

## Revit Architecture 2011 BIM Collaboration Tools

**Course Description:** Revit Architecture is a Building Information Modeling (BIM) tool, which can be used by more than one person working on a new project. This is an important feature in collaboration within a project, between projects, and with other users, firms, and disciplines.

**Course Objective:** To enable students who have a basic knowledge of Revit to increase their productivity while working with other people on a team, either in the same firm or with other firms, and while working with Revit files or other CAD files.

### Topics include:

- Setting up project phasing
- Creating and display a variety of design options
- Using groups
- Linking Revit files
- Importing and exporting files, including exporting for energy analysis
- Understanding, using, and setting-up worksets
- Optional: Using multi-discipline coordination

**Prerequisites:** Students should be comfortable with the fundamentals of Revit as taught in the *Revit Architecture 2011 Fundamentals* course. Knowledge of basic techniques is assumed, such as creating walls, roofs, and other objects, copying and moving objects, and creating and working with views, etc.

### Course Contents:

#### Chapter 1 Project Phasing and Design

##### Options

- 1.1 Project Phasing
- 1.2 Design Options

#### Chapter 2 Groups and Links

- 2.1 Using Groups
- 2.2 Modifying Groups
- 2.3 Linking Revit Files
- 2.4 Links and Groups
- 2.5 Visibility and Graphic Overrides in Linked Views

#### Chapter 3 Importing and Exporting

- 3.1 Importing Vector Files

#### 3.2 Modifying Imported Files

#### 3.3 Importing Raster Image Files

#### 3.4 Exporting Files

#### 3.5 Exporting for Energy Analysis (Optional)

#### Chapter 4 Project Team Collaboration

#### 4.1 Introduction to Worksets

#### 4.2 Opening and Saving Workset-Related Projects

#### 4.3 Working in Workset-Related Projects

#### 4.4 Setting up Worksets

#### 4.5 Best Practices for Worksets