Annual Assessment Report 2023-2024

BA Science, Technology, & Society

Department of Philosophy

College of Letters, Arts, & Social Sciences

CONTACT
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Name of Person Completing Report Peter Ross

DISCIPLINARY ACCREDITATION No

DEVELOPMENT AND DOCUMENTATION OF STUDENT LEARNING OUTCOMES
How were the program's SLOs developed? (select all that apply)
  o   We do not have disciplinary accreditation but drew from our disciplinary/professional organizations, and developed our SLOs as a program/department.

Other than the CPP Catalog and the Office of Assessment and Program Review website, where else are your SLOs published? Select all that apply.
- Department Website - provide URL: https://www.cpp.edu/class/science-technology-society/index.shtml

ASSESSMENT ACTIVITIES IN 2023-2024

This section provides the opportunity for programs to share and discuss assessment activities conducted in **AY 2023-2024.** This includes data collection, rubric development, data analysis, discussion of findings, development or implementation of closing the loop improvement strategies, update of your assessment plan and/or curriculum matrix, etc.

How many total SLOs does your program assess according to your assessment plan?
- 7

How many SLOs did your program assess this past year in 2023-2024?

- My program assessed SLOs in AY 2023-2024 (e.g., artifact collection, scoring, closing the loop, etc.).

Please list the SLOs examined

- SLO #1: Students demonstrate scientific literacy
- SLO #2: Students show developed ability to place particular developments in science and technology in historical context
- SLO #3: Students show developed ability to place particular developments in science and technology in social and cultural context
- SLO #4: Students show developed ability to critically evaluate normative considerations relevant to science and technology

Student Learning Outcome (SLO): Students demonstrate scientific literacy

Assessment Activities	Evidence Used	Evaluation and Interpretation of Evidence
• Collected/Analyzed/Developed/Modified/Discussed assessment tools	• Assignment/exam/paper completed as part of regular coursework (Direct) • Capstone product (e.g., project, senior thesis, etc.) (Direct)	• Used rubric or scoring guide
• Closing the loop (e.g., investigated other pressing issues related to SLO achievement, change course sequence, etc.). Please explain: Changed courses required for the Major.		
• Other, please explain: Modified rubrics for SLOs.		

Findings			
N of Artifacts	Criterion Used	Goal Met	Eye-opening Result
26	80% at "proficient" or above on at least 3 of the 4 criteria in the rubric.	Yes	Students need help with writing citations.

Student Learning Outcome (SLO): Students show developed ability to place particular developments in science and technology in historical context

Assessment Activities	Evidence Used	Evaluation and Interpretation of Evidence
• Collected/Analyzed/Developed/Modified/Discussed assessment tools	• Assignment/exam/paper completed as part of regular coursework (Direct) • Capstone product (e.g., project, senior thesis, etc.) (Direct)	• Used rubric or scoring guide
• Closing the loop (e.g., investigated other pressing issues related to SLO achievement, change course sequence, etc.). Please explain: Changed courses required for the Major.		
• Other, please explain: Modified rubrics		

Findings			
N of Artifacts	**Criterion Used**	**Goal Met**	**Eye-opening Result**
9	80% at "proficient" or above on at least 3 of the 4 criteria in the rubric.	No	The results with respect to historical context were better than for cultural and normative contexts (next SLOs)

Student Learning Outcome (SLO): Students show developed ability to place particular developments in science and technology in social and cultural context

Assessment Activities	Evidence Used	Evaluation and Interpretation of Evidence
• Collected/Analyzed/Developed/Modified/Discussed assessment tools	• Assignment/exam/paper completed as part of regular coursework (Direct) • Capstone product (e.g., project, senior thesis, etc.) (Direct)	• Used rubric or scoring guide
• Closing the loop (e.g., investigated other pressing issues related to SLO achievement, change course sequence, etc.). Please explain: Changed requirements for the Major.		
• Other, please explain: Modified rubric		

Findings			
N of Artifacts	Criterion Used	Goal Met	Eye-opening Result
9	80% at "proficient" or above on at least 3 of the 4 criteria in the rubric.	No	How infrequently students discussed cultural context.

Student Learning Outcome (SLO): Students show developed ability to critically evaluate normative considerations relevant to science and technology

Assessment Activities	Evidence Used	Evaluation and Interpretation of Evidence
• Collected/Analyzed/Developed/Modified/Discussed assessment tools	• Assignment/exam/paper completed as part of regular coursework (Direct) • Capstone product (e.g., project, senior thesis, etc.) (Direct)	• Used rubric or scoring guide
• Closing the loop (e.g., investigated other pressing issues related to SLO achievement, change course sequence, etc.). Please explain: Changed requirements for the Major.		
• Other, please explain: Modified rubric		

Findings			
N of Artifacts	Criterion Used	Goal Met	Eye-opening Result
9	80% at "proficient" or above on at least 3 of the 4 criteria in the rubric.	No	How infrequently students discussed ethical context--this was very eye-opening.

IMPROVING THROUGH ASSESSMENT

Overall, what best describes how the program used the results in 2023-2024? Select all that apply.
- Assessment procedure changes (SLOs, curriculum matrix, rubrics, evidence collected, sampling, communications with faculty, etc.)
- Program curricular changes (e.g., course sequencing, changes to required curriculum, added or deleted courses)

Ideas to improve student learning can come from different constituents. With whom did the program discuss assessment planning and/or share results during AY 2023-2024? Select all that apply.
- Program/department assessment committee
- Advisory board(s): Science, Technology, and Society Advisory Board
- Students

The past academic year posed both challenges and opportunities. Please share any assessment discoveries (e.g., insights about assessment procedures, great achievements, etc.) regarding program assessment in 2023-2024 so that others may learn from your experiences.

The SLOs provided a lens to systematically consider aspects of the program. For example, the SLO with respect to normative considerations of science and technology provided this lens, and assessment made us see that students' background in ethics is lacking.

Please share how the program triangulates various data sources to determine student success. Consider assessment findings, CPP's GI2025 markers, CSU Dashboard, CPP's Student Success Dashboard on Tableau, CPP's Graduating Senior Survey on Tableau, course evaluations, etc.

We used direct data sources (student papers for class assignments).

Does the program offer a certificate or credential (e.g., teaching credential)?
- No

The most current assessment plan and curriculum matrix we have on file for your program may be found <u>here</u>. To ensure we have the most updated assessment plan and curriculum matrix for your program, and for posting on our website, please upload the following documents:

Assessment Plan - Yes

Curriculum Matrix - Yes

If you would like us to review other assessment documents such as your evidence (e.g., assignment, survey, interview questions etc.) or scoring rubric, please upload/provide them. (Select all that apply)
- Rubric
- Other: <u>assessment report</u>