

Course Assessment– Part B: Your Results & Analysis

#72

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ESR 171 Environmental Science: Biological Perspectives – Burton

Results

1a. Report the outcome achievement data gathered via the assignments, test, etc. you identified in question 3 of your Part A. *

OUTCOME 1: Out of 18 students, 17 achieved at least 26 points on the essay question regarding water quality analysis and 15 achieved at least 26 points on the essay question regarding Salmon recovery.
 OUTCOME 2: Out of 18 students, 13 achieved at least 80 points on a student journal so I was not successful.
 OUTCOME 3: Out of 18 students, 17 achieved at least 80 points on an oral presentation with accompanying visual/graphical representations.

1b. Report the percentage of students who mastered each outcome that you identified in question 3 of your Part A.

Identify and express interactions of humans and the environment:

Outcome #1 *

Essay exam question about human interaction in Environment that includes Biologic subjects such as Endangered Species recovery (Salmon) and Water Quality Analysis to monitor human impact.

% of students who successfully achieved the outcome: *

Salmon:94% and Water Quality: 83%

Outcome #2 *

Utilize field and laboratory methods/technologies to measure and describe ecosystems:

Student journal for experiential notes or Write-ups of field and laboratory experiences that provide a stepwise procedure to measure ecosystems such as assaying stream health by using macro invertebrate collecting.

% of students who successfully achieved the outcome: *

72%

Outcome #3 *

Demonstrate an understanding of ecosystem functioning and human effects upon ecosystems:

Oral presentations with accompanying Visual/graphical representations. Students are to conduct independent research on a subject of their choice relative to the class and produce and orally deliver a presentation about that subject in class.

% of students who successfully achieved the outcome: *

94

Reflect on you assessment results and provide analysis, considering what contributes to student success and/or lack of success. Include feedback from student course evaluations as appropriate. *

My outcome 1 (Essay test questions) and outcome 3 (Oral presentations) both met expected success as I had

planned in part A but outcome 2 (Student journal) did not. I think that the journal might have met expectations if two students would have turned them in but they did not.

Oral presentations generally score well as students are reporting on work they have done that is original and passionate. When they are working on these in a group, they depend on each other and almost always equally share the work so they all benefit equally. In evaluations the projects are favorite works as they put much thought and effort in here.

Tests scored well due often to the fact that student journals can be used here--details about particular subjects are available and contribute to success. Evaluations show that this is not a popular part of class but that they are useful learning tools.

I am surprised about the journal averages but believe that if I count the 16 that were actually turned in, 13/16 is 81% so that would have achieved my goal--two students scored less than 70% and two did not turn them in at all (one student dropped).

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

I need to be clear the journals are important and that details in them are useful in many ways--sometimes students won't turn in unfinished works for partial credit and this is a mistake. I feel like the tests and projects went successfully and would continue these.

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

I see no additional resources needed.

Were your assessment methods accurate indicators of student learning? Why or why not? Any additional comments?

I think my assessment methods were accurate because the bulk of students achieved at a high level and received good grades. I think they were successful and enjoyed my class.

(OPTIONAL) Reflect on any adjustments you made from the last assessment of this course and their effectiveness in student achievement of outcomes?

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