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## Revit Architecture Level 2: Intermediate Course Outline

**Course Description:** The *Revit Architecture 2008 Intermediate* course is intended for students who have completed the Revit Architecture Fundamentals course, or equivalent thereof, and are ready to explore more advanced features in this software. Knowledge of basic techniques is assumed, such as creating walls, roofs and other objects; copying and moving objects; creating and working with views; etc.

**Course Objective:** The objective of the *Revit Architecture 2008 Intermediate* course is to enable students to create full 3D architectural project models and set them up in working drawings. The class focuses on more specialized topics, such as vertically compound walls or complex railing patterns.

### Course Content

#### Module 1: Advanced Editing Tools

- Modifying Elevations, Plans, and Sections
- Modifying Elevations
- Editing Plan and Section Profiles
- Custom Walls, Roofs, and Floors
- Creating Wall, Roof, and Floor Types
- Adding 3D Profiles
- Creating Vertically Compound Walls

#### Module 2: Setting Up Revit

- Creating Custom Templates
- Preparing Templates
- Presetting Annotation Styles
- Creating Titleblocks
- Setting Up Keynotes
- Object Styles and Materials
- Creating Object Styles
- Materials and Fill Patterns

#### Module 3: Creating Families

- Family Concepts and Techniques
- Introduction to Families
- Creating Parametric Dimensions
- Creating Family Geometry
- Creating Family Types
- Visibility Display Settings
- Creating Specific Families
- Creating Custom Doors and Windows
- Creating Profiles
- Creating Annotation Families
- Creating In-Place Families
- Complex Railing and Baluster Patterns

#### Module 4: Conceptual Design and Space Planning

- Massing Studies
- Basic Mass Elements
- Creating In-Place Mass Elements
- From Massing to Building
- Space Planning and Area Analysis
- Space Planning
- Area Analysis
- Creating Color Schemes

#### Module 5: Sharing Information

- Groups and Links
- Using Groups
- Linking Revit Files
- Importing and Exporting
- Importing Vector Files
- Working with Imported Files
- Importing Raster Image Files
- Exporting Files

#### Module 6: Viewing, Visualization, and Rendering

- Viewing Tools
- View Templates
- Setting Up and Using Phases
- Design Options
- Visualization
- Perspectives
- Creating Walkthroughs
- Solar Studies
- Rendering
- Basic Rendering
- Enhancing Renderings
- Lighting