



Annual Assessment Report 2020-2021

MS Geology Geological Sciences College of Science

CONTACT

Name of Program Assessment Lead Stephen Osborn

Name of Person Completing Report Stephen Osborn

DISCIPLINARY ACCREDITATION No

DEVELOPMENT AND DOCUMENTATION OF STUDENT LEARNING OUTCOMES

How were the program's SLOs developed? (select all that apply)

- ☐ We do not have disciplinary accreditation but drew from our disciplinary/professional organizations, and developed our SLOs as a program/department.
- ☐ We developed them as a program/department using our own knowledge and expertise of the field.

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/sci/geologicalsciences/index.shtml>
- Course Syllabi
- Brochures or other printed material

ASSESSMENT ACTIVITIES IN 2020-2021

This section provides the opportunity for programs to share and discuss assessment activities conducted in **AY 2020-2021**. 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?

- 8

How many SLOs did your program assess this past year in 2020-2021?

- My program assessed SLOs in AY 2020-2021

Please list the SLOs examined

- SLO #1: Synthesize details of published Geoscience literature and present oral synopsis to graduate peers and faculty
- SLO #2: Develop and present scientific proposal for Master's thesis
- SLO #3: Defend results of Master's thesis research with a formal oral presentation to graduate peers and thesis committee

Student Learning Outcome (SLO): SLO 1: Synthesize details of published Geoscience literature and present oral synopsis to graduate peers and faculty

Assessment Activities	Evidence Used	Evaluation and Interpretation of Evidence
<ul style="list-style-type: none"> Created/modified/discussed assessment procedures (e.g., SLOs, curriculum matrix, mechanism to collect student work, rubric, survey, etc.) 		
<ul style="list-style-type: none"> Collected direct evidence (e.g., student work, exam items, etc.) Scored direct evidence of student learning 	<ul style="list-style-type: none"> Oral performance (e.g., presentation, defense, conference presentation etc) 	<ul style="list-style-type: none"> Used rubric or scoring guide
<ul style="list-style-type: none"> Discussed assessment results to make program decisions to improve SLO achievement (e.g., design new course, modify assignments, etc.) 		

Findings			
N of Artifacts	Criterion Used	Goal Met	Eye-opening Result
8. this was from our advanced topics seminar class.	Average score	there were mixed results. Several students mastered the SLO. the majority were at developing.	more graduate students should meet the mastery level. I've prepared new curriculum on reading and interpreting scientific journals to add to lecture.

Student Learning Outcome (SLO): SLO 2: Develop and present scientific proposal for Master's thesis

Assessment Activities	Evidence Used	Evaluation and Interpretation of Evidence
<ul style="list-style-type: none"> Created/modified/discussed assessment procedures (e.g., SLOs, curriculum matrix, mechanism to collect student work, rubric, survey, etc.) 		
<ul style="list-style-type: none"> Collected direct evidence (e.g., student work, exam items, etc.) Scored direct evidence of student learning 	<ul style="list-style-type: none"> Assignment/exam/paper as part of regular coursework 	<ul style="list-style-type: none"> Used rubric or scoring guide

Findings			
N of Artifacts	Criterion Used	Goal Met	Eye-opening Result
1	Average score	Yes	Well written proposal document

Student Learning Outcome (SLO): SLO 3: Defend results of Master's thesis research with a formal oral presentation to graduate peers and thesis committee

Assessment Activities	Evidence Used	Evaluation and Interpretation of Evidence
<ul style="list-style-type: none"> Collected direct evidence (e.g., student work, exam items, etc.) Scored direct evidence of student learning 	<ul style="list-style-type: none"> Oral performance (e.g., presentation, defense, conference presentation etc) 	<ul style="list-style-type: none"> Used rubric or scoring guide

Findings			
N of Artifacts	Criterion Used	Goal Met	Eye-opening Result
2	Average score	Yes. Both assessment met mastery level	None

IMPROVING THROUGH ASSESSMENT

Overall, what best describes how the program used the results in 2020-2021? Select all that apply.

- Course-level changes (e.g., syllabus, content, pedagogy)
- Results indicated no action needed because students met expectations

Ideas to improve student learning can come from different constituents. With whom did the program discuss assessment planning and/or share results during AY 2020-2021? Select all that apply.

- Program/department faculty as whole
- College assessment committee
- 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 2020-2021 so that others may learn from your experiences.

The past year was definitely challenging because of the pandemic. However, we did collect some assessment data (more than the previous year). We need to do more in 21-22. We are in discussions this year about that. I've also standardized what assessment data is turned in by faculty with a prepared form.

CPP's GI2025 goals focus on eliminating equity gaps. What plans do you already implement, or would implement to support the campus' diversity, equity, and inclusion (DEI) efforts? (e.g., planned or current disaggregation of assessment data by race/ethnicity, etc.)

This was one of our action items for our program review (completed last year). We are in consultation this year to address.

The most current assessment plan and curriculum matrix we have on file for your program may be found [here](#). 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 No

Curriculum Matrix No