EID 319

Monday and Wednesday evenings

Laurent Chouari

Course Description

Students will learn how to create architectural construction documents using Revit.

Course Objectives

At the end of the course, students will be able to:

1. Demonstrate proficiency in the use of Revit as a means to produce architectural construction documentation (plans/blueprints).
2. Demonstrate proficiency in appropriately organizing information within the context of a construction set, as well as on individual construction sheets
3. Demonstrate an understanding of how to provide accurate takeoffs to assist in determining budgetary material costs for specified finishes, fixtures and equipment

Students will learn by doing. Upon completion, they will be able to confidently create construction documents. Construction documents include: title sheet, floor plan, elevations, electrical, lighting, countertop, soffit, flooring and detail plans, door, window, and finish schedules. During this course, students will learn a little about file organization, construction, budgeting and cabinetry.

Class Structure

Each class will begin with a review of what was addressed in the last class (approximately 10 minutes). There will be a chance for questions and then I will introduce the next topic (approximately 25 minutes). Students will then work on their projects; I will work with each student individually during this remaining time.

Grading

Grading is based on two factors:

1. attendance, class participation and preparation (30%), tests (35%), and projects (35%).
2. Positive attitude, initiative, and responsibility. Think of this course as an internship (extended job interview).

Tools to bring to each class

Notebook, something to write with

Semester Schedule

Week 1	project 1 Doors, walls, windows, floors, ceilings, families, components
Week 2	project 2 Duplicate components, text, levels
Week 3	room names, importing components
Week 4	customizing views
Week 5	roofs
Week 6	families, custom components
Week 7	project 3 Importing AutoCAD
Week 8	project 4 Detail view
Week 9	schedules, tags
Week 10	visibility graphics
Week 11	project 5
Week 12	exporting
Week 13	materials
Week 14	project 5
Week 15	project 5