

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

Recommended:
Limits on Enrollment:
Transfer Credit: CSU;
Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

| | | | |
|----------------------|----------------------|----------------------|-----------|
| AS Degree: | Area | Effective: | Inactive: |
| CSU GE: | Transfer Area | Effective: | Inactive: |
| IGETC: | Transfer Area | 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

Writing
10 - 25%

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

Post-Occupancy Evaluation

Problem solving
5 - 10%

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

Presentations, Exercises, Sketches, Layouts, Final Project

Skill Demonstrations
40 - 55%

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

Quizzes and Exams

Exams
15 - 25%

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

Attendance and Participation

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