Digital Tools: Revit Fundamentals

GTF: Christopher Deel (cdeel@uoregon.edu)
Time: Monday & Wednesday, 4:00 to 5:50 pm

Description
Building Information Modeling (BIM) is transforming architectural design and construction by combining 3D geometry with rich data about building components. Representing spaces, systems, materials and costs in one integrated “virtual building” allows more seamless collaboration throughout the building life-cycle. Enabling clients, designers, engineers and builders to see how building systems come together improves efficiency, reduces errors and allows control of greater complexity.

The course will cover the fundamentals of Revit Architecture 2010 with a dual focus: features and techniques for academic studio work, and skills for future internships and employment. We will learn to use Revit for conceptual, presentation, and documentation phases of a project. In addition to hands-on software skills, students will understand the concepts behind BIM, how it differs from traditional drafting and CAD, and the implications of this technology for the construction industry.

Instructor
Christopher Deel has nine years of experience in various architectural firms, in roles from drafter to construction administrator. This includes over two years as CAD Manager for WWCOT Architects in Los Angeles, where he helped implement BIM, train the staff, and develop company standards for Revit use. He is fascinated by BIM’s potential to help architects spend less time laboring over drawings and more time understanding and refining their designs. He is constantly learning new things about BIM and Revit, and enjoys introducing others to this powerful technology.

Format
Instruction is primarily hands-on: tutorials, demonstrations, and practical assignments with the software. This will be supplemented by occasional readings and discussions.

Software
Although classroom instruction will be on university computers, students will need access to their own copy of Revit Architecture 2010 (free for students from http://students.autodesk.com; runs on Windows only).