Assessment: Assessment Unit Planning

Program Review 2014-15

YC - Physical Science, Geology & Geography Program Review

Year Under Review : 2014-15
Type of Review:
Program Description : At this time there are not any curriculum/program specific support services outside of those offered by the college. There has been a concentrated effort to develop appropriate tutors for all of the courses within the program. No formal evaluation has occurred of the success of the program support other than anecdotal follow-up with students who have received tutoring. As mentioned in previous program review, this program has been in considerable flux for the last few years as there has been no full-time faculty ownership. Institutional data is currently being investigated to look for emerging trends. More information will be provided in subsequent years.
Executive Summary (Include a list of team members): The Geology, Earth Science, Geography, and Physical Science program has been in "maintenance" mode for the last three years without a contract FTEF. With the addition of 1.0 FTEF, we expect to see an increase in success, retention, and efficiency.
01IP. Department Goals (Click '?' for Prompt): Foster a culture of evidence-informed decision making, including SLO development/assessment and other measures of student success.
Goal: Update all SLO's and add new as necessary.
Action: Currently (2015) program has 3 SLOs and each course has at least one stated SLO

Prioritize and allocate resources based on existing and emerging community and student needs over those of individual projects or programs.
Goal: Organize and catalog exiting classroom and equipment.
Action: Over summer (2015) organized classroom samples and most available equipment.

Steward our institutional resources with increasing effectiveness and efficiency.
Goal: Better understand how to use institutional resources to increase effectiveness
Action:

Research and utilize effective modes of delivery for our courses and services.
Goal: Develop a Distance Education course with the goal of multiple offerings in coming semesters
Action: in progress 2015

Design our programs in such a way as to allow students to complete their educational goals in a timely manner.
Goal: Understand how to help students reach their educational goals in a timely manner.

Evaluate our programs, services and processes to ensure continuous quality improvement.
Improve the quality of the student experience at all our campuses and centers.
Goal: Program Evaluation
Action: Program review

Develop partnerships to enhance educational resources and student opportunities.
Goal: Look to the community to develop partnerships
Action:

Exemplify educational excellence, fiscal responsibility, cultural awareness, and civic engagement for our communities and region.
Goal: Develop more community connection
Action: Earth Explorers Club
02IP. Access to Support Services (Click '?' for Prompt): -Supplemental Instruction (In-class peer tutor), -DSPS, -EOPS, -Library

Services, -Counseling Services

03IP. Follow up to question 02IP (Click '?' for Prompt): All students have access to the above services. Workshops and Learning Communities are a goal moving forward.

04IP. Degrees/Certificates (Click '?' for Prompt): This program does not have any degrees. A geology degree was investigated and found to be inappropriate for this student population. All courses within this degree are applicable to the Natural Science degree.

05IP. Improve Completion (Click '?' for Prompt): All courses in the PSGG (physical science, geology, and geography) program are transferable.

06IP. Course Outlines (Click '?' for Prompt): Not all COR's are up to date. Updating COR's is a 1015-16 goal.

07IP. Collaboration (Click '?' for Prompt): Students are made aware of the various services available to them and are encouraged to use them.

08IP. Catalog Currency (Click '?' for Prompt): All listings are correct. Two courses have not been taught in the last two years, but each one will be taught in the future. Goals for 2015-16 include moving Earth Science from the Physical Science heading to the Geology. Adding more field trip courses (currently using a generic geology 41 course for field trips.

09IP. For CTE Programs Only (Click '?' for Prompt): N/A

10IP. DE Students (Click '?' for Prompt): DE will be offered in upcoming semesters.

11IP.Disproportionate Impact(Click '?' for Prompt): The courses in the PSGG program do not seem to be disproportionately impacted.

12IP. Mapping (Click '?' for Prompt): Yes

13IP. Course SLOs (Click '?' for Prompt): Each semester students are assessed on both program and course SLOs. The following results for the pre-test in the fall semester were:

Geography 4.2/10
Earth Science 4.6/10
California Geology 3.9/10
Physical Science 3.7/10
Oceanography 5.2/10

The goal of 7.5 out of 10 has been set for the end of the semester.

14IP. Program SLOs (Click '?' for Prompt): The results for program SLO's are the same as above. The first three questions on each multiple choice quiz are the program questions and the last six are course specific questions.

15IP. Professional Development (Click '?' for Prompt): The PSGG is a department of one. This year the re-launch of the Earth Explorer's Club has taken place as well as the addition of Field Trip courses.

16IP. Reflection (Click '?' for Prompt): This program review will serve as a catalog and reminder of the need/accomplishments of program.

Are you ready to submit your final program review?: Yes

Program Recommendation: Lab Tech

Acquire a laboratory technician to be split with physics. This person could also help clean and order the current lab equipment and supplies.

Recommendation Priority: 1. Low Priority

Year(s) Requested: 2014-2015

Supporting Evidence : The addition of a laboratory technician will increase laboratory effectiveness.

Evaluation Plan: TBD

Plan of Action

Staffing - Faculty - This semester, Abrar is sharing the chemistry lab technician. In the past, I have discussed with the previous physics faculty about sharing a lab tech. A full-time lab tech is not required for my program so the plan of action would be a part-time lab tech, or a full-time tech split with another discipline. (Active)

Timeline/Responsible Party: Other science faculty, Science Dean

Perkins Eligible: No

DE Related: No

HSI Related: No

YC - Location: Yuba College - All

YC - Physical Science, Geology & Geography Program Review

Program Recommendation: Classroom Techinology update

The ES/GEOG program need a technology update. Ideally this would be new student computers or mobile devices

Recommendation Priority: 2. Medium Priority
Year(s) Requested: 2014-2015
Supporting Evidence : Support evidence will be developed
Evaluation Plan: TBD

Plan of Action

Equipment - Assess the need/cost of new computers or wireless devices in the classroom. (Active)
Budgetary Impact: $4000-$8000
Timeline/Responsible Party: Facilities/IT, Dean, Department
Perkins Eligible: No
DE Related: No
HSI Related: No
YC - Location: Yuba College - All

Program Recommendation: Wireless Access

The Science Building needs wireless access.

Recommendation Priority: 3. High Priority
Year(s) Requested: 2014-2015
Supporting Evidence : Existing wired outlets seem to be non-functional.
Evaluation Plan: TBD

Plan of Action

Facilities - Request additional support for wired networks, and an additional request for improved wireless access. (Active)
Budgetary Impact: low
Timeline/Responsible Party: IT/Facilities
Perkins Eligible: No
DE Related: No
HSI Related: No
YC - Location: Yuba College - All