ARCH 399
DIGITAL TOOLS: REVIT FUNDAMENTALS
CRN - 37302

Grading: Pass/No Pass (2 Credits)
Time: Tuesday & Thursday 8:30am - 9:50am
Location: T.B.A.
Instructor: Katalin Czégé, AIA, LEED AP. KCzege@henneberyeddy.com

COURSE DESCRIPTION:
Building Information Modeling (BIM) is transforming architectural design and construction practice by combining 3D geometry with building component data. Representing the building spaces, systems, materials and costs in one integrated database 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.

COURSE OBJECTIVES:
This course will introduce students to using BIM for architectural design exploration, communication, and construction. The class will introduce essential software concepts and hands-on operations with Revit Architecture 2011. Hands-on exercises will lead students through the software interface, standard construction systems, creating parametric families and preparing construction documents.

COURSE FORMAT:
This course will meet twice a week with lectures, exercises, and homework assignments. Some lectures will be coordinated between Eugene and Portland campus. Selected guest speakers from prominent firms will present their use of the program. As an option, students can creatively use this class as an opportunity to integrate their own projects, however, this course’s main focus is to introduce a software as a design tool.

SOFTWARE AND HARDWARE:
The course is held in a computer lab, which will allow you to have access to the program. However, it is also highly recommended you install Autodesk Revit 2011 (FREE for students from the Autodesk website) on to your personal computers. For MAC users please install Windows using Bootcamp (It is highly recommended not to use Parallels, VMware and other dual operating systems due to Revit’s intensive utilizations of system resources.)