Syllabus for GIS 222 Course  
Spring 2006

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RT116E

<table>
<thead>
<tr>
<th>DAY</th>
<th>DATE</th>
<th>TOPIC</th>
<th>FACULTY/DISCIPLINE</th>
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| Wednesday | 1/11 | The Map is Not the Territory?  
Lab. Working with ArcView/ArcGIS 9 | P. Ekstrom  
Anthro/Soc.                          |
| Wednesday | 1/18 | Finish “Working with ArcView/ArcGIS 9” in class                      | C. Ekstrom                           |
| Wednesday | 1/25 | GIS in Archeology  
Lab: Tiger Data – Map your County | Moreland, Byrne  
Religion                             |
| Wednesday | 2/1  | Map Projections  
Lab: Projections and scales, USGS Data, Google Earth                  | C. Ekstrom  
Geology                               |
| Wednesday | 2/8  | No Class - Faculty Meeting                                          |                                     |
| Wednesday | 2/15 | Infant Mortality in Memphis Zip code 38108  
Lab: Geocoding                     | Dr. Linda Moses  
Memphis City Hospital                |
| Wednesday | 2/22 | GIS in Field Work  
Lab: GPS and rectifying maps                                           | Cappellato, Kesler  
Biology                              |
| Wednesday | 3/1  | Memphis Groundwater problems  
Lab: buffers, census data, joining tables, querying                    | C. Ekstrom  
Geology                               |
| Wednesday | 3/8  | No Class – Faculty Meeting                                          |                                     |
| Wednesday | 3/15 | No Class – Midterm Break                                            |                                     |
| Wednesday | 3/22 | Voting Trends  
Lab: parcels, creating a layer  
Meet with GIS faculty to discuss your project                             | Kirby  
Urban Studies                         |
| Wednesday | 3/29 | Work on Projects                                                     |                                     |
| Wednesday | 4/5  | Work on Projects                                                     |                                     |
| Wednesday | 4/12 | No Class – Faculty Meeting                                          |                                     |
| Wednesday | 4/19 | Project Presentations                                                |                                     |
| Wednesday | 4/26 | Project Presentations                                                |                                     |

Objectives

The main objective of this one-hour course is to show you the multiple uses of Geographic Information Systems (GIS) to answer questions from a variety of disciplines. The team-teaching of this course by faculty from six 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_Department\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
- All work should be completed on time. Late work will not be accepted.
- 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
Presentation............................30
                                      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
There are two GIS assistants:
Lori Holyfield, failr@rhodes.edu, phone 268-8173
Leah Pranger, prala@rhodes.edu, phone 252-7419
GIS Help Desk Hours are:   M: 1-4pm Leah,  T: 3:30-6:30pm Lori and Leah,
                          W: 11-2pm Lori, 2-4pm Leah,  F: 11-2pm Lori.