

## AutoCAD Map 3D 2010

### AutoCAD Map 3D 2010 for Geospatial

#### **Description**

Learn about the geospatial features and functions of AutoCAD® Map 3D 2010, including how to create, manage, and analyze geospatial data. In addition learn the fundamental and advanced features of the geospatial tools in AutoCAD Map 3D 2010.

**Pages** 204

**Trial CD** No

**Onscreen Exercises** No

**Prerequisites** Users should have completed the *Learning AutoCAD 2010* and *Learning AutoCAD Map 3D 2010* courses or previous AutoCAD Map Essentials courses and have working knowledge of the following:

- A recent version of AutoCAD.
- Microsoft® Windows® XP or Microsoft® Windows® Vista.

#### **Class Information**

**Suggested Duration** 2 days

**Objective** Teach users the geospatial fundamentals of AutoCAD Map 3D 2010 as well as, through hands-on exercises, how to create, edit, manage, and analyze geospatial data such as SDF or SHP files.

After completing this class, users will be able to:

- Establish a geospatial environment.
- Edit geospatial features.
- Manage geospatial features using buffers and Bulk Copy.
- Use workflows to automate geospatial processes.
- Use job processes to solve geospatial problems.

**Who Should Attend** New users of AutoCAD Map 3D who want to use geospatial data.

## **In this Guide**

### **Establishing a Geospatial Environment**

- Connecting to a Feature Source
- Working With Point Data
- Using Coordinate Systems
- Query Features on Connect

### **Stylizing Features**

- Stylizing Features

### **Editing Features**

- Editing Feature Attributes and Geometry
- Working with DEM Files
- Moving Data Between DWG™ Objects and FDO Features
- Merging and Splitting Features

### **Managing Features**

- Using Bulk Copy
- Using Joins with Feature Sources
- Using Buffers
- Using Calculated Properties
- Adding Geospatial Data Validation
- Using Overlay Analysis

### **Workflows**

- Using Workflow Designer for Overlay Analysis

### **Job Processes**

- Updating Parcels with a Newly Subdivided Zoning Area
- Creating a Map Using Cartographic Standards
- Sharing Geospatial Data with a Third Party

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**Note:** The suggested class duration is a guideline. Topics and duration may be modified by the instructor based upon the knowledge and skill level of the class participants.

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