

## FLORIDA STATE COLLEGE AT JACKSONVILLE

## COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: IND2318

COURSE TITLE: Interior Design Computer Graphics

PREREQUISITE(S): IND 2460

COREQUISITE(S): None

CREDIT HOURS: 3

CONTACT HOURS/WEEK: 4

CONTACT HOUR BREAKDOWN:

Lecture/Discussion: 2

Laboratory: 2

Other \_\_\_\_\_:

FACULTY WORKLOAD POINTS: 3

STANDARDIZED CLASS SIZE ALLOCATION: 24

## CATALOG COURSE DESCRIPTION:

This course is an advanced specialized study of contemporary graphic communication techniques with emphasis on individual professional objective. A variety of computer software will be integrated into the course to provide 3-dimensional and animated graphics.

SUGGESTED TEXT(S):

Chopra : Google SketchUp for Dummies

Onstott: Enhancing CAD Drawings with Photoshop

Chopra/Town: Wiley Pathways Introduction to Google Sketchup

IMPLEMENTATION DATE: Fall Term, 2006 (20071)

REVIEW OR MODIFICATION DATE: Fall Term, 2008 (20091)

COURSE TOPICS (CONTINUED)	CONTACT HOURS <u>PER TOPIC</u>
I. PRINTING & PLOTTING	4
A. Print/Plot responses _ Using the model	
B. Print/ Plot responses - Using a Layout Wizard	
C. Print/ Plot responses - Using Page Setup	
II. DRAWING & ADDING SPECIFICATIONS to FINISHINGS and the AUTO CAD DESIGN CENTER	4
A. Furniture word Plan with Furniture Specifications	
B. Extracting Attributes from Drawing	
C. Furniture Plan Using the Auto Cad Design Center	
III. THREE DIMENSIONAL	26
A. Basic Three Dimensional Models	(12)
1. Creating 3D Models using Elevation & Thickness	
2. 3D Shapes	
B. Solid Modeling	(14)
1. Drawing Primitive Solids	
2. Using Extrude to Draw Extruded Solids	
3. Using Revolve to Draw Revolved Solids; Using Rotate 3D to Rotate Solids about the x, y, & z axis.	
4. Using Chamfer and Fillet to Draw Chamfers and Fillets on Solid Edges.	
5. Using Union to Join Two Solids; Using Subtract to Subtract Solids from Other Solids.	
6. Using Intersection to Form a Solid Model from the Common Volume of Two Intersecting Solids	
IV. TEXTURE & COLOR in GRAPHIC SOFTWARE	8
A. Textured Application Techniques	
B. Color Rendering Techniques	
C. Animation	
V. CREATING PRESENTATION & CREATING a WEB PAGE	14
A. Model Space and Paper Space	
B. Creating a Printed Presentation by combing multiple Plans on one sheet of paper.	
C. Creating a Slide Show of Project Drawings	
D. Creating a Presentation	
1. Animation	
2. Points of View	

## COURSE TOPICS (CONTINUED)

CONTACT HOURS  
PER TOPIC

## 3. Perspectives

E. Creating a Slide Show

## VI. E-PORTFOLIO

4

A. Development Theme

B. Logo/Graphics

C. Project Selection &amp; Representation

D. Power Point/Text

PROGRAM TITLE: Interior Design Technology  
 COURSE TITLE: Interior Design Computer Graphics  
 CIP NUMBER: 0404.050100 A.A.S. / 1404.050100 A.S.

## LIST PERFORMANCE STANDARD ADDRESSED:

NUMBER(S): TITLES(S):

- 01.0 IDENTIFY AND APPLY ELEMENTS AND PRINCIPLES OF BASIC DESIGN TO INTERIOR SPACES—The student should be able to accomplish the following:
- 01.08 Define and demonstrate figure, ground, and spatial relationships:
  - 01.09 Define and demonstrate the primary elements of design form (i.e. point line plane and volume) and their role in all aspects of interior design and architecture.
  - 01.10 Describe and demonstrate the function of the visible spectrum and pigmentation as inherent properties of all design materials and their impact on color perception.
  - 01.11 Describe and demonstrate knowledge of the three dimensions of color.
  - 01.14 Identify and apply the categories of material and surface texture to appropriate interior needs and function.
  - 01.17 Interior Design identify, describe, and apply interior architectural and design elements not only to the function and use of the interior space, but also as an expressive factoring form and style.
- 03.0 PLAN FOR SPACE UTILIZATION ACCORDING TO IDENTIFIED FUNCTIONS - The student should be able to accomplish the following:
- 03.07 Describe and demonstrate comprehension of spatial adjacency, utilization, circulation, light, and function.
  - 03.12 Verify appropriate allocations of space according to programmatic needs.
- 04.0 SELECT AND ARRANGE FURNITURE, EQUIPMENT, AND ACCESSORIES - The student should be able to accomplish the following:
- 04.02 Develop a furniture arrangement and traffic plan.
  - 04.03 Select bathroom and kitchen fixtures and tile types for an interior design plan for both residential and non-residential buildings and public space.
- 10.0 COMMUNICATION DESIGN CONCEPTS THROUGH VISUAL AND ORAL PRESENTATION SKILLS --  
The student should be able to accomplish the following:
- 10.01 Use drafting equipment and computer programs to present interior design concepts.
  - 10.03 Demonstrate neatness and accuracy.
  - 10.04 Execute line work by hand and/or by CAD.
  - 10.06 Demonstrate overlapping techniques.
  - 10.09 Apply methods and techniques for three-dimensional illustrations.
  - 10.13 Create, analyze, and evaluate presentation techniques as vehicles for graphic illustration.
  - 10.14 Demonstrate layout techniques.
  - 10.15 Apply design principle to layout.

LIST PERFORMANCE STANDARD ADDRESSED: (CONTINUED)

NUMBER(S):            TITLES(S):

- 10.16 Evaluate professional presentation of graphic illustration.
- 10.17 Use lettering techniques and computer skills for visual and oral presentations.
- 10.18 Use graphic presentation skills in compiling and reviewing a portfolio.

15.0 INCORPORATE EVALUATION, SPACE PLANNING, LAYOUT, WORKFLOW, AND DESIGN INTO A PROJECT—The student should be able to accomplish the following:

- 15.01 Develop a plan for a total concept for interior design and furnishings.
- 15.02 Apply design methods and techniques to a project in residential and nonresidential interior design.

23.0 DEMONSTRATE A BASIC KNOWLEDGE OF COMPUTER SKILLS -The student should be able to accomplish the following:

- 23.01 Demonstrate proficiency in word processing and other applications.
- 23.04 Research sources on the Internet.



**Florida State College  
At Jacksonville**

**Course Learning Outcomes & Assessment  
For All College Credit Courses**

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>	
COURSE PREFIX AND NUMBER: <b>IND 2318</b>	SEMESTER CREDIT HOURS: <b>3</b>
COURSE TITLE: <u>Interior Design</u> <b>Computer Graphic</b>	

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

<input type="checkbox"/> AA Elective	<input checked="" type="checkbox"/> AS Required Professional Course	<input type="checkbox"/> College Prep
<input type="checkbox"/> AS Professional Elective	<input checked="" type="checkbox"/> AAS Required Professional Course	<input type="checkbox"/> Technical Certificate
<input type="checkbox"/> Other _____		
<input type="checkbox"/> 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:

<input type="checkbox"/> Communications	<input type="checkbox"/> Social & Behavioral Sciences	<input type="checkbox"/> Mathematics
<input type="checkbox"/> Natural Sciences	<input type="checkbox"/> Humanities	

**Section 4**  
INTELLECTUAL COMPETENCIES:

<input type="checkbox"/> Reading	<input checked="" type="checkbox"/> Speaking	<input type="checkbox"/> Critical Analysis	<input type="checkbox"/> Quantitative Skills	<input type="checkbox"/> Scientific Method of Inquiry
<input type="checkbox"/> Writing	<input type="checkbox"/> Listening	<input checked="" type="checkbox"/> Information Literacy	<input type="checkbox"/> Ethical Judgment	<input type="checkbox"/> Working Collaboratively

<b>Section 5</b>	
LEARNING OUTCOMES	METHOD OF ASSESSMENT
• Students will be able to draw basic 3-dimensional models of interior spaces using a computer program.	Graded projects and assignments
• Students will be able to use computer color rendering techniques adding texture and color to drawings.	Graded projects and assignments
• Students will be able to print and plot their computer generated drawings.	Graded projects and assignments
•	

**Section 6**  
Name of Person Completing This Form: Sheri Litt Date: 11/28/2007