Date: 07/23 | Program Name: Environmental Science/Environmental Management | CIP Code: 03.0104 | Department: ENV

Domain	Program-Level Student Learning Outcome (From ALC or ALP)	Year 1 2024-2025	Year 2 2025-2026	Year 3 2026-2027	Year 4 2027-2028	Year 5 2028-2029
Content	Demonstrate content knowledge in geography, geology, and environmental science		**Data Collection**: Gather baseline data in courses that introduce content knowledge from exams and baseline data from core required upper level courses that reinforce content knowledge. Department faculty reflect on findings and decide on improvement plan.	**Improvement Plan**: Implement improved introductory interventions (workshops, recitations, HIPs, course modifications). **Follow-Up Assessment - Data Collection**: Assess data that reinforce content knowledge from core required upper level courses that reinforce content knowledge to assess improvement from previous year.		
Communication	Demonstrate effective technical writing and presentation skills			**Data Collection**: Gather baseline data from courses that assess experimental knowledge using assignments. Department faculty reflect on findings and decide on improvement plan.	**Improvement Plan**: Implement improvement plan and interventions. **Follow-Up Assessment - Data Collection**: Follow-up assessment from courses that assess experimental knowledge to evaluate impact of improvement plan.	
Critical Thinking	Critically apply the models and techniques of scientific research in the geo- or environmental sciences, including the use of literary, field, or laboratory methods				**Data Collection**: Gather baseline data from courses that require report or presentation. Use rubric to assess baseline performance. Department faculty reflect on findings and decide on improvement plan.	**Improvement Plan**: Implement communication improvement plan and interventions (workshops, recitations, HIPs, course modifications). **Follow-Up Assessment - Data Collection**: Assess communication performance using rubric from courses that require paper report or presentation.
Integrity / Values	Demonstrate general scientific principles of integrity in reports, proposals, and other documents and behavior.	**Improvement Plan**: Modify assessment method. **Follow-Up Assessment - Data Collection**: Assessment of ethical behavior by students with new method to evaluate both the new method and ethical behavior of students.				**Data Collection:** Assessment of ethical behavior by students either with 2019-2020 assessment approach or modified approach. Department faculty reflect on findings and decide on improvement plan.

Assessment Activity (Examples)
Gather baseline data
(Revise rubric; gather data)
Implement actions for improvement
Follow-up assessment (impact data)

Revised 30 July 2019

Methods of Assessment

Direct Measures:
Exam questions
Student paper (rubric)
Presentation (rubric)

Indirect Measures:
Focus group
Exit interview
Alumni survey

External Direct Measures:
Supervisor/Employer feedback
External Professional Exam