



Autodesk Revit 2017 (R1) Architecture: Fundamentals - Metric: Autodesk Authorized Publisher

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The Autodesk® Revit® software is a powerful Building Information Modeling (BIM) program that works the way architects think. The program streamlines the design process through the use of a central 3D model, where changes made in one view update across all views and on the printable sheets.

This student guide is designed to teach you the Autodesk Revit functionality as you would work with it throughout the design process. You begin by learning about the user interface and basic drawing, editing, and viewing tools. Then you learn design development tools including how to model walls, doors, windows, floors, ceilings, stairs and more. Finally, you learn the processes that take the model to the construction documentation phase. Since building projects are extremely complex, the Autodesk Revit software is also complex.

The objective of the *Autodesk® Revit® 2017 (R1) Architecture Fundamentals* student guide is to enable students to create full 3D architectural project models and set them up in working drawings. This student guide focuses on basic tools that the majority of users need.

Topics Covered

- Understanding the purpose of Building Information Management (BIM) and how it is applied in the Autodesk Revit software.
- Navigating the Autodesk Revit workspace and interface.
- Working with the basic drawing and editing tools.
- Creating Levels and Grids as datum elements for the model.
- Creating a 3D building model with walls, curtain walls, windows, and doors.
- Adding floors, ceilings, and roofs to the building model.
- Creating component-based and custom stairs.
- Adding component features, such as furniture and equipment.
- Setting up sheets for plotting with text, dimensions, details, tags, and schedules.
- Creating details.

Prerequisites

An understanding of architectural terminology is an asset.

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