Autodesk Revit 2023: Fundamentals for Structure

Category: Design & Creative | **Vendor:** Autodesk

Duration: 4.00 hours (1 days) **3.3 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: vILT

Course Overview

Develop the skills to create, edit, analyze, and document a parametric structural model on Autodesk Revit. The course trains you to navigate the Revit workspace, use sketching tools and components and develop a 3D building model. It includes adding columns, walls, foundations, reinforcement, etc.

About This Course

Develop the skills to create, edit, analyze, and document a parametric structural model on Autodesk Revit. The course trains you to navigate the Revit workspace, use sketching tools and components and develop a 3D building model. It includes adding columns, walls, foundations, reinforcement, etc.

Who Should Attend

It is highly recommended that students have experience and knowledge in structural engineering and its terminology., This Course introduces the fundamental skills in learning how to use the Autodesk Revit software, with a focus on the structural tools.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic

sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets

for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building

model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum

elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and

schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details., Course ObjectivesIntroduction to the Autodesk Revit software.Navigating the Revit workspace and interface.Working with the basic sketching and modifying tools.Creating levels and grids as datum elements for the model.Understanding Revit families and components.Understanding the project browser and working with views.Starting a structural project based on a linked architectural model.Creating a 3D building model.Adding structural columns and walls.Adding foundations and

structural slabs.Structural reinforcement.Beams, trusses, and framing systems.Analytical models and placing loads.Project practices to reinforce learning.Setting up sheets for plotting with text, dimensions, details, tags, and schedules.Creating details.

Detailed Course Outline

Creating Details, Creating Details, Creating Schedules, Creating Schedules, Structural Reinforcement, Structural Reinforcement, Working with Annotations, Working with Annotations, Creating Construction Documents, Creating Construction Documents, Foundations, Foundations, Adding Structural Slabs, Adding Structural Slabs, Structural Framing, Structural Framing, Starting a Project, Starting a Project, Introduction to Revit, Introduction to Revit, Working with Views, Working with Views, Adding Columns, Adding Columns, Basic Sketching and Modify Tools, Basic Sketching and Modify Tools, Revit Families, Revit Families

Frequently Asked Questions

Q: What delivery options are available for Autodesk Revit 2023: Fundamentals for Structure?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 1-day Autodesk Revit 2023: Fundamentals for Structure course provides up to 3.3 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Autodesk Revit 2023: Fundamentals for Structure training?

The training takes place over 1 day(s), with each day lasting approximately 4.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Autodesk Revit 2023: Fundamentals for Structure?

Yes, we provide corporate training, dedicated training, and closed classes for Autodesk Revit 2023: Fundamentals for Structure. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Autodesk Revit 2023: Fundamentals for Structure, Autodesk, vILT, Autodesk Revit 2023

Q: Why choose Nexus Human for Autodesk Revit 2023: Fundamentals for Structure?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Autodesk Revit 2023: Fundamentals for Structure training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

Email: info@nexushuman.com

Website: www.nexushuman.com

Phone: +353 1 889 8700 (Ireland) | +44 20 8142 8961 (UK)

© 2026 Nexus Human. All rights reserved. This brochure was generated on 13/11/2026.