SPECTRUM SOLUTIONS

AutoCAD: Advanced Course Outline

Overview:
This will be a 3-day course that will introduce advanced techniques and will teach you to be proficient in your use of the AutoCAD® or AutoCAD LT® software. AutoCAD: Advanced will teach you how to recognize the best tool for the task, the best way to use that tool, and how to create new tools to accomplish tasks more efficiently. There will be many topics that will be covered in the AutoCAD: Advanced such as:

Topics Covered:

- Advanced text objects
- Working with tables
- Defining dynamic blocks and attributes
- Outputting and publishing files for review
- Collaboration and automation tools
- Creating, publishing, and customizing sheet sets
- Managing layers
- CAD management and system setup
- Enhancing productivity by customizing the AutoCAD interface
- Using macros and custom routines

Prerequisites:
Completion of AutoCAD®: Essentials and AutoCAD® and a working knowledge of the Windows operating system.

Completion of the Course:
At the completion of this course the student will have a strong working knowledge of the AutoCAD system from drafting to supporting the tool. Students who complete this course will be one step ahead in creating standard 2D drawings and more advance workspaces and automated processes.

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Course Content:

Chapter 1: Introduction

Chapter 2: Advanced Text Objects
2.1 Annotation Scale Overview
2.2 Using Fields
2.3 Controlling the Draw Order

Chapter 3: Working with Tables
3.1 Working with Linked Tables
3.2 Creating Table Styles

Chapter 4: Projects - Advanced Annotation

Chapter 5: Dynamic Blocks
5.1 Working with Dynamic Blocks
5.2 Creating Dynamic Block Definitions
5.3 Dynamic Block Authoring Tools
5.4 Additional Visibility Options

Chapter 6: Attributes
6.1 Inserting Blocks with Attributes
6.2 Editing Attribute Values
6.3 Defining Attributes
6.4 Redefining Blocks with Attributes
6.5 Extracting Attributes

Chapter 7: Projects - Advanced Blocks and Attributes
7.1 Dynamic Block Practice – Desk Unit
7.2 Mechanical Attribute Project – Amplifier
7.3 Architectural Attribute Project – Door Schedule

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Chapter 8: Output and Publishing
8.1 Output for Electronic Review
8.2 Autodesk Design Review
8.3 Publishing Drawing Sets
8.4 Shared Views

Chapter 9: Other Tools for Collaboration
9.1 eTransmit
9.2 Hyperlinks
9.3 Compare Drawings

Chapter 10: Cloud Collaboration and 2D Automation
10.1 Connecting to the Cloud
10.2 Sharing Drawings in the Cloud
10.3 Rendering in the Cloud
10.4 Attach Navisworks Files

Chapter 11: Introduction to Sheet Sets
11.1 Overview of Sheet Sets
11.2 Creating Sheet Sets
11.3 Creating Sheets in Sheet Sets
11.4 Adding Views to Sheets
11.5 Importing Layouts to Sheet Sets

Chapter 12: Publishing and Customizing Sheet Sets
12.1 Transmitting and Archiving Sheet Sets
12.2 Publishing Sheet Sets
12.3 Customizing Sheet Sets
12.4 Custom Blocks for Sheet Sets

Chapter 13: Projects - Sheet Sets

Chapter 14: Managing Layers
14.1 Working in the Layer Properties Manager
14.2 Creating Layer Filters
14.3 Setting Layer States

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Chapter 15: CAD Standards
15.1 CAD Standards Concepts
15.2 Configuring Standards
15.3 Checking Standards
15.4 Layer Translator

Chapter 16: System Setup 16-1
16.1 Options Dialog Box
16.2 System Variables
16.3 Dynamic Input Settings
16.4 Drawing Utilities
16.5 Managing Plotters
16.6 Plot Styles

Chapter 17: Introduction to Customization
17.1 Why Customize?
17.2 Creating a Custom Workspace

Chapter 18: Customizing the User Interface
18.1 Using the Customize User Interface (CUI) Dialog Box
18.2 Customizing the Ribbon
18.3 Customizing the Quick Access Toolbar
18.4 Customizing Menus
18.5 Keyboard Shortcuts

Chapter 19: Macros and Custom Routines
19.1 Custom Commands and Macros
19.2 Running Scripts
19.3 Action Recorder
19.4 Editing Action Macros
19.5 Loading Custom Routines