ES341 Fundamentals of Geographic Information Systems
REVISED CLASS SCHEDULE (updated Jan. 10, 2013)

TENTATIVE CLASS SCHEDULE: This outline should be considered tentative at best. The following schedule may be modified as class ideas evolve throughout the semester. Note Text Reading Abbreviations below "Price" = Price text, "Clarke" = Clarke text readings

Week	Dates	Class Content/Schedule	Textbook Assignment (author / chapter)	In-Class Exercises / Instructor Assignments
1	Jan 7,9	Class Policies, Introduction to GIS Introduction to ArcGIS Software	Price "Introduction"; Price Ch. 1	-Introduction to Maps (Monmouth Quad) -Map Scaling Problems (p.4 vector notes) -Read Clarke Ch 1 (Introduction)
	Homework assignment – Week 1: Print out all of the course notes available on the class web site and organize them in a three-ring binder. Class note binders will be checked Jan 14.			
2	Jan 14,16	Map Elements; Vector/Raster Data Models	Price Ch. 2-3	-Introduction to Raster Grids and Vector Elements -Intro. to Contouring and Digital Elevation Models -Read Clarke Ch 3 (Data Formats)
3	Jan 23	Map Projections; Coordinate Systems	Price Ch. 11	-Projecting Data in ArcGIS -Read Clarke Ch. 2 (Projections and Scales)
	NO CLASS JANUARY 21, 2013 - Martin Luther King Day **Benchmark Lab Deliverable 1 due by 5 PM, Fri. Jan 25 via Moodle upload**			
4	Jan 28,30	Map Projections (Cont.) Database Functions and Tables	Price Ch. 4-5	-Unknown map projection exercise (Newberry) -Importing data from Web Sources -Making Maps in ArcGIS -Read Clarke Chap 5 (Databases)
5	Feb 4, 6	Database Functions (Cont.), Geoprocessing	Price Ch. 6-7	-Geoprocessing Essentials
	Digital Midterm Lab Portfolio due by 5 PM, Fri. Feb. 8 via Moodle upload			
6	Feb. 11,13	Map Production and Metadata	Price Ch. 3,15	-Working with Map Templates -Read Clarke Ch. 7 (Making Maps)
	Mid-Term Exam, Mon. February 11 **February 15 – Last Day to Drop Without Grade Penalty**			
7	Feb. 18,20	Geocoding	Price Ch. 10,	-Read Clarke Ch. 6 (Spatial Analysis) -Assign Final Project
	Benchmark Lab Deliverable 2 due by 5 PM, Fri. Feb. 22 via Moodle upload			
8	Feb 25,27	Spatial Data Input and Editing	Price Ch. 12-13	-Geometric Elements and Topology (p. 3 Vectors) -RMS Calculation Exercise -Read Clarke Ch. 4 (Data Entry)
9	Mar 4, 6	Raster Analysis / Spatial Analyst	Price Ch. 8	-DEM Problem on p. 3 of "Raster Data" Notes -Introduction to Map Algebra -Read Clarke Ch. 8 (GIS Software Platforms)
	Benchmark Lab Deliverable 3 due by 5 PM, Fri. March 8 via Moodle upload			
10	Mar 11,13	Working with Geodatabases	Price Ch. 14	-Read Clarke (Ch. 9 (GIS Case Studies)
11	Week of Mar 18	**FINAL EXAM – CHECK FINALS SCHEDULE; Final Lab Portfolios and Final Project Due Thursday March 21, 5 PM**		