# CAD227 Advanced Revit Architecture

## Course Description

Focuses on the advanced applications of the AutoDesk Revit Architecture software. Includes Family Editing, Topographic Site Plans, Worksharing, Phases, Advanced Scheduling, Custom Annotation, and Presentation Techniques.

## Course Competencies

1. Construct Custom Families
2. Identify and demonstrate Parametric Formulas to control Families
3. Interpret how to differentiate Nested Families
4. Create 3D Topography from a Civil3D drawing
5. Demonstrate and include Property Lines, Pads, and Split Surface concepts to prepare and complete a Site Plan
6. Enable Worksharing for multi-user modeling
7. Recognize and distinguish Phasing to define stages of a project
8. Demonstrate the use of Phase Filters to control the appearance of a view
9. Utilize advanced Scheduling Features
10. Manage Key Schedules to automate the Scheduling process
11. Customize Annotation to meet existing CAD standards
12. Create Custom Keynotes and Note Blocks
13. Apply Advanced Rendering techniques to create amazing presentations
14. Produce Animated Sun & Shadows Studies
15. Demonstrate the ability to save to Custom Templates