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GEOL 222-01, Introduction to GIS, Spring 2008

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GIS 222: Introduction to GIS Spring 2008

Instructor: Anna Inman
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Schedule

Jan	9	Introduction to GIS <i>Lab: Overview of ArcGIS</i>
	6	Data Sources <i>Lab: Locating Data Sources on the Internet</i>
	23	Map Projections <i>Lab: Projecting the Earth</i>
	30	Georeferencing Tools <i>Lab: Georectify Shapefiles</i>
Feb	6	Principles of Cartography <i>Lab: Designing a Map</i> * Final Project Topic Due
	13	Geocoding <i>Lab: Geocoding Addresses</i>
	20	Guest Lecturer: Prof. Mike Kirby (Pol. Science) <i>Lab: Tables</i>
	27	Quiz * Discuss Final Project with Instructor
Mar	5	No Class - Spring Break
	12	Guest Lecturer: Prof. Carol Ekstrom (Geology) <i>Lab: Buffers & Intercepts</i>
	19	No Class - Easter Recess
	26	Geodatabases <i>Lab: Building and Maintaining a Geodatabase</i>
Apr	2	Creating Data and Metadata <i>Lab: Design a Shapefile and Write Metadata</i>
	9	GIS in 3-D <i>Lab: Developing a 3-D Model</i>
	16	Presentations
	23	Presentations

Objectives

The primary goal of this course is to introduce you to the basic principles of geographic information science (GIS). GIS is used in countless fields to answer problems that are geographic in nature, and representatives from many of these disciplines will be here during the semester.

Additionally, this course is intended to teach you how to use ArcGIS, the most commonly used GIS application in the United States. The ArcGIS software package consists of several components, many of which we will use in various lab projects. You will use ArcGIS to complete lab projects, as well as to develop your final project.

Guidelines

- Attendance is mandatory. Each unexcused absence will result in a 1% reduction in your grade.
- All projects must be completed, and work must be finished on time. Late work = 30% grade reduction.
- Students are expected to adhere to the Rhodes College Honor Code.

Grading

Lab Work	70
Quiz	10
<u>Final Project</u>	<u>20</u>
	100

Grades will be awarded as follows:

100-92%	A
91-90	A-
89-88	B+
87-82	B
81-80	B-
79-78	C+
77-72	C
71-70	C-

Additional Information

The GIS Help Desk is located in the GIS Lab, FJ 132E.