ES492/592 GIS Applications - Midterm Lab Portfolio Checklist

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

/3 (1) Introduction to Maps (Monmouth Quad)
/5 (2) Introduction to Raster Grids and Vector Map Elements
/1   (3) In-Class Exercise: Spatial Scales and Digital Image Resolution
/1   (4) In-Class Exercise: Measuring Great Circle Distances on the Globe
/5   (5) Map Projection Exercise
/3   (6) In-Class Exercise: Geometric Elements and Topology
/3   (7) In-Class Exercise: Map Scale / Resolution Problem on p. 4 of the "Vector Data Models" /1   (8) In-Class Exercise: RMS Calculations
/2   (9) In-Class Exercise: DEM problem on p. 3 of the "Raster Data Models" notes
/5   (10) Class Exercise: Working with Vector and Raster Data (p. 6-9) in "Raster Data structure"
/3 (11) Introduction to Contouring and Digital Elevation Models (hand out)
/1 (12) Unknown Map Projection Exercise – Newberry Map – What projection is it?
/1 (13) Downloading / Importing DRGs and DEMs from GIS web sources (Monmouth quad)

In-Class / Lab Exercises / Tutorials
/8 pts total   *Using ArcView Spatial Analyst Tutorial*
                (1) Ex. 1 elev. grid (p. 10)
                (2) Ex. 1 slope grid (p. 15)
                (3) Ex 2 Results of distance query (p. 19)
                (4) Ex. 3 Population Density data chart (p. 21)
                (5) Ex 3 Population Density map (p. 21)
                (6) Ex. 4 Extrapolated grid (p. 24)

Getting to Know ArcView Tutorial
Print out all projects from the final chapters in the ArcView Tutorial (on each print out, include the exercise no., your name, and related map information)

Chapter 7   /2
Chapter 8   /3
Chapter 9   /3
Chapter 10   /2
Chapter 11   /3
Chapter 12   /3
Chapter 13   /3
Chapter 14   /3
Chapter 15   /3
Chapter 16   /3
Chapter 17   /3

Total   / 70