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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](mailto:swade@cgcc.edu).

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BI 234-Microbiology-Emilie Miller- Part B- Fall 2024

**\* 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.

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Each of my outcomes was met with 100% completion.

**\* Outcome #1**

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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)**

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100%

**\* Outcome #2**

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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)**

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100%

**\* Outcome #3**

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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)**

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100%

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

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Connecting material taught in class to lab procedures. In addition to exams, review days before exams, homework assignments, work on their unknown projects, and their disease projects all helped with the point totals contributing to their grades.

**\* 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.**

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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)**

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yes

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

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I do not see the need for major changes. I would like to implement a semi-flipped classroom in the Spring to make time for more in-class activities.

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

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Few, perhaps some purchases I have yet to determine.

**\* 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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Much better - we are now face-to-face and can do real labs.

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

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Changes have been being more aware of current science in our world 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: "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: "Openness" (Encouraging our students to "Initiate and develop interactions with culturally different others") ILO #5: Community and Environmental Responsibility. ILO#3 - Quantitative Literacy - "Application/Analysis" and/or "Assumptions"**

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Introducing microbiology in the news at the beginning of class and talking about current events in science.