

## FLORIDA STATE COLLEGE AT JACKSONVILLE

## COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: IND 2463

COURSE TITLE: Computer Aided Design for Interiors II

PREREQUISITE(S): IND 1606 and TAR 2120

COREQUISITE (S): None

CREDIT HOURS: 3

CONTACT HOURS/WEEK: 5

CONTACT HOUR BREAKDOWN:

    Lecture/Discussion: 4

    Laboratory: 1

    Other \_\_\_\_\_:

FACULTY WORKLOAD POINTS: 4.5

STANDARDIZED CLASS SIZE  
ALLOCATION: 24

CATALOG COURSE DESCRIPTION:

This course is a continuation of the study of CAD for architectural drafting of interiors Focused on two and three dimensional techniques.

SUGGESTED TEXT(S): AutoCAD 2007, Interior Design 18

IMPLEMENTATION DATE: Fall Term, 2008 (20091)

REVIEW OR MODIFICATION DATE:

Rationale: This course will cover all terms and commands that are associated with computers in drafting. The student will understand the differences and the advantages with the CAD System compared to conventional drafting. The student will learn how to command the computer to do various drawings and edit these drawings. The various manufacturers will be compared.

Intent: The intent is to develop a clear understanding of the CAD System. The student will learn the history of the CAD System and Drafting as well as work on the CAD System.

COURSE TOPICS	<u>CONTACT HOURS PER TOPIC</u>
I. System requirements Refresher A. Hardware B. Software	+5
II. Getting started Refresher A. Screen layout B. Starting a drawing C. Setting system variables for new drawing D. Open, move, and resize the toolbars E. Move and resize the command line	+5
III. File management Refresher A. Files and folders B. Saving files C. Copying files D. Moving files E. Deleting files F. Searching for files and folders	+5
IV. Two-dimensional drawing A. Draw commands B. View commands C. Modify commands D. AutoCAD functions E. Individual room designs: Presentations for the individual rooms of the residence must include the following: <ol style="list-style-type: none"> <li>1. Floor plan with architectural symbols</li> <li>2. Background treatments</li> <li>3. Lighting plan</li> <li>4. Furniture               <ol style="list-style-type: none"> <li>a. Selection</li> <li>b. Arrangement</li> </ol> </li> </ol>	+10

COURSE TOPICS (CONTINUED)	CONTACT HOURS <u>PER TOPIC</u>
V. Plotting/printing refresher  A. Preparing to plot B. Previewing the plot C. Plotting the drawing	+5
VI. Drawing setup  A. Using a template B. Layers	+5
VII. Dimensioning and text  A. Text B. Dimensioning	+10
VIII. Building design-building shell and interior space plan  A. Selection of plumbing and kitchen fixtures-draw to scale B. Developing Building symbols C. Modify commands	+10
IX. Advanced editing and adding notations  A. Draw commands B. Dimensioning commands C. Modify commands D. Elevation symbols	+10
X. Custom furniture symbols and blocks- Technical skills  A. Selection of furniture pieces-Drawn to scale B. Furniture symbols reflect design of selected furniture C. Furniture symbol/specification software	+10
XI. Flooring Design -Technical skills A. Advanced flooring design. Can be based on historic Architecture or developed by the student	

## COURSE TOPICS (CONTINUED)

CONTACT HOURS  
PER TOPIC

## XII. Beyond the basics

+5

- A. Draw commands
- B. Modify commands
- C. AutoCAD functions
- D. Hatching
- E. Scale

## XIII. Finish Schedule, Tables and Graphics

- A. Import excel drawings into CAD for finish schedules
- B. Import images for paper space

## XIV. Photoshop Basics

- A. Screen Layout
- B. Starting a drawing
- C. Setting system variables for new drawing
- D. Open, move, and resize the toolbars
- E. Move and resize the command line
- F. Use color to render a basic floor plan

PROGRAM TITLE: Interior Design Technology

COURSE TITLE: Interior Design CAD: Design

CIP NUMBER: 0404.050100

LIST PERFORMANCE STANDARDS ADDRESSED:

NUMBER(S): TITLES(S):

01.0 IDENTIFY AND APPLY ELEMENTS AND PRINCIPLES OF BSIC DESIGN TO INTERIOR SPACES -- The student will be able to:

01.04 Analyze uses of line in interior design.

01.08 Illustrate scale.

04.0 SELECT AND ARRANGE FURNITURE, EQUIPMENT AND ACCESORIES -- The student will be able to:

04.02 Develop a furniture arrangement and traffic plan.

10.0 COMMUNICATE DESIGN CONCEPTS THROUGH VISUAL PRESENTATION SKILLS -- The student will be able to:

10.01 Use equipment to present interior design concepts.

10.02 Demonstrate the use and care of graphics equipment.

10.03 Demonstrate neatness and accuracy.

10.04 Execute line work.

10.05 Illustrate size and scale in a drawing.

10.09 Apply methods and techniques for three dimensional illustrations.

10.15 Apply design principles to layout.

10.17 Utilize lettering techniques and computer skills for visual presentations.

15.0 INCORPORATE EVALUATION, SPACE PLANNING, LAYOUT, WORK FLOW, AND DESIGN INTO A PROJECT -- The student will be able to:

15.01 Develop a plan for a total concept for interior design and home furnishings.

15.02 Apply design methods and techniques to a project in home interior design.

23.0 DEMONSTRATE A BASIC KNOWLEDGE OF COMPUTER SKILLS-- The student will be able to:

23.01 Demonstrate proficiency in word processing and other applications.



NOTE: Use either the Tab key or mouse click to move from field to field. The box will expand to accommodate your entry.

<b>Section 1</b>	
<b>COURSE PREFIX AND NUMBER:</b> <u>IND 2463</u>	<b>SEMESTER CREDIT HOURS:</b> <u>3</u>
<b>COURSE TITLE:</b> <u>Computer Aided Design for Interiors II</u>	

**Section 2**  
**TYPE OF COURSE: (Click on the box to check all that apply)**

AA Elective                       AS Required Professional Course                       College Prep  
 AS Professional Elective       AAS Required Professional Course                       Technical Certificate  
 Other \_\_\_\_\_  
 General Education: (For General Education courses, you must also complete Section 3 and Section 7)

**Section 3 (If applicable)**  
**INDICATE BELOW THE DISCIPLINE AREA FOR GENERAL EDUCATION COURSES:**

Communications                       Social & Behavioral Sciences                       Mathematics  
 Natural Sciences                       Humanities

**Section 4**  
**INTELLECTUAL COMPETENCIES:**

Reading     Speaking     Critical Analysis                       Quantitative Skills     Scientific Method of Inquiry  
 Writing     Listening     Information Literacy                       Ethical Judgment     Working Collaboratively

<b>Section 5</b>		
<b>LEARNING OUTCOMES</b>		<b>METHOD OF ASSESSMENT</b>
1	Students will be able to take a 2-dimentional floor plan and recreate this in CAD.	Graded assignments and projects
2	Students will be able to create custom furniture blocks to reflect the design and scale of actual furniture pieces.	Graded assignments and projects
3	Students will be able to import schedules and tables into CAD which they layout in paper space.	Graded assignments and projects
4	Students will learn the basics of Photoshop.	Graded assignments and projects

**Section 6**

Name of Person Completing This Form: Sheri Litt

Date: 01/25/08