BIMLIFE
UNIVERSITY

Autodesk® Revit® Structure Fundamentals 2017

3- Day BIM Modeling Course

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Page **2** of **6**

Course Outline

Chapter 1 Introduction to BIM and Autodesk Revit

1.1 BIM and Autodesk Revit

1.2 Overview of the Interface

1.3 Starting Project

1.4 Viewing Commands

Chapter 2 Basic Drawing and Modify Tools

2.1 Using General Drawing Tools

2.2 Editing Elements

2.3 Working with Basic Modify Tools

2.4 Working with Additional Modify Tools

Chapter 3 Starting Structural Projects

3.1 Linking and Importing CAD Files

3.2 Linking in Revit Models

3.3 Setting up Levels

3.4 Copying and Monitoring Elements

3.5 Coordination Review

Chapter 4 Structural Grids and Columns

4.1 Adding Structural Grids

4.2 Placing Structural Columns

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Page **3** of **6**

Chapter 5 Foundations

5.1 Modelling Walls

5.2 Adding Wall Footings

5.3 Creating Piers and Pilasters

5.4 Adding Isolated Footing

Chapter 6 Structural Framing

6.1 Modelling Structural Framing

6.2 Modifying Structural Framing

6.3 Adding Trusses

Chapter 7 Working with Views

7.1 Setting the View Display

7.2 Duplication Views

7.3 Adding Callouts Views

7.4 Elevations and Sections

Chapter 8 Adding Structural Slabs

8.1 Modelling Structural Slabs

8.2 Creating Shaft Opening

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Page **4** of **6**

Chapter 9 Structural Reinforcement

9.1 Structural Reinforcement

9.2 Adding Rebar

9.3 Modifying Rebar

9.4 Reinforcing Walls, Floors, and Slabs

Chapter 10 Structural Analysis

10.1 Preparing Projects for Structural Analysis

10.2 Viewing Analytical Models

10.3 Adjusting Analytical Models

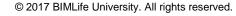10.4 Placing Loads

Chapter 11 Project – Concrete Structure

11.1 Start a Structural Project

11.2 Create Foundation Element

11.3 Frame a Concrete Structure

Chapter 12 Creating Construction Documents

12.1 Setting up Sheets

12.2 Placing and Modifying Views on Sheets

12.3 Printing Sheets

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Page **5** of **6**

Chapter 13 Annotating Construction Document

13.1 Working with Dimension

13.2 Working with Text

13.3 Adding Tags

13.4 Adding Detail Lines and Symbols

13.5 Creating Legends

Chapter 14 Creating Details

14.1 Setting up Detail Views

14.2 Adding Detail Components

14.3 Annotating Details

Chapter 15 Scheduling

15.1 Structural Schedules

15.2 Graphical Column Schedules

15.3 Working with Schedules

Course Enquiries
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