



# ArcGIS Desktop II: Tools and Functionality

Five days (36 hours/7hours per day)

## Overview

ArcGIS® Desktop software is an integrated system that includes all the tools needed to get the most out of a GIS. This course teaches the range of functionality available in the software and the essential tools for visualizing, creating, managing, and analyzing geographic data. The hands-on course exercises emphasize practice with ArcMap™ and ArcCatalog™ (the primary applications included with ArcGIS Desktop software) to perform common GIS tasks and workflows. The tools for creating and managing geographic data, displaying data on maps in different ways, and combining and analyzing data to discover patterns and relationships are highlighted, and you will learn how ArcGIS Desktop provides a complete GIS software solution. By the end of the course, you will be prepared to start working with the software on your own. This course is designed for those with an education in or workplace experience with GIS but no ArcGIS software experience. This course assumes knowledge of basic GIS concepts. Those without a background in GIS should first take *ArcGIS Desktop I: Getting Started with GIS*.

## Goals

After completing this course, you will be able to:

- ✓ Identify which ArcGIS Desktop application is used for common GIS tasks.
- ✓ Understand what the geodatabase offers for GIS data storage.
- ✓ Create and edit geodatabase features.
- ✓ Control the appearance and display of data layers in ArcMap.
- ✓ Classify and symbolize map data.
- ✓ Label map features.
- ✓ Change the coordinate system and map projection used to display a dataset.
- ✓ Access feature information in tables and control table display properties.
- ✓ Query and analyze GIS data.
- ✓ Build a simple model to automate a GIS analysis workflow.
- ✓ Create presentation-quality maps and graphs.

## Prerequisites and recommendations

Completion of *ArcGIS Desktop I: Getting Started with GIS* or equivalent knowledge is required.