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:

CSU Transfer: Transferable Effective: Fall 2007 Inactive:

UC Transfer: Effective: Inactive:

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.