

Assessment Plan

Date: August 25, 202 Program Name: Graduate GIS Certificate

CIP Code: None

Department: Earth and Environmental Sciences

		Year 1	Year 2	Year 3	Year 4	Year 5
		2023-2024	2024-2025	2025-2026	2026-2027	2027-2028
Domain	Program-Level Student Learning Outcome					
SLO#1	Design maps that are fit-for-purpose and effectively convey the information they are intended to by following fundamental cartographic principles	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	Effectively communicate processes and solutions to the intended audience using appropriate media		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	Demonstrate theoretical knowledge of techniques for spatial data analysis				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: 8/25/2023