Course Title: Revit Architecture - Advanced

Course Description:
Advanced studies in Revit Architecture, building on the material covered in the Revit Architecture - Essentials course.

Course Prerequisite(s):
Revit Architecture - Essentials or a good working familiarity with Revit Architecture

Course Objectives:
1. Review the benefits of using Revit for building design, visualization, detailing, and construction documents.
2. Direct students in starting new projects, creating and modifying levels, and using column grids. Learn to use design options to compare alternative designs.
3. Show how to create and modify different types of walls, doors, and windows.
4. Show how to create custom materials and apply them in renderings.
5. Show how to create and modify masses and various types of families.
6. Show and explain the creation of detail drawings and schedules.

Student Outcomes:
Upon completion of this course, the student should be able to:
1. Create custom building elements, including walls, doors, windows, curtain walls, roofs, etc.
2. Create design and construction documents with Revit Architecture.
3. Create custom materials and use them in rendered views of the model.
4. Learn to manipulate natural and artificial lighting to best show your model in renderings.
5. Use masses to study building shapes, and then convert them into actual building elements.
6. Import drawings from AutoCAD and SketchUp for use in Revit.
7. Explore topics requested by students in final class session.

Next Class Possibilities:
AutoCAD

Instructor Notes:

Textbook(s): OPTIONAL
Mastering Autodesk Revit 2017 for Architecture
Sybex, 978-1-119-24000-6

Required Materials:
Flash drive USB storage media (thumb drive) is recommended, not required.
Lesson Plan – by week or session
Session 1:
Session 2:
Session 3:
Session 4:
Session 5:
Session 6: