

## Course Assessment- Part B: Your Results &amp; Analysis

COMPLETE

#509

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

BI 234- Microbiology- 1096738- Emilie Miller- Spring 2021

\* **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.

2 of 3 outcomes were met. See data below.

\* **Outcome #1**

Use an understanding of the impact of microbes on human cultures around the world both historically and in the present day to evaluate current health issues.

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

90%

\* **Outcome #2**

Use scientific methods to qualitatively and quantitatively describe microbial characteristics and processes and understand their relationship to the identification of microbial species.

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

92%

\* **Outcome #3**

Relate an understanding of the basic principles of microbiology to personal health and use this understanding to make informed personal and professional decisions.

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

0%, 70% achieved this outcome (rather than 80%)

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

I feel lack of success with exam scores may partly due to the online format of exams and extenuating circumstances of attending online courses during a pandemic.

\* **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.**

Many of my students reported increased understanding of the material from the start to the conclusion of the course.

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

yes

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

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A hybrid or face-to-face delivery of this course would greatly improve understanding. Laboratory instruction is a key part of any Microbiology course, this portion was greatly lost with the lack of hands-on work with real microbes.

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

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Lab time.

**\* 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.**

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None

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

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Changes have included being more aware of current science in the news and discoveries, supported by classroom discussion.

**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: "Source and Evidence" and "Organization and Presentation" and ILO #2: Critical Thinking/Problem Solving. The areas that faculty are focusing on are: "Student's Position" (Critical Thinking) and "Evaluate Potential Solutions" (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"**

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None, other than lab time or option of a hybrid delivery.