Department of Art Syllabus: ART 470 Computer Generated Design II

Professor: Mrs. Mandy Berdami

Office Hours: Aven 405B, MW 3-4 p.m., T 9:30-11:30 a.m. or by appointment

Phone: 601-925-3957

Email: Berdami@mc.edu

I. ART 470 *Computer Generated Design II,* 3 Credit hours

II. PRE-REQUISITES: ART 469

III. TEXTBOOK:
Stine, Daniel J. & Hansen, Aaron. (2012). *Interior Design Using Autodesk Revit Architecture 2013.* KS: SDC Publications

IV. COURSE DESCRIPTION
Advanced architectural drafting using Autodesk Revit Architecture with emphasis placed on building information modeling.

V. RATIONALE
Many aspects of the interior design profession are dependent on speed and accuracy. Being able to originate and manipulate architectural drawings using computer-aided software is a skill that is increasing in demand among interior design and architectural firms. Proficiency in computer-aided design software increases the marketability of interior design students.

VI. LEARNING OBJECTIVES AND OUTCOMES
The student will be able to:
A. Communicate design ideas using Autodesk Revit Architecture
B. Create photo realistic perspective drawings using Autodesk Revit Architecture
C. Create floor plans, reflected ceiling plans, elevations, sections, schedules and construction documents using Autodesk Revit Architecture.

VII. COURSE TOPICS
The major topics to be considered are:
A. Autodesk Revit Architecture User Interface
B. Autodesk Revit Architecture Walls

C. Autodesk Revit Architecture Doors and Windows
D. Autodesk Revit Architecture Stairs
E. Autodesk Revit Architecture Roofs
F. Autodesk Revit Architecture Floors
G. Autodesk Revit Architecture Ceilings
H. Autodesk Revit Architecture Elevations
I. Autodesk Revit Architecture Sections
J. Autodesk Revit Architecture Schedules
K. Autodesk Revit Architecture Rendering
L. Autodesk Revit Architecture Design Options
M. Autodesk Revit Architecture Sheets and Sheet Lists

VIII. EVALUATION

See Department of Art Syllabus Addendum for Grading Scale and Evaluation

Review Questions:	50%
Final Project:	50%
TOTAL	100%

IX. LIST OF MATERIALS

Memory Drive
Autodesk Revit Architecture 2013
Notebook

X. REFERENCES

Kilmer, R. (2009). *Construction Drawings and Details for Interiors*. Hoboken, NJ: John Wiley and Sons, Inc.

Ching, F. (2008). *Building Construction Illustrated*. Hoboken, NJ: John Wiley and Sons, Inc.

McGowan, M. (2004). *Interior Graphic Standards*. Hoboken, NJ: John Wiley and Sons, Inc.

Rengel, R. (2011). *The Interior Plan: Concepts and Exercises*. New York, NY: Fairchild Publications

Harmon, S. & Kennon, K. (2011). *The Codes Guidebook for Interiors*. NJ: John Wiley and Sons, Inc.

Piotrowski, C. & Rogers, E. (2007). *Designing Commercial Interiors*. NJ: John Wiley and Sons, Inc.

Ballast, D. (2010). *Interior Design Reference Manual*. CA: PPI.

Bergman, D. (2012). Sustainable Design: A Critical Guide. NY: Princeton Architectural Press.