

Department of Art Syllabus

I. ART 469 *Computer Generated Design I*, 3 Credit hours

II. PRE-REQUISITES: ART 301

III. TEXTBOOK:

Muccio, D. (2013). *AutoCAD 2014 for the interior designer*.
Mission, KS: SDC Publications.

IV. COURSE DESCRIPTION

Introduction to basic principles of computer-aided drafting using Autodesk AutoCAD computer software. Focus will be on architectural drafting and design.

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 necessary among interior design and architectural firms. Proficiency in the use of AutoCAD increases the marketability of interior design students.

VI. LEARNING OBJECTIVES AND OUTCOMES

- A. The student will be able to use AutoCAD commands.
- B. The student will be able to plan an AutoCAD drawing using appropriate settings.
- C. The student will be able to make templates, save, and open drawings.
- D. The student will be able to draw basic shapes to a particular scale or measurement.
- E. The student will be able to place text on drawings.
- F. The student will have a working knowledge of drawing display options in creating layouts and plotting.
- G. The student will be able to apply basic editing commands in executing a drawing.
- H. The student will be able to setup toolbars within the screen display.
- I. The student will be able to dimension a drawing, create and insert blocks, and create layers.

VII. COURSE TOPICS

- A. Main Menu
- B. Draw Menu
- C. Modify Menu
- D. Block Menu

- E. Annotation Menu
- F. Layers Menu
- G. Paper Space
- H. Properties
- I. Utilities

VI. EVALUATION

See Department of Art Syllabus Addendum for Grading Scale

VII. REFERENCES

- Ballast, D. (2010). *Interior Design Reference Manual*. Belmont, CA: Professional Publications Inc.
- Mitton, M. (2012). *Interior Design Visual Presentation: A Guide to Graphics, Models and Presentation Techniques*. Hoboken, NJ: John Wiley & Sons, Inc.
- Gladfelter, D. (2012). *AutoCAD 2013 and AutoCAD LT 2013: No Experience Required (Autodesk Official Training Guides)*. Hoboken, NJ: John Wiley & Sons, Inc.
- Omura, G. (2012). *Mastering AutoCAD 2013 and AutoCAD LT 2013*. Hoboken, NJ: John Wiley & Sons, Inc.
- Kirkpatrick, B. & Kirkpatrick, J. (2012). *AutoCAD 2013 for Interior Design and Space Planning*. Upper Saddle River, NJ: Prentice Hall
- Harmon, S. & Kennon, K. (2011). *The Codes Guidebook for Interiors*. Hoboken, NJ: John Wiley and Sons, Inc.
- Piotrowski, C. & Rogers, E. (2007). *Designing Commercial Interiors*. Hoboken, NJ: John Wiley and Sons, Inc.