



**Central
Arizona
College**



Baseline Assessment

Assessment Reporting Form: This report is to show that academic assessment is occurring and that the results are being used to make changes to improve student learning. The assessment being reported relates to Measurable Student Level Outcomes (MSLOs). This Baseline Assessment Reporting Form shows the percentage of students who are proficient in the student learning outcome(s) assessed and identifies improvements that will be made to increase that percentage.

Course being assessed -

BIO205

Term in which assessment was completed (baseline) -

Spring 2023 --the assessment has been running since Fall 2020 and we did run it SP2024 and FA2024 but have

Please provide the name of the assessment and a description of its type (multiple-choice quiz, essay aligned with rubric, performance exam, etc.).

BIO 205 Course Assessment (multiple choice quiz with questions aligned to MSLOs and CSLOs)

What is the targeted proficiency level for this assessment?

0.7

How many faculty members administered the assessment?

6

How many sections were included in the assessment?

6

How many students participated in the assessment?

70

Term in which follow-up assessment will be completed

SPRING 2025

What efforts and/or changes will be made based on the results of the baseline data? Check each that will

Enhance student learning by adding additional instruction to the course i.e. lecture, PowerPoint, video,

List the first MSLO that was assessed -

(Analysis Level) Outline the history of microbiology and the contributions of various scientists to the field. (CSLO

Which Common Student Learning Outcome(s) does this MSLO align with?

Integrative Knowledge

How many students demonstrated proficiency on this MSLO?

71

List the second MSLO that was assessed (if applicable)

(Analysis Level) Describe and distinguish between the various types of microbes. (CSLO 2 , 3 & 4)

Which Common Student Learning Outcome(s) does this MSLO align with?

Integrative Knowledge;Personal & Professional Skills

How many students demonstrated proficiency on this MSLO?

63

List the third MSLO that was assessed (if applicable)

(Analysis Level) Describe and differentiate the structural and functional characteristics of prokaryotic and eukaryotic cells. (CSLO 2 & 4)

Which Common Student Learning Outcome(s) does this MSLO align with?

Integrative Knowledge;Reasoning Skills

How many students demonstrated proficiency on this MSLO?

66

List the fourth MSLO that was assessed (if applicable)

(Evaluation Level) . Explain and analyze the various metabolic pathways of microbes with a focus on different

Which Common Student Learning Outcome(s) does this MSLO align with?

Integrative Knowledge;Reasoning Skills

How many students demonstrated proficiency on this MSLO?

56

List the fifth MSLO that was assessed (if applicable)

(Analysis Level) Describe and analyze microbial growth media, patterns, and factors that affect growth. (CSLO 2,

Which Common Student Learning Outcome(s) does this MSLO align with?

Integrative Knowledge;Personal & Professional Skills

How many students demonstrated proficiency on this MSLO?

65