

Technical Education Services

Autodesk Revit Overview for Educators



Course Length: 1 day

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Part 1: Creative Design using Mass Elements

- Overview of Massing.
 - In place massing and Conceptual Massing
 - Uses as buildings or building elements
- Creating a Mass Element solid form using the extrude method.
- Using Dynamic Editing to adjust height and shape
- Create a Void Form using extrude to cut away a portion of the Solid Mass
- Creating Levels. (add one level "Roof" to the North elevation)
 - Adjust the height of the Mass to lock to the highest level
 - Create floor planes for each level
- Place a Mass Object
 - From the standard library place a mass on the top of the Building Mass
 - Adjust or add levels as necessary
 - Add floors, walls, and roof, by face
 - If time allows use the Analyze Mass Model

For the current course
schedule and to register
for this course:

Web: redstack.com.au

Phone: 1300 667 263

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Part 2: Basic Residential Drawing

- Basic drawing tools
 - Using the Wall tool. Explain and practice drawing walls.
 - Basic editing tools and temporary dimensions.
 - Changing wall styles.
 - Draw interior walls on first floor
 - Editing wall profile in elevation view.
- Windows and Doors
 - Load a few door types from the library
 - Insert and show flip control arrows
 - Position one door an exact dimension from a wall using temporary dimensions.
 - Load Window and place on walls.
 - Mirror can be shown with interior walls, windows or doors
 - Add basement wall and footer
 - Add second floor interior walls, doors and windows as time allows
- Floors
 - Using floor by footprint add the first and second floors to the model.
- Ceilings
 - Add a level line for the first floor ceilings
 - Insert at least two ceilings one basic BWB and one 2'x2' or 2'x4' ACT
 - Insert a few lights.
- Stairs
 - Add a basic stair from first to second floor.
 - Modify the second floor slab to accommodate the stairs.

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- Roof by footprint
 - Place a room using the roof by footprint tool
 - Show how to adjust for different plate heights
- Adding Furniture etc.
 - Introduce the content library and have furniture put in one or two rooms only.
- Schedules
 - Create a basic window and a door schedule.
- Section and Elevation views
 - Add a section line and set its depth show the created view.
 - Explain the elevation markers and add an interior elevation.
- Sheets
 - Create a sheet.
 - Add views to sheets.

Part 3: Rendering. The very Basics

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