## Syllabus for GIS 222  
Spring 2007  

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<table>
<thead>
<tr>
<th>DAY</th>
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<th>TOPIC</th>
<th>FACULTY/DISCIPLINE</th>
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| Wed  | January 10 | 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  | February 7 | No class – Faculty meeting |                                                        |
| 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  | March 7  | Census Block Groups  
Lab: parcels, joining tables  
Meet with GIS faculty to discuss your project | M. Kirby/Pol. Sc.                                     |
| MWF  | 12-16    | No Class - Spring Break |                                                        |
| Wed  | 21       | Spatial Aspects of Competition Quiz | D. Arce/Economics                                     |
| Wed  | 28       | Virtual Globes revisited | C. Ekstrom/Geology                                     |
| Wed  | April 4  | No Class - Easter Recess |                                                        |
| Wed  | 11       | No Class – Faculty Meeting |                                                        |
| 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:

\fileserver1\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...............................25

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, phone 252-7419
**GIS Help Desk Hours are:** MWF 9-10am, T 3:00-6:30pm, W 11:30-1pm