Autodesk® Revit® Structure

Advanced 2017

3- Day BIM Modeling Course

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Course Outline

BIM Management: Template and Family Creation

Chapter 1 Creating Custom Templates

1.1 Preparing Project Templates

1.2 Customizing Annotation Types

1.3 Creating Title Blocks

1.4 View Templates

Chapter 2 Schedules

2.1 Introduction to Schedules

2.2 Creating Building Component Schedules

2.3 Modifying Schedules Appearance

2.4 Creating Key Schedules

2.5 Advanced Schedule Options

2.6 Creating Material Takeoff Schedules

Chapter 3 Custom System Families

3.1 Creating Wall, Roof, Floor, and Ceiling Types

3.2 Vertically Compound Walls

3.3 Stacked and Embedded Walls

3.4 Creating MEP System Families

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Chapter 4 Component Family Concepts

4.1 Creating Component Families

4.2 Creating and Parametric Framework

4.3 Creating Family Elements

4.4 Creating Family Types

Chapter 5 Advanced Family Techniques

5.1 Additional Tools for Families

5.2 Visibility Display Settings

Chapter 6 Additional Family Types

6.1 Creating In – Place Families

6.2 Creating Profiles

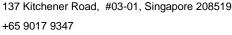6.3 Creating Annotation Families

6.4 Working with Project and Shared Parameters

Chapter 7 Creating Structural Specific Families

7.1 Creating Custom structural framing and columns

7.2 Creating Custom Staircase details and Profile

7.3 Creating Advance Structural Settings, Adjusting Analytics Models

7.4 Families for Slabs, Truss, Tapered Concrete Columns etc

Chapter 8 Creating MEP Specific Families

Chapter 9 Creating Architecture Specific Families

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Site and Structural Design

Chapter 1 Site Design

1.1 Creating Topographical Surfaces

1.2 Adding Property Lines and Building Pads

1.3 Modifying Toposurface

1.4 Annotating Site Plans

1.5 Adding Site Components

1.6 Working with Shared Positioning

Chapter 2 Structural Tools

2.1 Structural Basics

2.2 Creating Foundations

2.3 Modelling Structural Framing

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Collaboration Tools

Chapter 1 Phasing, Design Options, and Groups

1.1 Project Phasing
1.2 Design Options
1.3 Working with Groups

Chapter 2 Linking Models

2.1 Linking Models
2.2 Views and Linked Models
2.3 Copying and Monitoring Elements
2.4 Coordinating Linked Projects

Chapter 3 Importing and Exporting

3.1 Importing and Linking Vector Files
3.2 Modifying Imported Files
3.3 Importing Raster Image Files
3.4 Exporting Files
3.5 Exporting for Energy Analysis

Course Enquiries
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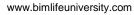
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