INDE 52 Course Outline as of Fall 2019

CATALOG INFORMATION

Dept and Nbr: INDE 52 Title: INTER ENVR & SPACE PLAN Full Title: Interior Environment and Space Planning Last Reviewed: 9/11/2023

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	2.00	17.5	Lecture Scheduled	35.00
Minimum	3.00	Lab Scheduled	3.00	6	Lab Scheduled	52.50
		Contact DHR	0		Contact DHR	0
		Contact Total	5.00		Contact Total	87.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 70.00

Total Student Learning Hours: 157.50

Title 5 Category:	AA Degree Applicable
Grading:	Grade Only
Repeatability:	00 - Two Repeats if Grade was D, F, NC, or NP
Also Listed As:	
Formerly:	INDE 80.1

Catalog Description:

Analysis and application of design concepts, space planning techniques and resources necessary to creatively solve problems related to the function and quality of our human environment. The integration of barrier-free design, resource management and environmental psychology into a functional design is explored.

Prerequisites/Corequisites: Course Completion of INDE 20 and INDE 50

Recommended Preparation:

Limits on Enrollment:

Schedule of Classes Information:

Description: Analysis and application of design concepts, space planning techniques and resources necessary to creatively solve problems related to the function and quality of our human environment. The integration of barrier-free design, resource management and environmental psychology into a functional design is explored. (Grade Only) Prerequisites/Corequisites: Course Completion of INDE 20 and INDE 50

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree: CSU GE:	Area Transfer Area	L	Effective: Effective:	Inactive: Inactive:	
IGETC:	Transfer Area	l	Effective:	Inactive:	
CSU Transfer	:Transferable	Effective:	Fall 1981	Inactive:	
UC Transfer:		Effective:		Inactive:	

CID:

Certificate/Major Applicable:

Both Certificate and Major Applicable

COURSE CONTENT

Student Learning Outcomes:

At the conclusion of this course, the student should be able to:

1. Analyze and solve space planning problems using the physical, psychological and sociological

factors that influence client preferences and drive design solution.

- 2. Prepare a floor plan and color board to illustrate residential space planning that incorporates the specific needs of a client and/or special populations.
- 3. Explore the functional needs of people living in each room of a residence and how those needs

might be met.

Objectives:

At the conclusion of this course, the student should be able to:

- 1. Identify, analyze, describe and interpret design principles and integrate them into spatial compositions.
- 2. Evaluate user needs to develop appropriate design parameters.
- 3. Communicate interior design concepts in accurate and professional graphic, oral and written formats.
- 4. Utilize creative visual presentation techniques for communication of design solutions.
- 5. Demonstrate the use of design applications for special populations.
- 6. Demonstrate the use of universal design principles in the planning of residential living space.
- 7. Demonstrate knowledge of resource management and environmental responsibility in specifying materials for design projects.
- 8. Develop and implement a post-occupancy evaluation (POE) for determining client satisfaction.

Topics and Scope:

I. Evaluating User Needs

- A. Client questionnaire
- B. Developing a client profile
- C. Post-Occupancy Evaluation (POE)
- II. Communicating Interior Design Concepts
 - A. Graphic formats
 - 1. Plans
 - 2. Elevations
 - 3. Sections
 - 4. 3-D rendering
 - 5. Perspective
 - 6. Material boards
 - B. Oral formats
 - C. Written formats
- III. Historical, Regional, Cultural Design Influences & Styles
- IV. Design Concepts As Related to Space Planning
 - A. Principles
 - B. Space defining elements
 - 1. Primary elements and shapes
 - 2. Positive Space and Negative Space
 - 3. Cubic Space
- V. Organization and Ordering Principles for Space Planning
 - A. Matrix
 - B. Bubble diagrams
 - C. Space allotments and standards
 - D. Human factors
 - E. Function
 - F. Anthropomorphy, proportion and scale
 - G. Psychological and sociological considerations
 - H. Environmental considerations
 - I. Qualities of architectural spaces
- VI. Design for Special Populations
 - A. Americans with Disabilities Act (ADA)
 - B. Elderly
 - C. Children
 - D. Universal design principles
- VII. Architectural Details
- VIII. Furniture Selections and Arrangements
- IX. Material Selections and Specifications
 - A. Wall
 - B. Window
 - C. Floor
 - D. Resource management and environmental responsibility

Assignment:

- 1. Reading (8-20 pages per week)
- 2. Personal Essay
- 3. Case Studies (1-3)
- 4. Drawing Exercises (2-4)
- 5. Design Concept Sketches (3-5)
- 6. Space Planning Layouts (5-8)
- 7. Design Journal

- 8. Post-Occupancy Evaluation (POE)
- 9. Student Presentations (1-2)
- 10. Quizzes (0-3)
- 11. Midterms and Final (1-2)
- 12. Final Project Construction Documents & Client Notebook

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Journal, Essay, Case Studies

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Post-Occupancy Evaluation

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

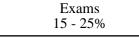
Presentations, Exercises, Sketches, Layouts, Final Project

Exams: All forms of formal testing, other than skill performance exams.

Quizzes and Exams

Other: Includes any assessment tools that do not logically fit into the above categories.

Attendance and Participation



Writing

10 - 25%

Problem solving

5 - 10%

Skill Demonstrations

40 - 55%

Other Category 0 - 10%

Representative Textbooks and Materials:

Architectural Drafting And Design. 7th ed. Jefferies, Alan and Madsen, David. Cengage. 2017 Space Planning Basics. 4th ed. Karlen, Mark and Fleming, Rob. Wiley & Sons. 2016