FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER:	IND 1935
COURSE TITLE:	Building and Barrier Free Codes
PREREQUISITE(S):	None
COREQUISITE(S):	None
CREDIT HOURS:	2
CONTACT HOURS/WEEK:	2
CONTACT HOUR BREAKDOWN:	
Lecture/Discussion:	1
Laboratory: (Instructional)	1
Other _____:	
FACULTY WORKLOAD POINTS:	1.5
STANDARDIZED CLASS SIZE ALLOCATION:	24

CATALOG COURSE DESCRIPTION:

This course addresses contract documents, as well as, building interior systems that applies to the interior environment. The content also examines standards related to life safety, building codes, barrier free, and testing.

SUGGESTED TEXT(S):	David K. Ballast, Interior Design Reference Manual. Professional Publications, Inc., Latest Edition
OPTIONAL TEXT:	Building Codes Illustrated; Ching, Latest Edition
IMPLEMENTATION DATE:	Fall Term, 1996 (971)
REVIEW OR MODIFICATION DATE:	Fall Term, 2002 (20031) Fall Term, 2008 (20091)

COURSE TOPICS	CONTACT HOURS PER TOPIC
I. Human Factors	4
A. Anthropometrics B. Ergonomics C. Human Comfort D. Psychological & Social Influences	
II. Building and Interior Systems	10
A. Partitions B. Doors and interior glass C. Ceilings D. Millwork E. Finishes 1. Flooring 2. Wall finishes	
III. Acoustics	3
A. Fundamentals of sound B.Sound Transmission C.Sound Absorption D. Sound Control	
IV. Mechanical and Electrical Systems	3
A. HVAC B. Electrical C. Plumbing D. Fire Protection E. Vertical Transportation	
V. Codes/Standards Knowledge	10
A. Life Safety 1. Fire Resistant Construction 2. Materials 3. Toxicity 4. Occupancy Load 5. Smoke and Fire Control B. Building Codes 1. Clearances 2. Exits 3. Minimums 4. Separation Requirements 5. Travel Distances 6. Habitable Spaces	

COURSE TOPICS (CONTINUED)

CONTACT HOURS
PER TOPIC

7. Assembly
8. Signage
9. Classification of Space/Use Group

C. Barrier Free
1. Mobility
2. Clearances
3. Egress
4. Door Swings
5. Signage Identification
6. Service Locations
7. Plumbing

D. Testing Standards
1. Classes of Buildings and Materials
2. Agencies
3. Test Types
4. Ratings
5. Purpose

OBJECTIVES:

Upon completion of this course, the student will be able to:

1. Identify building elements.
2. Understand building construction.
3. Understand types of construction.
4. Understand materials.
5. Demonstrate an awareness of Mechanical and Electrical Systems.
6. Demonstrate an awareness of life safety as it applies to
   a. fire resistant construction
   b. materials
   c. toxicity
   d. occupancy load
   e. smoke and fire control
7. Demonstrate an understanding of building codes as it relates to
   a. clearances
   b. exits
   c. minimums
   d. separation requirements
   e. travel distances
   f. habitable spaces
   g. assembly
   h. signage
   i. classification of space/use group
8. Demonstrate an understanding of barrier free as it applies to
   a. mobility
   b. clearances
   c. egress
   d. door swings
   e. signage identification
   f. service locations
   g. plumbing
9. Demonstrate an understanding of testing standards as it relates to
   a. classes of building and materials
   b. agencies
   c. test types
   d. ratings
   e. purpose

EVALUATION TECHNIQUE:

Examination

PROGRAM TITLE: Interior Design Technology

COURSE TITLE: Building and Barrier Free Codes

CIP NUMBER: 0404.050100

LIST PERFORMANCE STANDARD ADDRESSED:

NUMBER(S): TITLES(S):

21.0 IDENTIFY BUILDING CODES, REGULATIONS AND LEGISLATION RELATING TO RESIDENTIAL AND NONRESIDENTIAL SPACES -- The student will be able to:

21.02 Identify legislation for barrier-free environment.
21.03 Identify regulations regarding fire codes.

08.0 IDENTIFY METHODS AND SYSTEMS OF BUILDING CONSTRUCTION -- The student will be able to:

08.01 Identify methods and techniques of house construction.
08.02 Identify foundation and structural principles.
08.03 Identify wiring types and methods.
08.04 Identify plumbing options.
08.05 Analyze structural components of house construction.
08.06 Plan supportive physical systems for interior spaces.
08.07 Analyze ventilation needs and methods of achieving them in planned interiors.
08.08 Evaluate energy usage within systems and spaces.

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.

Section 1

COURSE PREFIX AND NUMBER: IND1935

SEMESTER CREDIT HOURS: 3

COURSE TITLE: Building and Barrier Free

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

Section 5

	LEARNING OUTCOMES	**METHOD OF ASSESSMENT**
1	Students will be able to identify building elements, understand building conservation and materials.	Graded exams
2	Students will be able to demonstrate an awareness of mechanical and electrical systems.	Graded exams
3	Students will be able to demonstrate an understanding of building codes as it relates to entrances, exits, minimums, assembly, and classification of space.	Graded assignments and exams
4	Students will be able to demonstrate an understanding of barrier free as it applies to mobility, clearance, egress, door swings, and service locations.	Graded assignments and exams
5	Students will be able to demonstrate an understanding of test standards as it relates to classes of building and materials.	Graded assignments and exams

Section 6

Name of Person Completing This Form: Sheri Litt **Date:** 11/27/2007