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Revit Architecture 2010 Level 2: Intermediate Course Outline

Course Description: The Revit Architecture Intermediate course introduces students to using Revit Architecture in a multi-discipline team environment. Focusing on Collaboration, you will work with linking models, interference checking and worksets

Course Objective: This course will focus on working with models from other disciplines as well as project sharing between team members and other firms.

Course Content

Chapter 1: Project Phasing and Design Options

Project Phasing
Design Options

Chapter 2: Groups and Links

Using Groups
Linking Revit Files
Links and Groups
Visibility and Graphic Overrides in Linked Views
Interference Checking

Chapter 3: Importing and Exporting

Importing Vector Files
Modifying Imported Files
Importing Raster Image Files
Exporting Files
Exporting for Energy Analysis (Optional)

Chapter 4: Project Team Collaboration

Introduction to Worksets
Opening Workset-Related Projects
Working in Workset-Related Projects
Setting up Worksets
Best Practices for Worksets

Part 2 - Advanced Design Development

Chapter 5: Advanced Modeling Tools

Creating Sloped Floors, Roofs, and Slabs
Creating Dormers

Chapter 6: 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

Chapter 7: Site Design

Creating Topographical Surfaces
Property Lines and Building Pads
Modifying Toposurfaces
Annotating Site Plans
Site Components
Shared Positioning

Chapter 8: Structural Tools

Structural Basics
Foundation Plans
Framing Plans and Elevations

Part 3 - Advanced Construction Documents

Chapter 9: Detailing in Revit Architecture

Setting Up Detail Views
Creating Details
Annotating Details
Patterning

Chapter 10: Schedules

Creating Schedules
Creating Material Takeoff Schedules
Adding Parameters and Calculated Values
Scheduling Structural Elements

Chapter 11: Advanced Annotation

Keynoting and Keynote Legends
Creating Legends
Revision Tracking

Chapter 12: Advanced View Setup

View Templates
Working with Dependent Views
Enhancing Views