

PROGRAM REVIEW Fall 2020

Program: Chemistry

Division: STEM

Date: October 31, 2020

Writer(s): Russell Jensen, Michael Ansell

SLO/SAO Point-Person: Russell Jensen

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: _____ Michael Ansell _____

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_____.

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.

Course SLOs were updated for all 7 courses offered by the department in collaboration with the SLO committee. The new SLOs were approved by the SLO committee and entered into eLumen. Program SLOs and assessments are under review and an assessment plan is being formulated.

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				
	Community Partnerships/Outreach		Facilities, Supplies and Equipment, Software		LPC Planning Priorities		Services to Students
	Course Offerings		Financial/Budgetary		LPC Collaborations		SLO/SAO Process
	Curriculum Committee Items		Human Resources		Pedagogy		Student Equity
	External Factors		Learning Support		Professional Development		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/2lYaFu7>

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)

Grade distributions changed drastically in the spring of 2020. In spring semesters between 2016-2019, the average and standard deviation of the grades assigned were:

- A 26 ± 3%**
- B 28 ± 2%**
- C 24 ± 3%**
- D 4.5 ± 1.3%**
- P 0.5 ± 0.5%**

During the spring of 2020:

- A 34%**
- B 31%**
- C 13%**
- D 2%**
- P 4%**

F/NP/I grades and withdrawal rates did not change (although extraordinary withdrawals were not counted separately).

The grade distribution shifted toward a higher percentage of A’s and B’s with fewer C’s assigned in the spring 2020 semester. This could be a result of disproportionately losing C students to extraordinary P/NP or withdrawal options. It could also reflect a change in grading standards by

the faculty being forced to adapt to online instruction on short notice, or to an increase in cheating.

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 checked="" type="checkbox"/>	External Factors	<input type="checkbox"/>	Learning Support	<input type="checkbox"/>	Professional Development	<input checked="" 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.)

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
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<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

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>]

We have moved all of our classes online due to Covid restrictions. We have let students know about technology that is available to help with equity issues. All of our classes meet synchronously so that instructors have a chance to directly interact with students, answer questions, and make sure everyone is involved. Many faculty hold frequent conferences to assess individual needs and challenges.

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.

PSLO's are being drafted at this time.
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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

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.

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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.)

We have recently updated our cSLOs but our pSLOs are still outdated and are not supported by our new cSLOs. We are working on updating our pSLOs.

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

This cSLO will be implemented starting in the spring 2020 semester.

Upon completion of CHEM 1A, students should be able to analyze nature at the atomic scale by applying the concepts of atomic and molecular structure, conservation of energy, chemical equations, bonding models, states of matter, solutions, chemical equilibrium, and gas laws.

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@laspositacollege.edu and ahight@laspositacollege.edu)

Complete Name of CSLO	Fall 2020	Spring 2021	Summer 2021
Chem 1A Lecture SLO		X	

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.

During 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.

NA

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)

NA

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.

NA

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).

All of our courses were updated in the Spring of 2020 and then DE Addendums were completed for all seven classes over the summer 2020.

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

Not Applicable.

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.

NA