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**Revit Architecture Course Details**

Overview and Basic Drawing Tools  
 Datum Elements – Levels and Grids  
 Drawing and Modifying Walls  
 Adding Doors and Windows  
 Floors  
 Roofs  
 Vertical Circulation  
 Reflected Ceiling Plans  
 Interiors  
 Construction Documents  
 Annotating Construction Documents  
 Tags and Schedules  
 Project Phasing and Design Options  
 Groups and Links  
 Importing and Exporting  
 Project Team Collaboration

Advanced Modeling Tools  
 Curtain Walls  
 Site Design  
 Structural Tools  
 Detailing in Revit Architecture  
 Schedules  
 Advanced Annotation  
 Advanced View Setup  
 Massing Studies  
 Space Planning & Area Analysis  
 Visualization  
 Rendering  
 Creating Custom Templates  
 Custom Walls, Roofs, & Sections  
 Family Concepts & Techniques  
 Creating Specific Families

**Duration** : 70 Hours

**Course Fee** : LKR. 19900

**\*\* Individual Classes times can be arranged to your convenient.**

**Manager**

# Revit Architecture Training Course Outline

## Session 1

### 1: Overview and Basic Drawing Tools

- \* Building Information Modeling
- \* Revit Terminology
- \* Overview of the Revit Interface
- \* Starting Revit Projects
- \* Viewing Commands
  
- \* General Drawing Tools
- \* Editing Revit Elements
- \* Modifying Tools

### 2: Datum Elements – Levels and Grids

- \* Setting Up Levels
- \* Importing CAD Files (Covered in more detail in a later class)
- \* Creating Structural Grids
- \* Adding Columns

### 3: Drawing and Modifying Walls

- \* Drawing and Modifying Walls (Creating custom walls is in a later class)
- \* Helpful Editing Tools

### 4: Adding Doors and Windows

- \* Adding Doors and Windows
- \* Loading Door and Window Types from the Library
- \* Creating Additional Door and Window Sizes
- \* Creating Storefront Windows

## Session 2

### 1: Floors

- \* Creating Floors
- \* Creating Openings
- \* Creating Building Sections

### 2: Roofs

- \* Creating Roofs by Footprint
- \* Setting Up a Roof Plan
- \* Reference Planes and Work Planes
- \* Creating Roofs by Extrusion
- \* Cleaning Up Wall and Roof Intersections

### **3: Vertical Circulation**

- \* Adding Callout Views
- \* Creating Standard and Custom Stairs
- \* Creating Ramps
- \* Adding and Modifying Railings

### **4: Reflected Ceiling Plans**

- \* Creating Ceilings
- \* Adding Ceiling Fixtures

## **Session 3**

### **1: Interiors**

- \* Duplicating Views
- \* Setting the View Display
- \* Adding Furniture and Fixtures to a Project
- \* Creating Interior Elevations

### **2: Construction Documents**

- \* Setting Up Sheets
- \* Placing and Modifying Views on Sheets
- \* Printing Sheets

### **3: Annotating Construction Documents**

- \* Working with Text
- \* Adding Detail Lines and Symbols
- \* Working with Dimensions

### **4: Tags, Schedules & Quantities**

- \* Adding Tags
- \* Working with Schedules (Creating custom schedules / Quantities)

## **Session 4**

### **1: Project Phasing and Design Options**

- \* Project Phasing
- \* Design Options

### **2: Groups and Links**

- \* Using Groups
- \* Linking Revit Files
- \* Links and Groups

- \* Visibility and Graphic Overrides in Linked Views
- \* Interference Checking

### **3: Importing and Exporting**

- \* Importing Vector Files
- \* Working with Imported Files
- \* Importing Raster Image Files
- \* Exporting Files

### **4: Project Team Collaboration**

- \* Introduction to Worksets
- \* Opening Workset-Related Projects
- \* Working in Workset-Related Projects
- \* Setting Up Worksets
- \* Best Practices for Worksets

## **Session 5**

### **1: Advanced Modeling Tools**

- \* Creating Sloped Floors, Roofs, and Slabs
- \* Creating Dormers

### **2: Curtain Walls**

- \* Creating Curtain Walls
- \* Adding Curtain Grids
- \* Creating Curtain Wall Types with Automatic Grids
- \* Working with Curtain Wall Panels
- \* Attaching Mullions to Curtain Grids

### **3: Site Design**

- \* Creating Topographical Surfaces
- \* Property Lines and Building Pads
- \* Modifying Toposurfaces
- \* Annotating Site Plans
- \* Site Components
- \* Shared Coordinates

### **4: Structural Tools**

- \* Structural Basics
- \* Foundation Plans
- \* Framing Plans and Elevations

## **Session 6**

### **1: Detailing in Revit Architecture**

- \* Setting Up Detail Views
- \* Creating Details
- \* Annotating Details
- \* Patterning

## **2: Schedules**

- \* Creating Schedules
- \* Creating Material Takeoff Schedules

## **3: Advanced Annotation**

- \* Keynoting and Keynote Legends
- \* Creating Legends
- \* Revision Tracking

## **4: Advanced View Setup**

- \* View Templates
- \* Working with Dependent Views
- \* Enhancing Views

## **Session 7**

### **1: Massing Studies**

- \* Basic Mass Elements
- \* Custom Mass Elements
- \* From Massing to Building
- \* Working with SketchUp Files

### **2: Space Planning & Area Analysis**

- \* Space Planning
- \* Area Analysis
- \* Creating Color Schemes

### **3: Visualization**

- \* Perspectives
- \* Creating Walkthroughs
- \* Solar Studies

### **4: Rendering**

- \* Basic Rendering
- \* Working with Lighting
- \* Enhancing Renderings

## **Session 8**

## **1: Creating Custom Templates**

- \* Preparing Templates
- \* Presetting Annotation Styles
- \* Creating Titleblocks
- \* Creating Object Styles
- \* Materials and Fill Patterns

## **2: Custom Walls, Roofs, & Sections**

- \* Creating Wall, Roof, and Floor Types
- \* Adding 3D Profiles
- \* Vertically Stacked Walls
- \* Vertically Compound Walls

## **3: Family Concepts & Techniques**

- \* Introduction to Families
- \* Creating Parametric Dimensions
- \* Creating Family Elements
- \* Creating Family Types
- \* Adding Family Parameters
- \* Visibility Display Settings

## **4: Creating Specific Families**

- \* Creating Custom Doors and Windows
- \* Creating In-Place Families
- \* Creating Profiles
- \* Creating Angled Cornices and Copings
- \* Creating Custom Railings
- \* Adding Custom Posts
- \* Creating Annotation Families
- \* Working with Shared Parameters