

FDOT Training Course

Title: Florida Geographic Data Library (FGDL) using ArcGIS 10
Length: 2 ½ days
Prerequisites: None
Level: Beginner to Intermediate
Location: Gainesville, Florida; UF TREEO Center
Period: February 3,4,5, 2014
Audience: Users with no or little knowledge of ArcGIS and/or FGDL

Description

This is a training course that introduces the Florida Geographic Data Library (FGDL) GIS database using ESRI's ArcGIS software. FGDL contains over 350 layers of GIS data, for the state of Florida and is used by many FDOT application areas including Efficient Transportation Decision Making (ETDM). The course presents an overview of FGDL data organization and sources and teaches how to access and use the FGDL data and associated documentation using ArcGIS software. In addition, students will learn conceptual and practical skills of the ArcGIS software through hands-on GIS exercises that use FGDL data, as well as fundamental GIS concepts necessary for everyone that uses GIS in professional practice.

Topical Outline

Day 1 1:00PM – 4:30PM	Day 2 8:30AM – 4:30PM	Day 3 8:30AM – 4:30PM
<p>INTRODUCTION TO ARCMAP</p> <p>ArcGIS Basics</p> <ul style="list-style-type: none"> What is GIS? Creating a Project Making Maps Layers and Data Frames Bookmarks Adding data to your Map Displaying Data Symbology Manipulating your Map Labels Using Tables Viewing Metadata with ArcCatalog Map Elements <p>Data Concepts</p> <ul style="list-style-type: none"> Vector vs. Raster File Formats Map Projections Map Scale Accuracy and Precision 	<p>INTRODUCTION TO FGDL</p> <ul style="list-style-type: none"> What is the FGDL? Current FGDL Release FGDL Metadata Explorer FGDL Mailing List FGDL Projection <p>FGDL METADATA</p> <ul style="list-style-type: none"> Why read the metadata? FGDL Metadata How to get to the Metadata <p>BASIC GIS ANALYSIS</p> <ul style="list-style-type: none"> Symbolizing FGDL Data Exploring FGDL Data Tables Querying FGDL Data Using FGDL Data to query other FGDL Data Creating Shapefiles from FGDL Data Editing FGDL Data Tables 	<p>ADVANCED GIS ANALYSIS USING FGDL DATA</p> <ul style="list-style-type: none"> Buffer Clip Merge Erase Dissolve Intersect Identity Union <p>Additional Examples</p>