

## GIS 222-01, Geographic Information Systems, Spring 2007

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## Syllabus for GIS 222 Spring 2007

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 843-3089  
 Office RT116E

DAY	DATE	TOPIC	FACULTY/DISCIPLINE
Wed	<b>January 10</b>	Introduction to GIS and Virtual Globes Lab: Working with Google Earth	C. Ekstrom/ Geology
Wed	17	The Map is not the Territory? Lab. Working with ArcView/ArcGIS 9	P. Ekstrom/Anthro/Soc.
Wed	24	Archeology and GIS Lab: Tiger Data – Map your County	M. Moreland and R. Byrne/ Rel. St.
Wed	31	Map Projections and Data Sources Lab: Rectifying maps	C. Ekstrom/Geology
Wed	<b>February 7</b>	<b>No class – Faculty meeting</b>	
Wed	14	Mapping Memphis Landmark Districts Lab: Geocoding	M. Wilder, M. Sicuro/ Housing and Community Dev, City of Memphis
Wed	21	Field Work with GIS Lab: GPS and GIS, possible field trip	C. Ekstrom/Geology
Wed	28	Memphis Groundwater Problems Lab: buffers, overlays, querying	C. Ekstrom/Geology
Wed	<b>March 7</b>	Census Block Groups Lab: parcels, joining tables Meet with GIS faculty to discuss your project	M. Kirby/ Pol. Sc.
MWF	12-16	<b>No Class - Spring Break</b>	
Wed	21	Spatial Aspects of Competition Quiz	D. Arce/Economics
Wed	28	Virtual Globes revisited	C. Ekstrom/Geology
Wed	<b>April 4</b>	<b>No Class - Easter Recess</b>	
Wed	11	<b>No Class – Faculty Meeting</b>	
Wed	18	Presentations	
Wed	25	Presentations	
Fri	27	GIS Session at URCAS	

### Objectives

The main objective of this one-hour course is to show you the multiple uses of Geographic Information Systems (GIS) and Virtual Globes to answer questions from a variety of disciplines. The team-teaching of this course by faculty from five different departments demonstrates this technology's diverse utility.

Another objective of this course is to give you hands-on experience with ArcGIS, the most widely used GIS application. You will be expected to complete projects (see above) and to generate a GIS project in which you answer a question of your making and present this to the class. Through this activity you will gain a deeper understanding of spatial analysis in answering questions about the world in which you live.

We also hope that you will:

- 1.) Gain a greater appreciation for geography and spatial thinking;
- 2.) Enhance critical thinking and problem solving skills; and
- 3.) Gain a broader understanding of geographic information systems as a field of inquiry.

You will find other course materials on the class folder on the College's Academic Volume Server. The class folder can be found at:

[\\fileserv1\Acad\\_Dept\\_Pgm\Interdisp\\_Stu\GIS\Public\Classes](\\fileserv1\Acad_Dept_Pgm\Interdisp_Stu\GIS\Public\Classes)

### **Other Guidelines**

- Attendance at each class meeting is expected. Each unexcused absence will result in a 1% reduction in your grade.
- Each student must complete all projects
- Work should be completed on time. Late work = 30% grade reduction.
- We expect all students to adhere to the College's Honor Code
- The course coordinator and individual instructors will be happy to discuss your individual progress at any time

### **Grading**

Projects (7).....	70
Quiz .....	5
Presentation.....	<u>25</u>
	100

Specific expectations and due dates will be given in class for the projects and presentations. Grades will be posted on WebCT.

Grades will be awarded as follows:

100-92% .....	A
91.1-90% .....	A-
89.9-88% .....	B+
87.9-82% .....	B
81.9-80% .....	B-
79.9-78% .....	C+
77.9-72% .....	C
71.9%-70.....	C-

**GIS Help Desk** is located in the GIS Lab, in FJ room 132E

The GIS lab assistant is Leah Pranger, [prala@rhodes.edu](mailto:prala@rhodes.edu), phone 252-7419

**GIS Help Desk Hours are: MWF 9-10am, T 3:00-6:30pm, W 11:30-1pm**