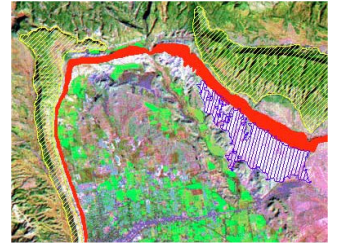


Special GIS Course

“Working with Geomedia Pro and Geomedia Grid”

Dr. Sonny Dawsey will offer a special course introducing several powerful software tools in the area of Geographic Information Systems (GIS). The Geomedia suite of products, produced by Intergraph Corporation, is widely used by government and private agencies to perform many tasks including: general spatial analysis, utility systems management, transportation studies, land use control, industrial location, and many others.



Course Objectives:

The primary objective of the course is to explore analytical and problem-solving techniques in GIS while introducing students to Geomedia-Professional and Geomedia-Grid. Though not as pervasive as the ESRI software (ArcView, ArcInfo, etc.) Geomedia is a major industry standard used by many planning agencies, municipal governments, and transportation companies. Secondary objectives include: improve the understanding of and skills in GIS, extend familiarization with data formats, increase problem conceptualization and solving skills, etc.

Course Contents:

GIS basics; Working with coordinate systems; Data warehouses; Geo-referencing; Query filters; Feature labels; Map layout; Exporting data; Raster imports; Raster analysis using GRID; Land use classification; DEMs and DLGs; and other topics depending on the interests of the students.

Advantages to the Student:

This course is designed to complement rather than be a substitute for other GIS courses offered in the Geography Program and elsewhere on campus. Though no previous study or experience with GIS is required, it is expected that students will have taken, or will plan to take other courses in which ESRI software is used. “Working with Geomedia Pro and Geomedia Grid” will provide a broadening experience for students interested in GIS and should improve their position in the job market upon graduation.

Software Availability:

Through a special grant from Intergraph Corporation, all students will be given, free of charge, copies of the latest version of Geomedia-Professional to install on their personal computers. For more information on the software go to: <http://imgs.intergraph.com/gmpro/>

Course Location and Schedule:

All classes will be in the GIS Laboratory (102 A) in Petrie. 9:30 - 10:45 A.M. on Tuesdays and Thursdays, Spring semester, 2006.

How to Enroll:

Undergraduates: Sign up for the 3-credit hour course: Seminar in Geography: Geog-5970. Spring term.

Graduate students: Sign up for the 3-credit hour course: Seminar in Geography: Geog-6970. Spring term.

Questions:

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