

CATALOG INFORMATION

Dept and Nbr: INDE 65                      Title: BARRIER FREE CONCPT  
Full Title: Building and Barrier Free Concepts in Interior Design  
Last Reviewed: 9/20/2010

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

Total Out of Class Hours: 105.00

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:

**Catalog Description:**  
This class will explore the concepts set forth under the California Code for building and barrier free regulations. Mechanical and non- mechanical environmental systems will be included, such as heating, cooling, and solar energy.

**Prerequisites/Corequisites:**

**Recommended Preparation:**  
Eligibility for ENGL 100A or ENGL 100 or ESL 100.

**Limits on Enrollment:**

**Schedule of Classes Information:**  
Description: This class will explore the concepts set forth under the California Code for building & barrier free regulations. Mechanical & non-mechanical environmental systems will be included, such as heating, cooling & solar energy. (Grade Only)  
Prerequisites/Corequisites:  
Recommended: Eligibility for ENGL 100A or ENGL 100 or ESL 100.  
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:
<b>CSU Transfer:</b>	Transferable	Effective:	Spring 1993	Inactive:	Fall 2007
<b>UC Transfer:</b>		Effective:		Inactive:	

**CID:**

**Certificate/Major Applicable:**  
Certificate Applicable Course

## **COURSE CONTENT**

### **Outcomes and Objectives:**

1. List the types of buildings and facilities that must provide access for the physically handicapped or people with physical disabilities.
2. Describe the exceptions that an enforcing agency can grant due to an unreasonable hardship.
3. Review kitchen accessibility requirements for handicapped persons.
4. Review bathroom accessibility requirements for handicapped persons.
5. Describe temperature control and how it relates to the environment.
6. List the energy sources available for use today.
7. Compare the different types of heating and cooling systems available.
8. Describe how to control the air quality in various rooms of the home.
9. Review methods of sanitary control.
10. Review methods of sound control.
11. Review methods of controlling natural light.

### **Topics and Scope:**

Regulations that provide occupancy requirements

- a. hotels
- b. motels
- c. dormitory buildings or complexes
- d. living accommodations - public funded- city or county

Exceptions granted for unreasonable hardship

Types of rooms within hotels, motels and dormitory buildings or facilities

- a. guest rooms
- b. public rooms
- c. recreational facilities
- d. kitchens
- e. bathrooms

Review the exceptions to the code regarding publically funded living

accommodations.

- a. unreasonable hardship
- b. construction of a building on a steep site

Special provisions for kitchens and bathrooms

- a. dimensions for openings
- b. requirements for fixtures, installation heights and locations.

Temperature control

- a. energy consumption
- b. energy conservation

Air quality control

- a. balancing air temperature, humidity and circulation
- b. ventilation systems

Sanitary control

- a. building codes ensure safe standards for plumbing for water supply.  
disposal of waste sewage
- b. water purifiers
- c. vents and traps to prevent seepage of sewer-gas odors into house

Sound control

- a. noise levels
- b. zones in home for noise
- c. external noise
- d. sound proofing
- e. acoustical control

Light control

- a. natural light source
- b. light as a form of energy

### Assignment:

Notebook and Glossary

Reference readings

Market Place study on nonmechanical and mechanical energy sources

Floor Plan showing barrier free access

Midterm and final exam

### 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.

Written homework, Term papers,  
NOTEBOOK/GLOSSARY

Writing  
15 - 30%

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

Exams

Problem solving  
15 - 30%

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

FLOOR PLAN PRESENTATION

Skill Demonstrations  
15 - 30%

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

Multiple choice, True/false, Completion, SHORT ESSAY

Exams  
10 - 15%

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

CLASS PARTICIPATION AND ATTENDANCE

Other Category  
5 - 10%

**Representative Textbooks and Materials:**

Interior Design Reference Manual by David K. Ballast, AIA  
Professional Publications, Inc. 1992