

C O U R S E O U T L I N E

Advanced Editing in ArcGIS 9.0

OVERVIEW

This new four-day course is specifically designed for data editors and draughtsman who wish to gain a better understanding of the advanced editing capabilities offered by ArcGIS 9.0. Participants will learn about Multi User editing and versioning using ArcMap and ArcSDE, and also editing in a field deployable GIS, which includes disconnected editing and using ArcPad. In addition students will also have the opportunity in hands-on exercises to use the traverse tool and the proportion tool as well as perform editing of feature-linked annotation and dimension features. The course concludes with a detailed look at using ArcMap for the editing of geometric networks, geodatabase topology, and routes.

OBJECTIVES

Class participants learn how to:

- Tips on using basic editing operations and functions in ArcMap
- Use Spatial Adjustment methods
- Use the advanced editing tools in ArcMap
- Examine multi user editing and versioning facilities in ArcGIS
- In depth look at editing annotation in a geodatabase
- Learn about Editing dimension features
- Edit using a field deployable GIS
- Set rules for editing and analyzing on geometric networks
- Undertake fixing of topological errors
- Build and edit route systems in the geodatabase

PREREQUISITES

Participants should have completed Introduction to ArcGIS I and II (for ArcView 8, ArcEditor 8, and ArcInfo 8), or What's New in ArcInfo 8 (previously offered instructor-led course or currently available Web-based course). Alternatively they should have a good working knowledge of ArcGIS.

TOPICS COVERED

Basic editing:	Tools for creating and editing spatial data; Editing attribute data
Enhanced editing:	The advanced editing toolbar; proportional tool; traverse tool; Inverse tool; ground-to-grid conversion; Entering units other than map units;
Multi User editing and versioning	Multi-user editing: Explanation of multi-user editing, advantages of multi-user editing, refreshing from the database, conflict resolution, procedures for editing, and editing in ArcMap creating and managing versions,
Editing a field deployable GIS.	Disconnected editing in a geodatabase, check out data, check in data, extract data. Using ArcPad, editing with ArcPad, ArcPad with extracted features.
Editing Annotation and Dimension.	Creating annotation, Storing text in wrap, Feature linked annotation, geodatabase annotation, converting coverage annotation. Editing dimension features, adding the dimensioning toolbar, creating dimension features, modifying dimension features.
Geometric networks:	Storing a network; Simple vs. complex network features; Logical network; Flow on a geometric network; Performing network analysis; Network weights; Restricting the area of a trace; Complex edges; Building a geometric network; Setting network rules; Validating connectivity rules
Geodatabase topology:	Topology management in the geodatabase; Building a topology; Setting the properties of a topology; Setting appropriate topological rules; Fixing topological errors; Editing topological data
Linear referencing:	Creating routes; Storing routes in the geodatabase; Hatching routes; Rules for editing routes; Tools for editing routes; Displaying route anomalies; Reroute events; Advanced route events options; Transforming events