

**INDE 52 Course Outline as of Spring 2012****CATALOG INFORMATION**

Dept and Nbr: INDE 52 Title: INTER ENVR &amp; 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 concept of integrating 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:**

Eligibility for ENGL 100 or ESL 100 and Course Completion or Concurrent Enrollment in INDE 128

**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 concept of integrating 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: Eligibility for ENGL 100 or ESL 100 and Course Completion or Concurrent Enrollment in INDE 128

Limits on Enrollment:

Transfer Credit: CSU;

Repeatability: Two Repeats if Grade was D, F, NC, or NP

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:

<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
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<b>CSU Transfer:</b>	Transferable	Effective:	Fall 1981	Inactive:
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<b>UC Transfer:</b>	Effective:	Inactive:
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**CID:**

**Certificate/Major Applicable:**

Both Certificate and Major Applicable

## **COURSE CONTENT**

### **Outcomes and Objectives:**

Upon completion of this course, students will be able to:

1. Identify, analyze, describe and interpret design principles and integrate 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. Assess cultural, regional and historical interior design styles and factors that affect design solutions.
5. Utilize creative visual presentation techniques for communication of design solutions.
6. Demonstrate the use of design applications for special populations.
7. Demonstrate the use of universal design principles in the planning of residential living space.
8. Demonstrate knowledge of resource management and environmental responsibility in specifying materials for design projects.
9. 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
- II. Communicating Interior Design Concepts
  - A. Graphic formats
  - B. Oral formats
  - C. Written formats

### III. Historical, Regional, Cultural Design Influences & Styles

#### IV. Design Concepts

##### A. Principles

##### B. Space defining elements

###### 1. Primary elements and shapes

###### 2. Space and anti-space

#### V. Organization and Ordering Principles for Space Planning

##### A. Matrix

##### B. Bubble diagrams

##### C. Space allotments and standards (furniture sizes)

##### 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. ADA (Americans with Disabilities Act)

##### 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

#### X. Presentation Techniques

##### A. Plans

##### B. Elevations

##### C. Sections

##### D. 3-D rendering

##### E. Perspective

##### F. Material boards

##### G. Post-occupancy evaluation (POE)

### **Assignment:**

1. Reading: 8 - 20 pages per week

2. Writing assignments:

a) Personal essay

b) Journal

3. Lab:

a) Space planning projects (5 - 8)

b) Drawing projects (2-4)

c) Design concepts (3-5)

4. Post-occupancy evaluation (POE)

5. Research projects (1-3): case studies

6. Student presentations of case studies

7. Quizzes (1-3); midterm; final exam

8. Design project

## 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.

Lab projects; oral presentation; design project

Skill Demonstrations  
30 - 45%

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

Exams to include multiple choice, matching items, completion, short answer

Exams  
20 - 25%

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

Attendance and participation

Other Category  
5 - 10%

## Representative Textbooks and Materials:

Jefferies, Alan & Madsen, David. Architectural Drafting And Design, 6th edition, Thompson/Delmar Learning, 2010.

Instructor prepared materials