

WRIGHT COLLEGE PROGRAM/DISCIPLINE ASSESSMENT FORM

Program/Discipline: Department of Biology

Instructional Manager: Marilyn Young/Kevin Li

Semester/Year: Fall/2008

Assessment Coordinator: Helen Rarick
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Department Chair: Alicia Anzaldo/Henry Herzog

Plan Title: Students Helping the Environment Analysis

Part A: Initial Plan: due first Friday of Fall semester classes

Part B: Midyear Update: due first Friday of Spring semester classes

Part C: Final Report: due first Friday of Summer semester classes

The current submission is which of the following:

- Initial Plan** **date:** _____
 Revision **date:** _____
 Mid-year update **date:** _____
 Final Report **date:** _____

College Mission: Wright College is a learning-centered, multi-campus institution of higher education offering students of diverse backgrounds, talents, and abilities a quality education leading to baccalaureate transfer, career advancement, and/or personal development.

Program/Discipline Mission: The mission of the Biology Department is to open doors to the future for our students. To accomplish this mission the curriculum is designed and organized to prepare competent and effective students who can use biological principles and who can critically think, read, and demonstrate quantitative and technological literacy. With these skills, biology students can successfully achieve their life goals and make informed judgments concerning the medical and environmental worlds.

A1. . Program/Discipline Assessment Plan - due first week Fall semester

Area of Focus:

Your department efforts are to improve learning in what topic/area?

Examine the reason(s) why students are not contributing or volunteering their time to help the environment and provide opportunities to participate in these activities.

Evidence:

What past results have led your department to conclude that this is an area needing attention?

Despite departmental data indicating that students are concerned about environmental issues, further data indicates that these students are not actively involved in contributing or volunteering their time to help the environment.

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PROGRAM/DISCIPLINE ASSESSMENT FORM**

Course(s) of Interest:

What courses will be involved in your plan?

Biology 119: Environmental Biology

Biology 121 Introductory Biology

Biology 299: Independent Study

**Intended Program
Student Learning
Outcomes**

List and number each outcome to be measured during this cycle.

7. Students will apply understanding of biological principles learned in the classroom in the community at large.

8. Students will gain an understanding of current global environmental and health concerns.

Involved Faculty:

List the instructor(s) leading the assessment process for each outcome listed above.

Kurt Leslie

Joseph Oyugi

Helen Rarick

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Assessment Process

Address the following questions:

What approach will be used?

Why was this process selected?

How will student learning be measured?

When will data collection be completed?

Who will analyze the results?

What: Students will be given pre and post surveys which will include an environmental competency quiz, designed to measure their involvement in and awareness of their community. Students will be encouraged to actively participate in college sponsored field labs and service learning.

Why: Students enrolled in BIO 119 sections are most directly addressing environmental concepts in the course curriculum.

How: A pre survey will be given at the start of the semester. A post survey will be given at the end of the semester. The successful completion of field labs and service learning will be monitored and recorded. Success rates will be compared to those of previous semesters.

When: Data will be collected in the fall semester. Data will be analyzed in the spring semester.

Who: Kurt Leslie, Joseph Oyugi, Helen Rarick, Noah Marshall

Criteria for Success

For the outcomes listed above, identify the criteria used to determine success.

1. A majority of students participating in the environmental competency quiz, will respond in a way that indicates environmental awareness.
2. 80% of students who complete the course, successfully participated in field labs and service learning.
3. Data will indicate a significant increase in successful completion by students.

B. Midyear Update – due first week Spring semester

Completely describe all actions that have occurred since this past August with respect to your department's Assessment Plan.

All instructors involved: Pre and post environmental surveys along with pre and post environmental competency quiz were administered, completed by students in Bios 119, Bios 121 and Bios 299 and returned at the end of Fall semester 2008. These will be analyzed.

Attach any relative documents (rubrics, surveys, other assessment tools).

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PROGRAM/DISCIPLINE ASSESSMENT FORM**

Are there any obstacles to the implementation of the plan that the Assessment Committee should know about or can assist with?

None at this time

Part C – due first week Summer semester

Summary of Results and Analysis of Data Collected

What were the results of the assessment process?

What was learned from the results?

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**Action Plan Based on
Results and Analysis**

Based on what was
learned, what steps will be
taken to improve student
learning?