

## DIGITAL REPRESENTATION FOR INTERIOR DESIGN

3.21.2017

WITH STUDENT LEARNING OUTCOMES

### Digital Representation for Interior Design (ID214, 3 credits)

#### Course Description:

This course covers the basic concepts and techniques of Computer-Aided Design and Drafting (CADD). The primary program used for this course is AutoCAD, the leading program in the industry. Two-dimensional drawing creation, editing techniques, and major commands are applied to design projects. Students focus on presentation techniques and professional office production practices. In addition, three-dimensional space will be explored with the creation of digital models focusing on the relationships of volume, form, plane, and surface along with developing methods of presenting work. The primary program to be used will be SketchUp. Other digital methods will also be used.

*Prerequisite: Drawing for Interior Design*

Students will:

1. Demonstrate knowledge of the basic commands and functions for the AutoCAD program. (PC 4)
2. Efficiently apply the AutoCAD program as a drawing tool for design projects. (PC 4)
3. Apply the conventions of visual representation for the interior design profession. (PC 3,4)
4. Build drawings with 3D software, such as Google SketchUp (GSU), and use it to represent their projects. (PC 1,4)

#### Required Texts:

- Ching, Francis DK, Architectural Graphics, Hoboken NJ: Wiley 2009  
ISBN: 978047039918 (\$27)

#### Supplementary Readings:

- Byrnes, David, AutoCad for Dummies, Hoboken NJ: Wiley, latest ed.  
ISBN: 97780470595398 (\$20)

#### Supplies:

- USB Flash drive/jump drive 2GB minimum (\$6)
- Architectural scale (\$8)

**Supplemental Supplies:** There are no supplementary supplies for this course.