

PET FORM
Planning and Evaluation Tracking
(2012-2013 Assessment Period)

Division of: [Arts & Sciences](#)

Person Responsible for this Division: [Jerry Moller](#)

Department of: [Biology](#)

Primary Person Responsible for this Form: [Kathryn Wetzel](#)

Purpose Statement (With Last Updated Date):

Goal Statement #1:

[Use critical analysis and scientific reasoning \(AC Strategic Plan through 2015: Strategy 1.4\)](#)

Outcome/Objective Statement #1A

(Be sure to include audience, behavior, conditions, degree/benchmark, and evaluation method):

[Upon successful completion of Microbiology, 90% of the students will have developed the reasoning ability to correctly identify an unknown sample of bacteria using critical thinking skills \(AC Strategic Plan through 2015: Task 1.4.1\).](#)

- Results (If Applicable, Provide Numbers and Percentages for Quantitative Data)
 - **2010-2011 Data:** [An average of the two semesters of students' results indicates that 90.75% of the Microbiology students that successfully complete the course correctly identified an unknown sample of bacteria.](#)
 - **2011-2012 Data:** [An average of the two semesters of students' results indicates that 82.1% of the Microbiology students that successfully complete the course correctly identified an unknown sample of bacteria.](#)
 - Analysis
 - [The benchmark of 90% was not met. The slight decrease in percentage from 90% to 82.1% will be addressed and the data reviewed.](#)
 - Improvements
 - [As we had met our benchmark the last year, we did not implement any planned improvements. With the percentage correctly identifying the unknown decreasing by nearly 8 percentage points, the teachers will collaborate and identify some strategies to increase the percentage that can correctly identify the unknown.](#)
 - Recommendations/Actions for 2012-2013
 - [The teachers of this course \(Bauman, Dolby, Moore, Schwarzlose\) will form a committee, elect a chair, and determine a strategy to increase the percentage of those who can correctly identify the unknown within this current 2012-2013 academic year. There will be no budget implications.](#)
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Goal Statement #2:

Use critical analysis and scientific reasoning. This goal supports the AC Strategic Plan section 1.4.

Outcome/Objective Statement #2A

Upon completion of the Biology course, students will answer 70% of the 34 embedded questions on the final correctly.

- Results (If Applicable, Provide Numbers and Percentages for Quantitative Data)
 - **2010-2011 Data:** An average of the two semesters student' results indicates that 69.82% of the Biology students that successfully complete the course, answered 70% of the embedded questions correctly.
 - **2011-2012 Data:** An average of the two semester's student results indicates that 61.8% of the Biology students complete the course answered the embedded questions correctly.

- Analysis
 - The benchmark of 70% was not met. The decrease in percentage from 69.8% to 61.8% will be addressed and the data reviewed.

- Improvements
 - As we had effectively met our benchmark the last year, we did not implement any planned improvements. As the percentage answering correctly has decreased 8 percentage points, the teachers will collaborate and identify some strategies to meet our objective.

- Recommendations/Actions for 2012-2013
 - The teachers of this course (Porter, Craig, Foster, Thompson) will form a committee, elect a chair, and determine a strategy to increase the percentage of those who can answer embedded questions on the final correctly within this current 2012-2013 academic year. There will be no budget implications.