



Skyline College

Program Review Update

2024-2025

SKY Dept - Earth Sciences/
Environmental Science

Jessica Hurless

A handwritten signature in black ink, appearing to read 'Jessica Hurless'.

12/10/2024

SKY Instructional Program Review Update

Submitter Name:

Carina Anttila-Suarez

Submitter Date:

11/15/2024

DIVISION:

Science, Technology, Engineering, and Mathematics (STEM)

PROGRAM NAME:

Earth Sciences/ Environmental Science

YEAR OF REVIEW:

2024-2025

1. STUDENT LEARNING OUTCOMES

What notable conclusions were drawn from the assessment results? If available, note any differences in assessment results by key disaggregations (e.g. modality, learning communities, etc.). What have been the implications for the program? Specific questions to answer in your response:

i. What percentage of course SLOs have been assessed in the last three years?

Number of Course SLOs:

48

Percentage:

54.2

ii. Which course(s) were assessed in the last three years?

ENVS 100, 101, GEOL 100, 101, 106, 210 OCEAN 100, 101

iii. Degree-bearing programs are expected to assess Institutional SLOs, ideally during each ISLO's featured year. List which course(s) were assessed for which ISLOs in the last three years.

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iv. Drawing from course and institutional SLOs results, what notable conclusions were drawn? Which results led to action(s) that were planned or taken, if any, to enhance student learning in those courses?

The majority of SLO were met in the courses assessed. Update of these SLOs are now needed. Courses that were not assessed include Geology 210 and 220. This data was suppose to be collected by an adjunct faculty that went out ill mid-semester. Geology 100 had only 1 SLO assessed by an adjunct faculty and Geology 105 was not assessed hence do not have complete assessment. ENVS 191, 192, 193, 400, 491, 492 are courses being deactivated so no data is available.

2. CURRICULUM

Please indicate whether the following tasks have been completed:

Submitted a current assessment calendar with all active courses to the Office of Planning, Research, and Institutional Effectiveness

Yes

Updated the Improvement Platform with new and/or changed SLOs, after approval by the Curriculum Committee

Yes

SKY Dept - Earth Sciences/ Environmental Science

Updated the program website with new and/or changed PSLOs after they are published in the College Catalog
Not Applicable

Reviewed, updated (as needed), and submitted degree and certificate maps to the Curriculum Committee
Not Applicable

3. ADDITIONAL INFORMATION

Please note anything else that has not been captured above that is relevant to program accomplishments, challenges, and resource needs. Explain and document your response as needed.

Sustainability coordinator was hired by the district in 2021 and they handle issues for all 3 campuses

Goals & Resource Requests

Living Labs

Increase teaching on campus and living labs would involve help previously promised from facilities, including wiring data boards for new environmental science building. While the building is fully functional for lecture and labs the data boards have never been bought by the administration or installed by facilities. A campus living lab will allow students to directly understand how their learning environment impacts the use of energy, resources, and generates pollution. A well-devised living lab will allow courses to compare individual buildings on campus for energy consumption compared to the age of the building and its LEED designation.

Year Initiated

2024 - 2025

Implementation Step(s) and Timelines

The District Sustainability Manager must provide access to the data he gathers, either in an online format or with installation of display boards that have been requested in buildings such as the ENVS Building 12.

Mapping

- SKY College Values: (X - Selected)

- **Sustainability:** undefined (X)

- SKY Strategic Goals: (X - Highlight Selected)

- **Increased Student Enrollment:** Increase student enrollment by being responsive to communities we serve (X)
- **Student Support and Resources:** Ensure that all students have the support and resources needed to achieve their educational goals (X)
- **Thriving Environment:** Foster a thriving learning and work environment (X)

STATUS

Goal Status Date

12/04/2024

Academic Year Updated

2024 - 2025

Goal Status

On Hold

Goal Status Narrative

No information from facilities on status of Living Lan BOARDS IN BUILDING 12 or on campus

Increase Graduates

Increase graduates of AS-T in Environmental Science and Geology. Currently we have none. A full time faculty member is needed to spearhead interest and have disciplinary expertise in our program AS-T courses. In the last 5 years there have been no graduates in the program. The desire is to have 5-10 in the next two academic year.

Year Initiated

2024 - 2025

Implementation Step(s) and Timelines

By hiring an additional full time faculty, that person could work closely with Carina Anttila-Suarez and MCPR to develop and promote the degree program. This involves working with marketing and reaching out to SFSU to ensure our program prepares students for their 4-year degree programs. We also need to develop some marketing campaigns to promote awareness of the degree options for entering students and possibly dual enrollment. We will need to seek the help of our counselors, transfer center staff, and marketing staff. Increase opportunities for student environmental and sustainability projects, beginning in 2022 with the return to campus.

Mapping

12/9/2024

Generated by Nuventive Improvement Platform

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Goals & Resource Requests

- SKY College Values: (X - Selected)

- **Social Justice:** undefined (X)
- **Student Success and Equity:** undefined (X)
- **Sustainability:** undefined (X)

- SKY Strategic Goals: (X - Highlight Selected)

- **Increased Student Enrollment:** Increase student enrollment by being responsive to communities we serve (X)

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2024 - 2025

Resource Type

Faculty Position (permanent)

Resource Name

EARTH SCIENCES FACULTY

Resource Description

DESCRIBE- NUMBER OF COURSES REQUIRED FOR THE DEGREE

Funds Type – Mark all that apply.

Recurring Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor's Office.

RATIONALE

FOR ADMINISTRATIVE USE ONLY

Removal Of Courses Not Required For Climatecorps Program Or Not Taught At Skyline College

Removal of ENVS 192, 193, 491, 492 after the Climatecorps program moved to UC Berkeley. In addition, other course must be made inactive if they will no longer be taught.

Year Initiated

2024 - 2025

Implementation Step(s) and Timelines

1. Identify these to the Dean for deactivation and/or removal
2. Inform Curriculum Committee about deactivation and/or removal of ENVS 192, 193, 491 AND 492
3. Assess if course not held in last 3 years should be deactivated.