

Standing Requirements

SLO/Performance Indicator

Geography & Geospatial Outcomes (Oct 2018)

Geographic and Spatial Principles

Graduates will apply spatial reasoning to their understanding of geography.

Performance Indicator	Mapping
1.1 Describe and discuss fundamental patterns of regional and thematic geography in relation to human and physical systems.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 17, 18a, 18b, 19, 4, 5, 6a, 8b
1.2 Identify and describe spatial aspects of regions, including processes of distribution and location and the impact of those processes on people.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 17, 18a, 18b, 19, 4, 5, 6a, 8b
1.3 Identify and locate places on maps, world regions, countries, cities and physical features around the world.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 1, 14, 17, 4, 5, 6a, 7, 8a
1.4 Describe the linkages between societies and environments around the world.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 17, 18a, 18b, 19, 4, 5
1.5 Analyze the implications of global change for local and regional geographic conditions.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 17, 18a, 18b, 19, 4, 5, 8b
1.6 Describe and discuss linkages between local and global environmental problems.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 17, 18a, 18b, 4, 5, 8b
1.7 Apply geographic knowledge to analyze regional conflict and the significance of global political change on regions.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 17, 18a, 18b, 4, 5, 8b

Basic Geospatial Technology Skills

The graduate will apply fundamental geospatial knowledge to problem solving in further education or a career.

Performance Indicator	Mapping
2.1 Select the technology and data best suited to the problem or project.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 14, 16, 17, 7
2.2 Produce digital and hard copy maps.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 10, 11, 12a, 12b, 17, 8a, 8b
2.3 Document methods used in geospatial projects.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 10, 11, 12a, 12b, 13, 15b, 17, 9a, 9b
2.4 Differentiate between spatial and non-spatial data and their appropriate use in geography.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 10, 11, 12a, 12b, 13, 15b, 17, 9a, 9b
2.5 Describe workflow processes as related to geospatial technology.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 10, 11, 19, 4, 5

Spatial and Non-spatial Data

Graduates will demonstrate effective use of spatial and non-spatial data.

Performance Indicator	Mapping
3.1 Create spatial and non-spatial data.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 14, 15a, 15b, 16, 17
3.2 Acquire spatial and non-spatial data.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 14, 15a, 15b, 16, 17
3.3 Manage spatial and non-spatial data.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 14, 15a, 15b, 16, 17

3.4 Implement quality measures for spatial and non-spatial data.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 14, 15a, 15b, 16, 17
3.5 Design and create spatial databases.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 14, 15a, 15b, 16, 17
3.6 Manage spatial databases.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 14, 15a, 15b, 16, 17
3.7 Implement quality measures for spatial databases.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 14, 15a, 15b, 16, 17
3.8 Interpret metadata for spatial data.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 14, 15a, 15b, 16, 17
3.9 Create metadata for spatial data.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 14, 15a, 15b, 16, 17

Critical Thinking

Graduates will demonstrate critical thinking skills related to geography and geospatial technology.

Performance Indicator	Mapping
4.1 Analyze spatial and non-spatial data.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 14, 15a, 15b, 16, 17, 4, 5, 6a, 6b, 7, 8a, 8b
4.2 Interpret spatial and non-spatial data.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 4, 5, 6a, 6b, 7, 8a, 8b
4.3 Choose and integrate appropriate tools for data manipulation and analysis.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 14, 15a, 15b, 16, 17, 7, 8a, 8b

Communication

Graduates will clearly articulate, discuss, and present geographic information and projects.

Performance Indicator	Mapping
5.1 Effectively communicate the broad and specific goals of projects.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 10, 11, 12a, 9a, 9b
5.2 Present projects in a logical, clear manner.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 10, 11, 12a, 12b, 13, 21, 9a, 9b
5.3 Engage in an exchange of ideas related to the use of geographic and geospatial methods.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 10, 11, 12a, 12b, 13, 21, 9a, 9b
5.4 Produce cartographic output.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 10, 11, 12a, 12b, 14, 15a, 15b, 16, 17, 9b

Professionalism

Exhibit professional behaviors needed to function effectively in a career or in higher education.

Performance Indicator	Mapping
6.1 Demonstrate personal effectiveness competencies required for success in a career or as a student in higher education.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 1, 13, 18a, 18b, 19, 2, 20a, 20b, 21, 3, 9a, 9b
6.2 Function effectively as a team member.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 18a, 18b, 19, 20a, 20b, 21, 3
6.3 Demonstrate professional accountability through the application of ethical standards.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 17, 19
6.4 Explain public and private sector career opportunities in geography and geospatial technology fields.	OH- Lakeland Community College- Learning Outcomes (Copy 3): 14, 18a, 5

Geography Outcome Set

Outcome 1

Students will apply spatial reasoning to their understanding of world regional geography

Performance Indicator	Mapping
1.1 Describe and discuss fundamental patterns of world regional geography.	Lakeland Learning Outcomes: 17, 18a, 18b, 19, 4, 5, 6a, 8b
1.2 Identify and describe spatial aspects of regions, including processes of distribution and location and the impact of those processes on people.	Lakeland Learning Outcomes: 17, 18a, 18b, 19, 4, 5, 6a, 8b
1.3 Identify and locate places on maps, world regions, countries, cities and physical features around the world.	Lakeland Learning Outcomes: 1, 14, 17, 4, 5, 6a, 7, 8a

Outcome 2

Understand the connection between geography and regional economic, political, cultural and environmental problems.

Performance Indicator	Mapping
2.1 Describe the linkages between societies and environments around the world.	Lakeland Learning Outcomes: 17, 18a, 18b, 19, 4, 5
2.2 Analyze the implications of global change for local and regional geographic conditions.	Lakeland Learning Outcomes: 17, 18a, 18b, 19, 4, 5, 8b
2.3 Describe and discuss linkages between local and global environmental problems.	Lakeland Learning Outcomes: 17, 18a, 18b, 19, 4, 5, 8b
2.4 Apply geographic knowledge to analyze	Lakeland Learning Outcomes: 17, 18a, 18b, 19, 4, 5, 8b

regional conflict .

2.5
Understand the significance of global
political change on world regions.

Lakeland Learning Outcomes: 17, 18a, 18b, 19, 4, 5,
8b

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