ARCH 399 - REVIT FUNDAMENTALS

Grading: Pass/No Pass (2 Credits)
Time: Tues and Thurs 10:00 am - 11:50 am
Location: 283M Lawrence
Instructor: Andika Murandi, Assoc. AIA
amurandi@bg-arch.com
Office hours: By appointment

COURSE DESCRIPTION
Building Information Modeling (BIM) is transforming architectural design and construction practice by streamlining the design and documentation process with a central 3D model. This integrated database allows changes made to the model to be reflected across all views and on the printable sheets. From Preliminary Design through Design Development, and into Construction Documents, BIM allows for seamless collaboration between different disciplines, which in the end improves efficiency, reduces errors and allows for better project control and management.

COURSE OBJECTIVE
This course will introduce students to the concepts of BIM and parametric building design through the use of Revit Architecture 2013. Students will learn about fundamental features of Revit Architecture 2013, such as user interface, basic tools and operations, and how to use them to work on design schematics, basic construction documentation and design visualization.

COURSE FORMAT
This course will meet twice a week and will include lectures with hands-on exercises, and assignments. The course’s main focus is to introduce the software as a design tool. As an option, students are also encouraged to integrate the knowledge they gain in this course creatively with their studio projects.

SOFTWARE AND HARDWARE
The course will be held in a computer lab, which will allow students to have access to Revit software. It is highly recommended however, that students install Autodesk Revit 2013 (FREE for students from the Autodesk website) into their personal computers. Since Revit is a Windows program, Mac users will need to install Windows in their machine using Bootcamp in order to install Revit. It is not recommended to use Parallels, VMware and other dual operating systems due to Revit’s intensive utilization of system resources.