ArcGIS Desktop III: GIS Workflows and Analysis

2 Days (16 hours)

Understanding how and when to apply ArcGIS tools is the key to creating an efficient GIS workflow. Building on the skills and knowledge taught in ***ArcGIS Desktop II: Tools and Functionality***, this course teaches how to apply ArcGIS tools with a focus on working with data stored in a geodatabase. You will organize and prepare data for analysis, create geoprocessing models, and work through a challenging analysis project. The workflow taught in this course is applicable to all types of GIS analysis.

Course Objectives:

- Distinguish types of ArcGIS Desktop geodatabases
- Add data from other sources to a geodatabase
- Perform spatial and attribute validation in a geodatabase
- Edit features using geodatabase behaviors
- Build geoprocessing models using ModelBuilder
- Analyze GIS data in ArcGIS Desktop
- Solve real-world problems using GIS analysis

After completing this course, you will be able to:

- Add data from different sources to a geodatabase.
- Create and edit geodatabase features.
- Work with geodatabase tools that ensure data integrity during editing.
- Solve common spatial data alignment problems.
- Use a variety of geoprocessing tools to perform analysis.
- Build a complex model to automate an analysis workflow.

Completion of **ArcGIS Desktop II: Tools and Functionality** or Learning ArcGIS Desktop or equivalent knowledge is required.