

Please select your course and name from the drop-down menu. If your course or name are incorrect or missing, contact Sara Wade, the Instructional Services Administrative Assistant, 541-506-6037 or swade@cgcc.edu.

GS 106- Physical Science (Geology)- Gretchen Gebhardt- Fall 2022

*** Part B: Your Results DIRECTIONS** 1. Report the outcome achievement data gathered via the assignments, tests, etc. you identified for each outcome (question 3) of your Part A. (Only include data for students who completed the course. Do not include students who withdrew or earned an incomplete) Data for all 3 outcomes should be reported below.

Outcome 1:
Over 80% 8
70-80% 1
60-70% 2

Outcome 2:
N/A forgot to change final exam questions!

Outcome 3:
Over 80% 5
70-80% 4
60-70% 1
50-60% 1

*** Outcome #1**

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

*** % of students who successfully achieved the outcome (C or above)**

82

*** Outcome #2**

Use an understanding of the rock cycle, plate tectonics and surface processes to explain how the Earth’s surface wears away and is renewed.

*** % of students who successfully achieved the outcome (C or above)**

NA

*** Outcome #3**

Make field and laboratory based observations and measurements of earth materials and landscapes, use scientific reasoning to interpret these observations and measurements, and compare the results with current models of geologic processes identifying areas of congruence and discrepancy.

*** % of students who successfully achieved the outcome (C or above)**

73

*** ANALYSIS 3. What contributed to student success and/or lack of success?**

I forgot to change my final exam questions, so I was unable to get any data from the second outcome!

The students that struggled and did not reach the course goals were those that had outside factors causing them to have to pull away from school. Family, work, illness.

*** 4. Helping students to realistically self-assess and reflect on their understanding and progress encourages students to take responsibility for their own learning. Please compare your students' perception of their end-of-term understanding/mastery of the three outcomes (found in student evaluations) to your assessment (above) of student achievement of the three outcomes.**

Outcome1: Students went from Beginning/Developing to Developing/Proficient, 44% of them self identifying as Proficient. This is lower than my data shows

Outcome 2: Students went from None/Beginning/Developing to Proficient, 89% of them self identifying as Proficient. I can not compare!

Outcome 3: Students went from None/Beginning/Developing to Developing/Proficient, 33% of them self identifying as Proficient. This is also lower than my data shows.

*** 5. Did student achievement of outcomes meet your expectations for successfully teaching to each outcome (question 4 from Part A)**

I am concerned at the difference between the student evaluation and my evaluation. I think I should have some self reflections on each lab or maybe my assessments are skewed.

*** 6. Based on your analysis in the questions above, what course adjustments are warranted (curricular, pedagogical, student instruction, etc.)?**

I might try adding in some reflection type questions to the end of each lab so students have a chance to reflect each week and I can answer questions they might have.

I wasn't able to assess field items - not many made it to the field trips

7. What resources would be required to implement your recommended course adjustments (materials, training, equipment, etc.)? What Budget implications result?

Funding for transportation to field trips!

*** 8. Describe the results of any adjustments you made from the last assessment of this course (if applicable) and their effectiveness in student achievement of outcomes.**

I have had to be more relaxed when it came to labs and field trips. I don't think this benefitted students and their learning.

9. Describe how you explain information about course outcomes and their relevance to your students.

I discuss them on the first day and in my syllabus intro video.

10. Please describe any changes/additions to instruction, curriculum or assessment that you made to support students in better achieving the CGCC Institutional Learning Outcomes: ILO #1: Communication. The areas that faculty are focusing on are: "Content Development" and/or "Control of Syntax and Mechanics" and ILO #2: Critical Thinking/Problem Solving. The areas that faculty are focusing on are: "Evidence" (Critical Thinking) and/or "Identify Strategies" (Problem Solving). ILO #4: Cultural Awareness. The area that faculty is focusing on is: "Curiosity" - Encouraging our students to "Ask deeper questions about other cultures and seek out answers to these questions" ILO #5: Community and Environmental Responsibility. The area that faculty are focusing on are: "Applying Knowledge to Contemporary Contexts" and "Understanding Global Systems" ILO#3 - Quantitative Literacy - "Application/Analysis" and/or "Assumptions"

I worked some of these into my project at the end of the term.