the list. Contact Instructional Services if your course or name are incorrect or missing

G 201 – Physical Geology – Fall 2016

Part A: Your Plan  
[Directions](#)

1. Choose three of your course outcomes to assess and report on this term (these will also be used in your Student Course Evaluation survey):

Use scientifically valid modes of inquiry, individually and collaboratively, to critically evaluate the hazards and risks posed by volcanoes and earthquakes both to themselves and society as a whole, evaluate the efficacy of possible ethically robust responses to these hazards and risks, and effectively communicate the results of this analysis to their peers.

Outcome #1 \*

Outcome #2 \*

Use an understanding of rock and mineral characterization and classification to infer the geologic processes that formed individual rock and mineral specimens.

Outcome #3 \*

Analyze the development, scope, and limitations of plate tectonics and utilize plate tectonics to explain the Earth's earthquake and volcanic activity as well as the occurrence of common rocks, minerals, and economic deposits.

Have you completed an assessment for this course prior to this term?

No

If yes, are you assessing different outcomes? Yes

Comments:

2. To which degree, certificate or program outcomes do these course outcomes map?  
[Degree, Certificate, & Program Outcomes](#)

- Not Sure
- AAOT (Associate of Arts Oregon Transfer)
- AS (Associate of Science)

Method of Assessment

3. What methods will be used to assess individual student understanding of each of these outcomes? (Please be specific.)

Course project, students will research a geologic hazard and describe how it is triggered, how it can be prevented or mitigated and how the response to the hazard is handled. They will be working in groups and will verbally present the material as well as write a paper for the project. If a student gets at least an 80% on the project or full credit on the hazards portion of the project rubric, they understand the outcome.

Outcome #1: Method to assess student understanding \*

Outcome #2: Method to assess student understanding \*

Students will complete this in each lab (Minerals, Igneous, Sedimentary and Metamorphic rocks). I plan to make note of the answers and grades on this portion of each lab to check for improvement and retention throughout the term. I will have a section in part of the week 7 lab (metamorphic rocks & the rock cycle) where students will be given various samples and will have to determine what they are and how they formed. I will also have a question on the final exam in a similar format. If a student gets at least an 80% on that question or portion of each lab, they understood the outcome.

Outcome #3: Method to assess student understanding \*

Students will summarize plate tectonics, the relationship to earthquakes, volcanoes and various rock samples in the earthquakes and plate tectonics homework as well as in a question on the final exam. If a student gets at least an 80% on that question, they understood the outcome.

4. How will you know if you were successful in your efforts to teach this outcome?

At least 70% of the students that complete the assignment will have earned at least a 70% on the assignment.

Outcome #1: \*

Outcome #2: How will you know if you were successful in your efforts to teach this outcome? \*

At least 70% of the students that complete the assignment will have earned at least a 70% on the assignment. I will evaluate the progress throughout the term with each assignment to check for improvement and retention throughout the term.

Outcome #3: How will you know if you were successful in your efforts to teach this outcome? \*

At least 70% of the students that complete the assignment will have earned at least a 70% on the assignment. I will evaluate the progress throughout the term with each assignment to check for improvement and retention throughout the term.

5. Instructor Questions

How effective were the discussion activities in helping you understand the material covered each week? Please explain.

Create two course specific questions to be included on the Student Course Evaluation.

#1

#2

How effective were the field trips in your understanding of the material covered in this class? Would you like to see more field trips in the future?

Do you require the names of students who complete the course evaluation survey? \*

- Yes

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