

Assessment Plan

Date: August 2023 Program Name: GIS Certificate

CIP Code: None

Department: Earth and Environmental Sciences

Domain	Program-Level Student Learning Outcome	Year 1 2023-2024	Year 2 2024-2025	Year 3 2025-2026	Year 4 2026-2027	Year 5 2027-2028
SLO#1	Design maps that are fit-for-purpose and effectively convey the information they are intended to by following fundamental cartographic principles. (Content)	Data Collection: Gather baseline data from courses that introduce, reinforce, and master map design. Measure - Lab assignments, final projects, and final GIS portfolio. Reflect on findings and develop an improvement plan.	Improvement plan: Implement actions for improvement and complete a Follow-up assessment on those improvements with Data collection: gather data from improved courses to evaluate the impact of improvements plan.			
SLO#2	Demonstrate proficiency of techniques for spatial data analysis. (Critical Thinking)		Data Collection: Gather baseline data from courses that introduce, reinforce, and master communication. Measure - Lab assignments, final projects, and final GIS portfolio. Reflect on findings and develop an improvement plan.	Improvement plan: Implement actions for improvement and complete a Follow-up assessment on those improvements with Data collection: gather data from improved courses to evaluate the impact of improvements plan.		
SLO#3	Effectively communicate processes and solutions to the public or intended audience using various outlets and tools. (Communication)				Data Collection: Gather baseline data from introductory and advanced courses. Measure - Quizzes, Lab assignments, final projects, and final GIS portfolio. Internship supervisor feedback. Reflect on findings and develop an improvement plan.	Improvement plan: Implement actions for improvement and complete a Follow-up assessment on those improvements with Data collection: gather data from improved courses and Internship course supervisors to evaluate the impact of improvements plan.

Assessment Activity (Examples)

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

Direct Measures:

Exam questions
Student paper (rubric)
Presentation (rubric)

Methods of Assessment

Indirect Measures:

Focus group
Exit interview
Alumni survey

External Direct Measures:

Supervisor/Employer feedback
External Professional Exam

Updated: August 25, 2023