

Civil 3D 2009 Survey Fundamentals Field to Finish

Module 1: The AutoCAD Civil 3D Interface, Drafting, and Points

Section 1: The AutoCAD Civil 3D Interface

- Product Overview
- AutoCAD Civil 3D Workspaces
- AutoCAD Civil 3D Toolspace
- AutoCAD Civil 3D Panorama

Section 2: Points Overview and Styles

- Points Overview
- Point Styles
- Point Label Styles

Section 3: Points and Style Transfer

- Importing and Exporting Points
- Description Key Sets
- Transferring Styles

Section 4: Drafting

- Lines and Curves
- Transparent Commands
- Labeling

Section 5: Creating, Managing and Reporting Points

- Point Groups
- Point Reports
- Repositioning Point Labels
- Point Settings
- Creating Points

Section 6: Point Security, Editing and AutoCAD Layer Concepts

- Locking and Unlocking Points
- Reviewing and Editing Points
- AutoCAD Layers vs. Civil 3D Styles

Module 2: Survey, Surfaces, Data Shortcuts, and Google Earth

Section 1: Introduction to Data Collection in the Field

- Survey Workflow Overview
- Figure Commands
- Data Conversion
- Fieldbooks

Section 2: Introduction to Civil 3D Survey and Automated Linework

- The Survey Toolspace
- Translating the Survey Database
- Working with Figures
- Coordinate Systems

Section 3: Surface Overview

- Surface Process
- Overview of Surface Styles
- Surface Properties
- Breaklines and Boundaries
- Contour Data
- Other Surface Data
- Surface Analysis Tools

Section 4: Surface Editing

- Surface Editing
- Adjusting Surfaces through Surface Properties

Section 5: Surface Labels and Analysis

- Surface Labels
- Surface Volume Calculations
- Surface Analysis Display
- Viewing Surfaces in 3D

Section 6: Sharing Data and Google Earth

- Data Shortcuts
- Google Earth