

INDE 63 Course Outline as of Spring 2011**CATALOG INFORMATION**

Dept and Nbr: INDE 63 Title: INTER PRD MTRLS LIGHTING

Full Title: Interior Products, Materials, and Lighting

Last Reviewed: 1/25/2021

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	6	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:

Introduction to products and materials used in interior design, including flooring, wall coverings, furniture, window treatments, accessories and interior lighting for residential and commercial interiors. Design concerns and energy-saving features will be addressed.

Prerequisites/Corequisites:**Recommended Preparation:**

Eligibility for ENGL 100 or ESL 100

Limits on Enrollment:**Schedule of Classes Information:**

Description: Introduction to products and materials used in interior design, including flooring, wall coverings, furniture, window treatments, accessories and interior lighting for residential and commercial interiors. Design concerns and energy-saving features will be addressed. (Grade Only)

Prerequisites/Corequisites:

Recommended: Eligibility for 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:

AS Degree:	Area	Effective:	Inactive:
CSU GE:	Transfer Area	Effective:	Inactive:
IGETC:	Transfer Area	Effective:	Inactive:
CSU Transfer:	Transferable	Effective: Fall 2007	Inactive:
UC Transfer:		Effective:	Inactive:

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 and describe materials and products commonly used in interiors and their components and characteristics.
2. Identify and describe the functions of systems and technologies commonly used in interiors.
3. Select and analyze materials and products for suitability to a particular interior design.
4. Incorporate appropriate materials, products, and systems into an interior design projects.
5. Identify materials, products, and design solutions suitable for environmentally sustainable and green design.

Topics and Scope:

- I. Textiles used in interior design
 - A. Origins of fibers
 - B. Construction of yarns
 - C. Construction of fabrics
 - D. Fabric finishes for interior design fabrics
 - E. Fabric weights
- II. Wood products and characteristics
 - A. Softwoods
 - B. Hardwoods
 - C. Composite wood products
 - D. Wood grains
 - E. Joining methods
 - F. Case goods materials
 - G. Wood finishes
- III. Furniture
 - A. Metal furniture
 - B. Other furniture materials

- C. Upholstered furniture
- IV. Flooring products and their characteristics
 - A. Hard surface
 - B. Resilient floor surfaces
 - C. Soft floor surfaces
 - D. Carpet types, installation methods, and pads
 - E. Rugs
- V. Wall and ceiling materials
 - A. Hard and rigid wall structures
 - B. Paint
 - C. Wall coverings
 - D. Ceiling treatments
- VI. Window treatments
 - A. Function and characteristics
 - B. Soft window coverings
 - C. Top treatments
 - D. Drapery hardware
 - E. Alternative window treatments
 - F. Non-residential considerations
- VII. Architectural detail
 - A. Walls
 - B. Doors
 - C. Windows
 - D. Stairs
 - E. Fireplaces and chimney pieces
 - F. Ceilings
 - G. Non-residential considerations
- VIII. Ceramics
 - A. Clay bodies
 - B. Forms
 - C. Ornamentation
- IX. Glass
 - A. Production process
 - B. Types
 - C. Ornamentation
 - D. Architectural
- X. Metals
 - A. Characteristics
 - B. Types
- XI. Plastics
 - A. Family of plastics
 - B. Characteristics of various plastics
 - C. Uses of various plastics
 - D. Environmental issues
- XII. HVAC systems
 - A. Heating
 - B. Ventilation
 - C. Air conditioning
 - D. Plumbing
 - E. Electrical
- XIII. Acoustics
 - A. Sound measurement devices

- B. Reverberation
 - C. Sound buffers
 - D. Insulating materials and devices
 - E. Special construction materials and techniques
- XIV. Lighting systems
- A. Lighting goals
 - B. Lighting types
 - C. Lighting functions
 - D. Effects of lighting on interiors
 - E. Lighting and seasonal affective disorder
 - F. Mood lighting
 - G. Glare
 - H. Power terminology
 - I. Luminaries or lighting fixtures
 - J. The future of lighting
 - K. Non-residential lighting
 - L. Title 24 lighting standards impact
- XV. Interior technologies
- A. Wiring
 - B. Technological control devices
 - C. Information age home automation systems
 - D. Information age wiring and installation
 - E. Built-in systems for residential
 - F. Communication systems
 - G. Home security systems
- XVI. Environmentally sustainable and green design overview
- A. Definitions
 - B. Function
 - C. Outdoor environmental issues
 - D. Indoor environmental issues
 - E. Ventilation
 - F. Design solutions for resource conservation and pollution prevention
 - G. Indoor air quality
 - H. Materials and products

Assignment:

1. Read approximately 20 - 40 pages per week
2. Notebook of class notes and handouts
3. Glossary file: 40 - 50 labeled examples (materials samples or photos) of interior products and materials
4. Research a "green" product and write a 2 - 5 page paper
5. 4 - 10 worksheets on products and materials
6. 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.

Research paper	Writing 10 - 20%
Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.	
Worksheets; glossary file	Problem solving 30 - 40%
Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.	
None	Skill Demonstrations 0 - 0%
Exams: All forms of formal testing, other than skill performance exams.	
Exams: multiple choice, true/false, completion, short answer	Exams 20 - 30%
Other: Includes any assessment tools that do not logically fit into the above categories.	
Attendance and participation; notebook	Other Category 10 - 20%

Representative Textbooks and Materials:

Nielson, Karla J. Interiors: An Introduction. McGraw-Hill Companies, 2006. 4th Ed.