

exam review

foundations of geospatial analysis

2026.09.30

basic structure of the midterm

- 15 multiple choice (1pt each)
- 1 “matching” section (5 points total)
- 2 short answers (5 points each)

the exam will take place in this room, at your normal class time, on Monday 10/5

you'll have 50 minutes to complete it

then, 25 mins for open lab

basic structure of the midterm

consider flipping through the whole exam when you get it

this may help you prioritize your approach

you don't have to work through it in order

5 mins: what concepts on this list feel unfamiliar?

Maps as arguments	Color schemes/ramps for qual/quant data	Figure-ground relationship
Geographic information systems	Best practices/conventions for GIS file naming	Sequential vs. divergent color schemes and when to use them
The “humpty-dumpty” article by Stan Openshaw	Differences between geographic and projected coordinate systems	Different symbols (e.g., graduated symbols) and when to use them
Key spatial data models (vector/raster) and when to use them	Types of distortion	Basic details about U.S. census (e.g., why it exists, who uses it, what are its units of areal measurement)
Important spatial data formats (e.g., shapefiles, .csv) and when to use them	Important/frequently used kinds of projections	Important vector analysis operations (e.g., buffers, merges, spatial joins)
Qualitative vs. quantitative data	Data classification schemes and when to use them	Cartography and design concepts
Symbolization for different qual/quant data	Table joins	Visual and intellectual hierarchy
	Choropleth maps	

**general
questions?**