Course Title

GIS (Geographic Information Systems) I: Introduction to ArcView 3.1 and ArcGIS 8.1

Description

This is a beginner’s class on how to use GIS for mapping. Students will receive training on how to use ArcView 3.1 and ArcGIS 8.1 and the differences and advantages of each.

What is GIS?

GIS (Geographic Information Systems) is a computerized system designed to represent, illustrate and map lines (such as canals, streets), areas (such as fields, parks), and points (such as gates, valves, pump stations). GIS maps are based on real world coordinates. “Attribute” information on these features (size of fields, lengths of canals) can be stored and processed for analysis.

Who should attend this class?

People involved in management, planning, and maintenance of facilities (such as irrigation districts, cities, utilities) or anyone interested in learning more about GIS equipment and mapping. Prior experience with GIS or surveying equipment is not necessary.

Course Syllabus:

- Understanding basic GIS principles and fundamentals
- Difference in terminology between ArcView 3.1 and ArcGIS 8.1
- Creating and building “shp” files (shape files, a GIS file format)
- GIS data linking
- Labeling features
- Importing/exporting files and images
- Working with the attribute table
- Adding/deleting fields
Instructors

The course will be taught by the:

District Management System (DMS) Team
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