

PET FORM
Planning and Evaluation Tracking
(2011-2012 Assessment Period)

Division of: **Arts & Sciences**

Person Responsible for this Division: **Jerry Moller**

Department of: **Biology**

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

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 (Provide Numbers and Percentages for Quantitative Data)

- **2009-2010 Data:** An average of the two semesters of students' results indicate that 92.5% of the Microbiology students that successfully complete the course, correctly identified an unknown sample of bacteria.
 - **2010-2011 Data:** An average of the two semesters of students' results indicate that 90.75% of the Microbiology students that successfully complete the course, correctly identified an unknown sample of bacteria.
 - Analysis
 - The goal was met over a two year time frame. No improvements in the system need to be made at this time.
 - Recommendations/Actions for 2011-2012
 - The program will continue to unofficially monitor the students identification results but will discontinue using this identification process as a PET measurement.
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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

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

Results (Provide Numbers and Percentages for Quantitative Data)

- **2009-2010 Data:** An average of the two semesters students' results indicate that 65.2% of the Biology students that successfully complete the course, answered 70% of the embedded questions correctly.
- **2010-2011 Data:** An average of the two semesters students' results indicate that 69.82% of the Biology students that successfully complete the course, answered 70% of the embedded questions correctly.
- Analysis
- During the past year, the results have improved.

- Recommendations/Actions for **2011-2012**
 - The students results will be evaluated at the end of the 2011-2012 academic year to see if the improvement continues. The course is being redesigned and all sections are now following an established, well-defined schedule and description of material.
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