

Standing Requirements

SLO/Performance Indicator

Geospatial Technology Outcome Set

1. Geospatial knowledge

The graduate will use core geospatial knowledge to effectively function in the role of a geospatial practitioner.

Performance Indicator	Mapping
1a. Describe workflow processes in government and businesses that apply to geospatial technology	Lakeland Learning Outcomes: 10, 11, 19, 4, 5
1b. Apply knowledge of human and physical geography and urban systems	Lakeland Learning Outcomes: 12b, 18a, 18b, 19, 4, 5, 6a, 6b, 7

2. Geospatial technology tools

The graduate will apply geospatial technology tools to effectively manage projects.

Performance Indicator	Mapping
2a. Demonstrate basic geospatial technology skills.	Lakeland Learning Outcomes: 14, 15a, 15b, 16
2b. Use the technology best suited to the project.	Lakeland Learning Outcomes: 14, 16, 17, 7
2c. Create digital and hard copy map production	Lakeland Learning Outcomes: 10, 11, 12, 12b, 17, 8a, 8b
2d.	Lakeland Learning Outcomes: 10, 11, 12, 12b, 13,

Document projects and methods used.

15b, 17, 9a, 9b

3. Spatial databases

The graduate will use spatial databases in an effective manner.

Performance Indicator	Mapping
3a. Create spatial databases.	Lakeland Learning Outcomes: 14, 15a, 15b, 16, 17
3b. Design spatial databases.	Lakeland Learning Outcomes: 15a, 15b, 16, 17, 6a, 6b, 8a, 8b
3c. Manage spatial databases.	Lakeland Learning Outcomes: 14, 15a, 15b, 16, 17
3d. Acquire spatial databases.	Lakeland Learning Outcomes: 14, 15a, 15b, 16, 6a, 6b, 7, 8a, 8b
3e. Implement quality measures related to spatial databases.	Lakeland Learning Outcomes: 14, 15a, 15b, 16, 17, 8b

4. Critical thinking

Demonstrate critical thinking skills related to geospatial technology.

Performance Indicator	Mapping
4a. Analyze spatial and non-spatial data.	Lakeland Learning Outcomes: 14, 15a, 15b, 16, 17, 4, 5, 6a, 6b, 7, 8a, 8b
4b. Interpret spatial and non-spatial data.	Lakeland Learning Outcomes: 4, 5, 6a, 6b, 7, 8a, 8b
4c. Choose and integrate appropriate tools for data manipulation and analysis.	Lakeland Learning Outcomes: 14, 15a, 15b, 16, 17, 7, 8a, 8b

5. Communication

Communicate geospatial information and data in effective manner.

Performance Indicator	Mapping
5a. Effectively communicate the broad goals of the project.	Lakeland Learning Outcomes: 10, 11, 12, 12b, 9a, 9b
5b. Present the project in a logical, clear manner.	Lakeland Learning Outcomes: 10, 11, 12, 12b, 13, 21, 9a, 9b
5c. Produce cartographic output.	Lakeland Learning Outcomes: 10, 11, 12, 12b, 14, 15a, 15b, 16, 17, 9b

6. Professionalism

Exhibit professional behaviors needed to function effectively in geospatial technology.

Performance Indicator	Mapping
6a. Demonstrates personal effectiveness competencies essential to the role of the geospatial technology practitioner.	Lakeland Learning Outcomes: 1, 13, 18a, 18b, 19, 2, 20a, 20b, 21, 3, 9a, 9b
6b. Demonstrate the ability to function effectively as a team member.	Lakeland Learning Outcomes: 18a, 18b, 19, 20a, 20b, 21, 3
6c. Demonstrate professional accountability through application of ethical standards.	Lakeland Learning Outcomes: 17, 19
6d. Explain the public and private career opportunities in the geospatial science field.	Lakeland Learning Outcomes: 14, 18a, 5

Last Modified: 12/09/2011 10:17:12 AM