



AutoCAD for Civil Engineers

Duration: 40 Days

Chapter 1 : Introduction To CAD

- CAD History
- Graphical User Interface
- Workspaces
- Ribbons And Commands
- Templates
- Create New Design And Templates

Chapter 2 : Creating Geometry Tool

- Creating Rectangles, Placing Hatch, Fillets, Chamfers, Contours
- Centerlines
- Construction Lines
- Power Snaps
- Adding Standard Feature Data for Holes and Slots

Chapter 3 : Manipulating Geometry Tool

- Editing Tools
- Power Commands
- Associative Hide

Chapter 4 : Object Property & Layer Management

- Managing Layers
- Configure Object Property Settings
- Automatic Management of Layers
- Layer Functions and Display

Chapter 5 : Creating Drawing Sheets

- Model Space Views in Layouts
- Creating Drawing Sheets in Model Space
- Annotation
- Title Blocks and Drawing Borders

Chapter 6 : Dimensioning And Annotating Drawing

- Annotation and Annotation Symbols
- Creating Dimensions
- Editing Dimensions

Chapter 8 : Setting up a layout

- Printing Concept
- Working in layout

- Creating layout
- Guidelines for layout

Chapter 9: File Management

- Import & Export
- DWG Files
- IGES Files
- Project Documentation

Chapter 10: Plotting & Printing

- Printing layouts
- Print & Plot Settings
- Projects printing/plotting

Chapter 11: AutoCAD 3D

- AutoCAD Civil 3D GUI
- AutoCAD Civil 3D Toolspace
- 3D panorama workshops

Chapter 12 : Project Management

- Project Sharing data
- Shortcut for Project Management

Chapter 13: Parcels

- Lines and curves
- Introduction to Parcels
- Creating and Editing Parcels
- Parcel Reports, Labels, Tables

Chapter 14: Surfaces

- Surface Processes
- Surface Properties
- Contour Data
- Other Surface Data
- Breaklines and Boundaries
- Surface Labels
- Surface Volume Calculations
- Surface Analysis Display

Chapter 15: Alignments

- Introduction to Alignments
- Alignment Properties
- Labels and Tables

Chapter 16: Profiles

- Create a Profile View Style
- Create Profiles from Surface
- Create Profile Wizard

- Create and Edit Profiles

Chapter 17: Corridors

- Assembly Overview
- Modifying Assemblies
- Creating Corridor and it's properties
- Corridor surfaces visualization

Chapter 18: Plan Production

- Plan Production tools
- Plan Production objects
- Creating Sheets
- Sheet Sets

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