

## AutoCAD Map 3D 2010

### Learning AutoCAD Map 3D 2010

#### Description

Learn about the features and functions of AutoCAD® Map 3D 2010, including how to create, manage, and analyze mapping data. The class guides students through the fundamental and advanced features of AutoCAD Map 3D 2010.

<b>Pages</b>	338
<b>Trial CD</b>	Yes
<b>Onscreen Exercises</b>	Yes
<b>Prerequisites</b>	Users should have completed an <i>AutoCAD Essentials</i> course and have working knowledge of the following: <ul style="list-style-type: none"><li>• A recent version of AutoCAD.</li><li>• Microsoft® Windows® Vista, Microsoft® Windows® XP, or Microsoft® Windows® 2000.</li></ul>

#### Class Information

<b>Suggested Duration</b>	3 days
<b>Objective</b>	<p>Teach users the fundamentals of AutoCAD Map 3D 2010 as well as, through hands-on exercises, how to create, edit, manage, and analyze mapping data.</p> <p>After completing this class, users will be able to:</p> <ul style="list-style-type: none"><li>• Describe the AutoCAD Map 3D user interface.</li><li>• Create and edit geometry.</li><li>• Link and manage drawing-based attribute data.</li><li>• Use object classification.</li><li>• Import and export drawing-based data.</li><li>• Work with raster images.</li><li>• Work with source drawings.</li><li>• Use source drawing queries.</li><li>• Stylize drawings.</li><li>• Use topology and spatial analysis.</li><li>• Plot maps.</li></ul>
<b>Who Should Attend</b>	New users of AutoCAD Map 3D.

## **In this Guide**

### **Getting Started**

- The AutoCAD Map 3D User Interface

### **Creating and Editing Geometry**

- Using Coordinate Geometry
- Performing Drawing Cleanup

### **Linking and Managing Drawing-Based Attribute Data**

- Creating and Attaching Object Data
- Editing and Managing Object Data
- Creating Dynamic Annotation
- Connecting to a Database
- Defining a Link Template and Linking Records to Objects
- Using Database Information in a Drawing

### **Using Object Classification**

- Setting Up Object Classification
- Classify, Select, and Create Classified Objects

### **Importing and Exporting Drawing-Based Data**

- Importing and Exporting Data

### **Working with Raster Images**

- Inserting Raster Images
- Modifying Raster Image Properties and Behavior

### **Working with Source Drawings**

- Attaching Source Drawings
- Working with Coordinate Systems

### **Using Source Drawing Queries**

- Define Property and Location Queries
- Defining Data Queries
- Compound Queries
- Altering Properties During Queries
- Using the Query Library
- Save Back to Queried Objects

### **Stylizing Drawings**

- About the Display Manager
- Creating Display Maps
- Creating Thematic Maps

### **Using Topology and Spatial Analysis**

- Creating Network Topologies
- Network Topology Analysis
- Creating Polygon Topologies
- Polygon Topology Analysis

## Plotting Maps

- Map Books

## Job Processes

- Creating Hydrant Maintenance Reports
- Adding Hyperlinks Automatically to Objects
- Transitioning From Drawings to Feature Sources

## Survey Data

- Creating Survey Data Stores
- Working With Survey Data Stores

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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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