



CENTRAL PIEDMONT COMMUNITY COLLEGE

CORPORATE & CONTINUING EDUCATION

Course Number: CAD7113
Course Title: AutoCAD REVIT Architecture
Course Hours: 32

Last Revised On: 01/29/2008

Description:

Revit Architecture is the most prominent BIM (Building Information Modeling) program designed specifically for architects and designers. It is a parametric 3D modeling software that keeps track of all the components of the building. It allows the designer to make rapid changes to the model even in the stages of design with very little effort.

Objectives:

- To be able to produce an accurate set of complete building drawings for construction documents.

Content:

1. The Basics of Revit Architecture
 - Introduction to Revit Architecture
 - Creating Basic Floor Plans
 - Setting Up Levels and Grids
2. Making Design Changes
 - Modifying Specific Objects
 - Editing Commands
3. Views and Components
 - Creating Views of the Model
 - Adding Components
4. Modeling Tools 1
 - Floors and Ceilings
 - Roofs
5. Modeling Tools 2
 - Stairs, Railings, and Ramps
 - Curtain Walls



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6. Sheets, Annotation, and Detailing
 - Sheets and Printing
 - Annotation
 - Detailing in Revit Architecture

7. Revit Architecture Fundamentals Skills Assessment

Prerequisites:

- CAD drafting experience.

Method of Instruction:

- Instructor led. Class Participation.

Evaluation:

- No exam