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Sandton

AutoCAD Revit Architecture Advanced

Courseware Description

This hands-on courseware covers many of the advanced features of AutoCAD® Architecture 2009. Students learn how to customize walls, elevations, and sections, create massing studies and space studies, create object styles for wall, windows, doors, spaces, curtain walls, and several annotation objects, create custom content, setup project standards and customize layers and the display system.

Suggested Course Duration:	3 days
Pages:	**393**
Trial CD:	No
Onscreen Exercises Included?	No

Objectives

This courseware is intended primarily for architects, CAD Managers, and other advanced students who need to work with advanced design tools, create massing studies or space studies, or to customize styles and settings in the AutoCAD Architecture environment.

After completing this course, students will be able to:

- Understand the Style Manager.
- Use advanced wall and section/elevation tools.
- Create massing studies with mass elements and mass groups.
- Use spaces to develop and analyze a building design.
- Define multi-view blocks and creating custom content.
- Create styles for AEC objects including walls, doors, windows, and curtain walls as well as annotation object styles.
- Customize layer properties and the display system.

Who Should Attend

This courseware is designed for experienced users of AutoCAD Architecture.

Prerequisites

Before using this courseware, the student should be able to add grids, fixtures, floors, walls, ceilings, roofs doors, walls, and stairs to a building model. The student should also have created output that includes different views, annotations, tables, and legends. It is recommended that the student have a working knowledge of [illegible] for Microsoft® Windows® XP.

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Course Outline

Day 1

Importing and Exporting Files
- Importing and Using External Files
- Exporting to External Files

Linking Files
- Working with Linked Revit Architecture Projects
- Monitoring and Coordinating Linked Projects

Conceptual Design
- Working with Mass Shapes
- Converting Mass Shapes to Building Components

Creating Advanced Components
- Creating and Using In-Place Families
- Creating and Modifying Component Families
- Creating Nested Families
- Working with Component Groups

Day 2

Design and Analysis
- Designing in Phases
- Using Design Options
- Running an Interference Check
- Area Plans and Color Fills

Revit Architecture Worksharing
- Project Sharing with Worksets
- Managing Worksets and Multiple Users

Working with Professionals
- Working on a Site Design
- Working with a Structural Engineer

Advanced Rendering
- Creating Realistic Presentations