

INDE 63 Course Outline as of Fall 2007

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	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:
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:
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CSU Transfer:	Transferable	Effective:	Fall 2007	Inactive:
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UC Transfer:	Effective:	Inactive:
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CID:

Certificate/Major Applicable:

Certificate Applicable Course

COURSE CONTENT

Outcomes and Objectives:

Upon completion of this course, the student will be able to:

1. Identify and describe materials and products commonly used in interiors and their components and/or 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.
5. Identify materials, products, and design solutions suitable for green/environmentally sustainable 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/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/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 (heating, ventilating, air conditioning) 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--residential
 - F. Communication systems
 - G. Home security systems
- XVI. Green design/environmentally sustainable 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 examples (materials samples or photos) of interior products and materials, labeled.
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.

Term papers

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.

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.