

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.

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

Class Information

Suggested Duration	3 days
Objective	<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">• Describe the AutoCAD Map 3D user interface.• Create and edit geometry.• Link and manage drawing-based attribute data.• Use object classification.• Import and export drawing-based data.• Work with raster images.• Work with source drawings.• Use source drawing queries.• Stylize drawings.• Use topology and spatial analysis.• Plot maps.
Who Should Attend	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

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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