

PROGRAM REVIEW Fall 2020

Program: Environmental Studies/Environmental Science

Division: STEM

Date: October 2020

Writer(s): Eric Harpell, Michal Shuldman

SLO/SAO Point-Person: Eric Harpell

Audience: Deans, Vice Presidents of Student Services and Academic Services, All Planning and Allocation Committees. This document will be available to the public.

Uses: This Program Review will be used to inform the campus and community about your program. It will also be used in the processes of creating Division Summaries, determining College Planning Priorities and allocating resources. A final use is to document fulfillment of accreditation requirements.

Please note: Program Review is NOT in itself a vehicle for making requests. All requests should be made through appropriate processes (e.g. Instructional Equipment Request Process) or directed to your dean or supervisor.

Time Frame: This Program Review should reflect on program status during the 2020-21 academic year. It should describe plans starting now and continuing through 2021-22.

Sections: This Program Review has been shortened due to the COVID-19 pandemic. The Program Review Committee understands that you are completing this program review in a time of stress and disruption and that this may affect many of your responses. Sections and questions are marked with the name of the committee or office that will use the information.

- The first section focuses on general program reflection and planning.
- The second section has specific questions to be filled out by all programs this year.
- The third section is a review of curriculum, to be filled out only by programs with curriculum.

Topics: The Program Review Glossary defines key terms. Writers should review this glossary before writing: <https://bit.ly/2LqPxOW>

For Help: Contact Nadiyah Taylor: ntaylor@laspositascollege.edu.

A list of contacts for help with specific sections is provided on the Program Review website under the “tools for writers” tab. [<https://bit.ly/3fY7Ead>]

Instructions:

- 1) Please respond to each question as completely as possible.
- 2) If the requested information does not apply to your program, write “Not Applicable.”
- 3) Optional: Communicate with your dean about completing this document.
- 4) Send an electronic copy of this form to Nadiyah Taylor and your dean by Monday, November 2.

Links:

Program Review Home Page: laspositascollege.edu/instructionalprogramreview

Fall 2019 Program Reviews: laspositascollege.edu/programreview/pr2019.php

Frequently Asked Questions: laspositascollege.edu/instructionalprogramreview/programreviewfaqs.php

Section One: Program Snapshot [Program Review Committee]

For assistance with this section, contact the Program Review Committee Chair. [\[https://bit.ly/3fY7Ead\]](https://bit.ly/3fY7Ead)

No Significant Changes Option

Contact person: _____ Michal Shuldman/Eric Harpell _____

By marking an X in the box above, the writers of this Program Review indicate that there have been no significant changes to their program or their program's needs in the past year. In this case, programs may opt not to complete Program Review Section One: Program Snapshot.

Programs must still complete all other sections (as applicable).

Please note: Choosing this option means that your program's information may not be included in the yearly Division Summary.

The No Significant Changes Option may only be used for two years in a row; after two years, programs must complete a full Program Review including the Program Snapshot. Our program's most recent Program Snapshot was submitted in the following semester: Fall 20_19_____.

A. Accomplishments: What plans were achieved during AY19-20? You may describe achievements that were or were not planned in earlier Program Review. Your response may include actions regarding COVID-19. Please highlight any positive impacts to students.

Mark an X before each area that is addressed in your response.			Definitions of terms: https://bit.ly/2LqPxOW				
<input type="checkbox"/>	Community Partnerships/Outreach	<input type="checkbox"/>	Facilities, Supplies and Equipment, Software	<input type="checkbox"/>	LPC Planning Priorities	<input type="checkbox"/>	Services to Students
<input type="checkbox"/>	Course Offerings	<input type="checkbox"/>	Financial/Budgetary	<input type="checkbox"/>	LPC Collaborations	<input type="checkbox"/>	SLO/SAO Process
<input type="checkbox"/>	Curriculum Committee Items	<input type="checkbox"/>	Human Resources	<input type="checkbox"/>	Pedagogy	<input type="checkbox"/>	Student Equity
<input type="checkbox"/>	External Factors	<input type="checkbox"/>	Learning Support	<input type="checkbox"/>	Professional Development	<input type="checkbox"/>	Technology Use

B. Challenges, Obstacles and Needs: Describe any significant challenges, obstacles or needs for your program. Your response may include issues regarding COVID-19. Please highlight any negative impacts for students.

Mark an X before each area that is addressed in your response.			Definitions of terms: https://bit.ly/2LqPxOW				
<input type="checkbox"/>	Community Partnerships/Outreach	<input type="checkbox"/>	Facilities, Supplies and Equipment, Software	<input type="checkbox"/>	LPC Planning Priorities	<input type="checkbox"/>	Services to Students
<input type="checkbox"/>	Course Offerings	<input type="checkbox"/>	Financial/Budgetary	<input type="checkbox"/>	LPC Collaborations	<input type="checkbox"/>	SLO/SAO Process
<input type="checkbox"/>	Curriculum Committee Items	<input type="checkbox"/>	Human Resources	<input type="checkbox"/>	Pedagogy	<input type="checkbox"/>	Student Equity
<input type="checkbox"/>	External Factors	<input type="checkbox"/>	Learning Support	<input type="checkbox"/>	Professional Development	<input type="checkbox"/>	Technology Use

C. IR Data Review: Describe any significant trends in your program’s data from the office of Institutional Research and Planning. (Note: Not all Programs have IR data available; if your program does not have a data packet or dashboard data, you may note that in the response box.) You may also discuss any other data generated for your program by the Office of Institutional Research and Planning.

IR Data packets are available here: <https://bit.ly/2IYaFu7>

Course Success Rates Dashboard can be found at the bottom of this page: <https://bit.ly/2Y9vGpl>

For assistance with this question, contact the Director of Institutional Research and Planning. [\[https://bit.ly/3fY7Ead\]](https://bit.ly/3fY7Ead)

Mark an X before each area that is addressed in your response.			Definitions of terms: https://bit.ly/2LqPxOW				
<input type="checkbox"/>	Community Partnerships/Outreach	<input type="checkbox"/>	Facilities, Supplies and Equipment, Software	<input type="checkbox"/>	LPC Planning Priorities	<input type="checkbox"/>	Services to Students
<input type="checkbox"/>	Course Offerings	<input type="checkbox"/>	Financial/Budgetary	<input type="checkbox"/>	LPC Collaborations	<input type="checkbox"/>	SLO/SAO Process
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<input type="checkbox"/>	External Factors	<input type="checkbox"/>	Learning Support	<input type="checkbox"/>	Professional Development	<input type="checkbox"/>	Technology Use

D. Short Term Planning: What are your most important plans, either new or continuing, for next year? Describe plans starting now and continuing through AY 21-22. (Optional: You may also describe long-term plans if desired.)

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Mark an X before each area that is addressed in your response.			Definitions of terms: https://bit.ly/2LqPxOW				
<input type="checkbox"/>	Community Partnerships/Outreach	<input type="checkbox"/>	Facilities, Supplies and Equipment, Software	<input type="checkbox"/>	LPC Planning Priorities	<input type="checkbox"/>	Services to Students
<input type="checkbox"/>	Course Offerings	<input type="checkbox"/>	Financial/Budgetary	<input type="checkbox"/>	LPC Collaborations	<input type="checkbox"/>	SLO/SAO Process
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<input type="checkbox"/>	External Factors	<input type="checkbox"/>	Learning Support	<input type="checkbox"/>	Professional Development	<input type="checkbox"/>	Technology Use

Section Two: Institutional Planning Topics (Required for All Programs)

A. Equity [Student Equity and Achievement Committee]: Please describe any recent actions your program has taken to increase equity and/or any challenges your program faces in promoting equity and equity-based decision-making? Areas to consider include students impacted by race/ethnicity, gender, sexuality, age, or disability status, as well as students who are disproportionately impacted due to the shift to remote instruction.

For assistance with this question, contact the Director of Student Equity and Achievement. [<https://bit.ly/3fY7Ead>]

1. The demographics of EVST 5 are similar to the campus in terms of distribution of ethnic groups. Some of the groups have very few students (e.g. African American and Filipino). The success/non-success/withdrawal rate varies considerably between ethnic groups. Some demographics are well above the set standard [Asian, (80%) Filipino (100%)] but other groups have much lower success rates [Latino (56%), African American (0%), Multi-ethnic (56%)]. These groups can have very small sample sizes because this program data is based on a single class. This makes it challenging to examine patterns. We can tell from our data about EVST 5 that there are no major differences in student success for part-time vs. full-time students or male vs. female students. In Spring 2020 female students tended to be more likely to withdraw than male students. About 30% of female students withdrew and 9% had non-success. However, about 23% of male students withdrew and 17% had non-success.
2. This is a cross-disciplinary program, which makes it difficult to track student success in the entire degree plan because it spans many departments and divisions on campus. We have looked at Bio 40, another important class in this degree. In general the Bio 40 class is usually offered in a DE format. It had a very low success rate (55%) in 2019-2020. We need to get course level data on demographics from Institutional Research.. Right now, we have one semester from one section of the Bio 40 class. In that class of 38 students (Bio 40 Fall 2019, DE class) Latino students were more likely to have non-success (29%) than white students (6%), but white students (38%) were more likely to withdraw than Latino students (29%).
3. Data (disaggregation). We have not had enough SLO data to look at disaggregated data. This is partially because the program only has one class. As more departments enter SLO data then we may be able to work together look at disaggregated PSLO data. We often have very small sample sizes and will need to look at multiple years of data. The data available online on success rates doesn't allow for looking at demographic data by two factors or more (e.g. Female and African American) at the course level. This would be another interesting thing to examine given we know female students were more likely to withdraw from EVST 5 than have non-success. It would also be interesting to see if students withdraw early in the semester or right at W deadline.
4. A major challenge is that we see the success gap with Latino and African American students but we do not know why it is happening.
5. There is no faculty release time to work this degree program, including on equity initiatives (e.g. student focus groups and surveys and persistence projects), or on reworking the curriculum to look at department wide policies on topics such as culturally relevant content and grading policies.

6. Faculty worked with the college to ensure students had access to technology during the shift to online learning (e.g. hotspots).

B. SLOs/SAOs [SLO Committee]:

You should complete ONE of the following three sections. Please choose the option that is most appropriate for your program:

B1: Instructional Programs with PSLOs

B2: Instructional Programs without PSLOs or with Special Circumstances

B3: Non-Instructional Programs

Skip to the section you chose. If you are not sure which option to pick, contact the SLO Committee Chair or Program Review Committee Chair for assistance.

B1: Instructional Programs with PSLOs

In this year's Program Review, and in support of Accreditation, we would like a snap-shot on how your program plans to collect, discuss and report assessment findings to develop best practices for teaching and student learning ("closing the loop").

As a program, please select one PSLO for a degree or certificate to focus on. This PSLO should reflect one area of your program that you would like to investigate in depth. For example, your selection may focus on an area to improve student success, to update pedagogy, equity issues, or to examine a new degree/certificate, etc.

In this section, describe your plan for assessment data to be collected, analyzed and discussed, and reported out in next year's Program Review. Your plan should identify the CSLOs that feed into your selected PSLO so that a complete data set is collected. You may choose to do this over one or two semesters. In next year's Program Review, you will be asked to summarize your SLO assessments, analysis of those findings, and proposed changes that may be implemented to improve teaching and student learning.

For assistance with these questions, contact the SLO Committee Chair. [<https://bit.ly/3fY7Ead>]

B1a. In the space below, insert the complete wording of the PSLO and potential reason(s) for selecting it for analysis.

Upon completion of the AA in Environmental Studies, students are able to analyze natural phenomena using fundamental scientific principles in the physical and biological sciences.

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B1b. In the table below, list the CSLOs that feed up to the identified PSLO and check the semester or semester(s) that the CSLO will be assessed and data entered into eLumen. (If this different than the submitted SLO template plan, please update and resubmit the template plan. Send the updated template to mwiest@laspositascollege.edu and ahight@laspositascollege.edu)

Complete Name of CSLO	Fall 2020	Spring 2021	Summer 2021
• Upon completion of EVST 5, students should be able to evaluate energy efficiency in residential spaces and develop a plan to reduce energy use and cost.			
• Upon completion of EVST 5, students should be able to explain scientific principles and economic factors underlying commercial methods of energy generation (e.g., fossil fuels, solar, wind).	X	X	
• Upon completion of EVST 5, students should be able to explain the practical meaning of sustainably in terms of climate change and environmental degradation on a planet with limited resources and a growing population.	X	X	
• Upon completion of BIO 40, students should be able to analyze and critically evaluate environmental information from various sources, and present their findings.			
• Upon completion of BIO 40, students should be able to discuss environmental problems, their causes and evaluate solutions.	X	X	
• Upon completion of BIO 40, students should be able to explain basic principles of ecology involving energy flow, cycling of matter, interactions within and between populations and assess the impact of humans on the biosphere.	X	X	

B1c. When will analysis and discussion of the assessment data be completed (during next year’s Program Review is an option)? The reporting out of the “closing the loop” analysis will be part of next year’s Program Review.

<p>Environmental Studies Instructors from Physics, Biology, and Chemistry will meet Fall 2021 to discuss the SLO results from the 2020- 2021 school year. These results will be reported out in the 2021 program review.</p>

B2: Instructional Programs without PSLOs or with Special Circumstances

If your department does not have PSLOs, you may choose one CSLO to focus on. This option may also be used if there is a strong departmental rationale for focusing on a single CSLO.

As a department, please select a course to focus on. The selected course and one of its CSLOs should reflect an area that you would like to investigate in depth. For example, your selection may focus on a course to improve student success, to update pedagogy, to analyze equity issues, etc.

For assistance with these questions, contact the SLO Committee Chair. [<https://bit.ly/3fY7Ead>]

B2a. In the space below, describe the rationale (such as this is not a degree-granting program, we focus mainly on non-degree courses, etc.)

B2b. In the space below, insert the complete wording of the CSLO and reason(s) for selecting it for analysis.

B2c. In the table below, list the CSLO and check the semester or semester(s) that the CSLO will be assessed and data entered into eLumen.
(If this is different than the submitted SLO template plan, please update and resubmit the template plan. Send the updated template to mwiest@laspositascollege.edu and ahight@laspositascollege.edu)

Complete Name of CSLO	Fall 2020	Spring 2021	Summer 2021

B2d. When will analysis and discussion of the assessment data be completed? (During next year's Program Review is an option.) The reporting out of the "closing the loop" analysis will be part of next year's Program Review.

B3: Non-Instructional Programs

In this year's Program Review, and in support of Accreditation, we would like a snap-shot of how your student service area plans to collect, discuss, and report assessment findings to develop best practices for teaching and student learning ("closing the loop").

Please select one SAO to focus on. This SAO should reflect an area of your program that you would like to investigate in depth. For example, your selection may focus on an area to improve student success, increase best practices, to address equity issues, or to examine a new service/program, etc. The intent is for this section to be useful for reflection to develop best practices for serving students.

For assistance with these questions, contact the SLO Committee Chair. [<https://bit.ly/3fY7Ead>]

B3a. In the space below, insert the complete wording of the SAO and potential reason(s) for selecting it for analysis.

B3b. When and how will this SAO be assessed and data entered into eLumen? (If this different than the submitted template plan, please update and resubmit the template plan. Send the updated template to mwiest@laspositascollege.edu and ahight@laspositascollege.edu)

B3c. When will analysis of the assessment data will be completed (during next year's Program Review is an option)? The reporting out of the "closing the loop" analysis will be part of next year's Program Review.

Section Three: Curriculum Review (Programs with Courses Only)

For assistance with this section, contact the Curriculum Committee Chair. [<https://bit.ly/3fY7Ead>]

The following questions ask you to review your program's curriculum. To see the last outline revision date and revision due date:

1. Log in to CurricUNET
2. Select "Course Outline Report" under "Reports/Interfaces"
3. Select the report as an Excel file or as HTML

A. Title V Updates [Curriculum Committee]: Are any of your courses requiring an update to stay within the 5 year cycle? List courses needing updates below. Reminder: updates to course title or units, and course deactivations, will require updating any program they are associated with. List programs requiring updating in question (B).

NO

B. Degree/Certificate Updates [Curriculum Committee]: Are there any programs requiring modification? List needed changes below.

NO

C. DE Courses/Degrees/Certificates [Distance Education Committee]: Detail your department's plans, if any, for adding DE courses, degrees, and/or certificates. For new DE degrees and/or certificates (those offered completely online), please include a brief rationale as to why the degree/certificate will be offered online.

We are continuing to work on a laboratory course that will meet the laboratory science needs of EVST 5 students. The new course may include curriculum for both EVST 5 and Bio 40 students, or there may be separate labs for both groups. Unfortunately, the current pandemic has curtailed our ability to hold laboratory classes on campus, but we have to be completed with the curriculum for this lab in early Fall 2021.