REVIT ESSENTIALS FOR LANDSCAPE DESIGN

Duration: 24 hours
Prerequisite: Working knowledge of a Windows OS
Learning Units: Valid for 24 LU's

OBECTIVES

This course introduces the student to the essentials of Revit, focusing on the needs of a landscape designer. We will create a fully integrated, bi-directional model using a single project database. Develop views and schedules as reports from the model.

TOPICS

BUILDING INFORMATION MODELING This session is an introduction to Building Information Modeling with an overview of the Revit interface, Revit terminology and, steps for starting and navigating the model.

COORDINATING WITH ARCHITECTS AND ENGINEERS We discuss typical project organization, views and a way of customizing for more efficient ways to use the project browser, models, sheets, and views.

VIEWING THE MODEL We discuss typical landscape project organization, views and a way of customizing for more efficient ways to use the Project browser, models, sheets, and views. Typical views may include floorplans, general arrangement, grading and levels, hard landscape and furniture, soft landscape. Existing and new phase.

CONSTRUCTION DOCUMENTATION As part of the class we will illustrate the methods for creating typical documentation. Including developing preliminary site plans, elevations column schedules and quantity take off schedules.

CREATING THE MODEL Creating a template. the students will create the typical modeled elements like topography, with cut and fill phases, paving, hardscape, softscape, urban furniture, planting, railings, and lighting.

MODEL EDITING Using the Revit toolset your instructor will show a variety of editing tools, including splitting walls, trim-extend, splitting and merging surfaces, match, align, move, offset, rotate, array, mirror, and group.

COMPATIBILITY WITH AUTOCAD The instructor will discuss best practices for Revit and CAD compatibility as well as output to DWG, DXF, DGN and DWF file formats. This includes identifying the settings for exporting and importing, the steps in the process of exporting views to CAD format, and the recommended graphic styles. If applicable, we will discuss Civil 3D integration workarounds.

WORKSHARING AND COORDINATION The class will replicate a real-life scenario of working as a team within the Revit project to learn concepts and best practices. Students will be introduced to tools for monitoring work-sharing, coordination with consultants, linking models and drawings, synchronize levels and grids and reconciling inconsistencies in linked projects.