

Assessment Report - Annual Update

Program Assessment (focus on most recent year)

Department:	Agriculture
Program:	Plant Science
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A. List your Program Learning Outcomes (PLOs)/Administrative Unit Outcomes (AUOs)

1. Demonstrate managerial and leadership abilities for plant science majors that will enhance opportunities for employment and success in the agriculture industry in the 21st century.
2. Master skills needed for baccalaureate level education or obtain a certificate in plant science at B.C.
3. Demonstrate specific skills within the plant science discipline needed for employment.

B. How did your outcomes assessment results inform your program planning? Use the bullet

- * We need to obtain more up-to-date laboratories, equipment, and even supplies. We have been continually working to remedy that need via grants and applications for equipment funding.
- * The number of plant science majors has decreased in the last two years. We are making a huge effort to recruit more students into the major through high-school visits and an open house this spring. We need to explain to students that there are plenty of jobs available for degreed people in plant science.

C. How do course level student learning outcomes align with program learning outcomes?

We have mapped all of our course SLOs to their respective PLOs and the PLOs to the ILOs. We do this for each course as they come up for review on the six year cycle. **The course SLOs are evaluated using a program we use that assigns each question we ask on each test or assignment or lab to a specific SLO for the course and then tracks student success on the question or assignment.**

Institutional Learning Outcomes:

1) Think: Think critically and evaluate sources and information for validity and usefulness.

2) Communicate: Communicate effectively in both written and oral forms.

3) Demonstrate: Demonstrate competency in a field of knowledge or with job-related skills.

4) Engage: Engage productively in all levels of society – interpersonal, community, the state and the nation, and the world.

D. How do the program learning outcomes or Administrative Unit Outcomes align with Institutional Learning Outcomes? All Student Affairs and Administrative Services should respond.

PLO 1 - ILO 1,2,3,4

PLO 2 - ILO 1,3

PLO 3 - ILO 1,2,3,4

E. How do you engage in collegial dialog about student learning outcomes?

There are only two professors involved in the plant science program (Lindsay Ono and Greg Cluff). We constantly work on development and needs of the program. Just two examples are the new AS-T and planning of the new labs and classrooms of the Agriculture Center. We are also planning to merge the horticulture and crops AS and CA into a plant science AS and CA.

F. In your previous program review did you specify a major objective or project to implement specifically designed to improve equity?

At this time, the only achievement gap that our program has of any significance for the last year is that for African Americans (~10% lower success rate than other groups). Because we have relatively few African Americans in the program (3%), the so called lower success rate comes and goes through the years, so I am not sure the data is reliable. However, we need to keep a close eye on that statistic and see if it continues over a couple of years. Also, the African American success rate for Plant Science is still 17% higher than that of the college at 68% total.