STANFORD
IT LEARNING
The Training Division of **cim** Technologies, Inc.

AUTODESK
Authorized Training Center
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Autodesk Revit 2017 Architecture Fundamentals

TRAINING DURATION
Number of Hours: 24
Number of Days: 3

ABOUT THE COURSE
Revit® Architecture Fundamentals is designed to teach the Autodesk Revit functionality as you would work with it throughout the design process. It will begin by learning about the user interface and basic drawing, editing, and viewing tools then to the design development tools including how to model walls, doors, windows, floors, ceilings, stairs and more. Lastly, the course will teach the processes that take the model to the construction documentation phase. The objective of the Autodesk Revit 2017 Architecture Fundamentals training guide is to enable students to create full 3D architectural project models and set them up in working drawings. This training guide focuses on basic tools that the majority of users need.

WHO SHOULD ATTEND
This course is designed for new users of Revit® Architecture.

PREREQUISITES
An understanding of architectural terminology is an asset.
A working knowledge on how a computer works, such as its operating system and applications. Most of the topics covered in this course are based on the features from the most recent releases of Revit Architecture. For those who are not familiar with its features will require additional background prior to taking the course.

NOTES
The indicated course length is a guideline. Topics and duration may be modified by the instructor based upon the knowledge and skill level of the participants.

✓ Stanford IT Learning is an Autodesk Authorized Training and Certification Center.

TOPICS
Introduction to BIM and Autodesk Revit
BIM and Autodesk Revit
Overview of the Interface
Starting Projects
Viewing Commands

Basic Sketching and Modify Tools
Using General Sketching Tools
Editing Elements
Working with Basic Modify Tools
Working with Additional Modify Tools

Setting Up Levels and Grids
Setting Up Levels
Creating Structural Grids
Adding Columns
Linking and Importing CAD Files

Modeling Walls
Modeling Walls
Modifying Walls

Working with Doors and Windows
Inserting Doors and Windows
Loading Door and Window Types from the Library
Creating Additional Door and Window Sizes

Working with Curtain Walls
Creating Curtain Walls
Adding Curtain Grids
Working with Curtain Wall Panels
Attaching Mullions to Curtain Grids

Working with Views
Setting the View Display
Duplicating Views
Adding Callout Views
Elevations and Sections

Adding Components
Adding Components
Modifying Components

Modeling Floors
Modeling Floors
Creating Shaft Openings
Creating Sloped Floors

Modeling Ceilings
Modeling Ceilings
Adding Ceiling Fixtures
Creating Ceiling Soffits

Modeling Roofs
Modeling Roofs
Creating Roofs by Footprint
Establishing Work Planes
Creating Roofs by Extrusion

Modeling Stairs, Railings and Ramps
Creating Component Stairs
Modifying Component Stairs
Working with Railings
Sketching Custom Stairs
Creating Ramps

Creating Construction Documents
Setting Up Sheets
Placing and Modifying Views on Sheets
Printing Sheets

Annotating Construction Documents
Working with Dimensions
Working with Text
Adding Detail Lines and Symbols
Creating Legends

Adding Tags and Schedules
Adding Tags
Adding Rooms and Room Tags
Working with Schedules

Creating Details
Setting Up Detail Views
Adding Detail Components
Annotating Details
Keynoting and Keynote Legends

WHY LEARN WITH STANFORD IT LEARNING?

✓ Manuals are licensed copy of training manuals from Ascent – an Autodesk Authorized Publisher.
✓ Trainings are conducted using the latest available software and hardware with a hands-on training methodology.
✓ After the training, students are entitled to an internationally-recognized Autodesk certificate, an Autodesk Official Training Manual, retake privilege within 6 months of training and e-mail or phone technical support.
✓ Students are also given an option to avail an additional Online Learning access for one year.

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