

GS407/507 GIS Applications - Lab Portfolio Checklist – Summer 2005

In a neat, professional-looking 3-ring binder that is well labeled (tab dividers are nice), include the following class activities, in the prescribed order:

In-Class / Lab Exercises

- (1) Introduction to Maps (Monmouth Quad)
- (2) In-Class exercise p. 2 of the map projection notes – spatial scales and digital image resolution
- (3) In-Class Exercise: Measuring Great Circle Distances on the Globe
- (4) Map Projection Exercise Using ArcView from Monmouth Quad Data
- (2) Homework: Introduction to Raster Grids and Vector Map Elements
- (6) In-Class Exercise: Geometric Elements and Topology (p. 3 from vector model notes)
- (7) In-Class Exercise: Map Scale / Resolution Problem on p. 4 of the "Vector Data Models" notes
- (8) In-Class Exercise: RMS Calculations (from p. 6 of Vector Data Model notes)
- (9) In-Class Exercise: DEM problem on p. 3 of the "Raster Data Models" notes
- (10) In-Class Exercise: Working with Vector and Raster Data (p. 6-9) in "Raster Data Structure" notes. (Tasks 1, 2, and 3)
- (11) In-Class Exercise: Geoprocessing Functions with ArcView (Spatial Data Editing Notes)
- (12) Class Exercise: Working with Vector and Raster Data (spatial analyst)
- (13) *Using ArcView Spatial Analyst Tutorial*
 - Ex. 1 elev. grid (p. 10)
 - Ex. 1 slope grid (p. 15)
 - Ex 2 Results of distance query (p. 19)
 - Ex. 3 Population Density data chart (p. 21)
 - Ex 3 Population Density map (p. 21)
 - Ex. 4 Extrapolated grid (p. 24)

Getting to Know ArcView Tutorial

****Print out and label (with chap. numbers) all projects from the following chapters in the ArcView Tutorial**** Place this in a separate section at the back of the notebook, have each print out clearly labeled in order of appearance in the tutorial.

Chapter 7
Chapter 8
Chapter 9
Chapter 10
Chapter 11
Chapter 12
Chapter 13
Chapter 14
Chapter 15
Chapter 16
Chapter 17
Chapter 18
Chapter 19
Chapter 20