

ID A150: INTERIOR MATERIALS AND PRODUCTS

Item	Value
Curriculum Committee Approval Date	12/11/2013
Top Code	130200 - Interior Design and Merchandising
Units	3 Total Units
Hours	54 Total Hours (Lecture Hours 54)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	Yes
Basic Skills	Not Basic Skills (N)
Repeatable	No
Grading Policy	Standard Letter (S)

Course Description

Analysis, application and evaluation of products and materials used in interior design. Includes interior textiles, furnishings, and finish materials and products. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Identify the types of interior materials and products available for the built environment and common installation methods.
2. Determine materials, resources and products based on end user needs specific to functional, aesthetic and maintenance requirements that are safe for the environment, health and welfare of the general public.
3. Prepare written specifications and graphic depictions of interior furnishings and finish materials and their intended use.

Course Objectives

- 1. Analyze and specify interior furnishings, finish materials and products taking into consideration functional, aesthetic, and maintenance needs.
- 2. Research resources and identify market centers and distribution channels for interior furnishings, finish materials, and products.
- 3. Evaluate interior textiles for fiber, yarn structure, fabrication, dye/print methods and finishes for application in interior spaces.
- 4. Evaluate interior textile products and their relationship to safety, maintenance and environmental factors.
- 5. Identify testing methods and standards used to determine code compliance for interior furnishings, finish materials, and products.
- 6. Analyze characteristics of materials used in construction of interior furnishings.
- 7. Write specifications for interior furnishings, finish materials, and products.
- 8. Identify installation criteria for interior and architectural materials.
- 9. Communicate thoughts, ideas, and information in oral and written form.
- 10. Research materials and resources for interior furnishings and finish materials which are safe for the environment and health and welfare of the general public.

Lecture Content

Performance evaluation of interior furnishings, finish materials products. Quality Durability Maintenance Environment Health and safety Installation Life cycle costing Professional and product liability Regulations and standards Building codes Product standards Procedures for code compliance Performance systems approach Documenting material evaluation Testing standards and methods Flammability testing Materials and evaluation Interior textiles Aesthetics Color Texture Pattern Fabrics in use Window coverings Furniture Walls and ceilings Fabric facts Fibers Yarns Constructions Finishing Dyes and dyeing Printing Fabric maintenance Interior materials and finishes Floor systems: rugs and carpets Project evaluation Carpet specification Health-safety factors Carpet padding Installation methods Maintenance Resilient and hard-surface flooring Resilient flooring Hard-surface flooring Health-safety criteria Installation Maintenance Energy criteria Interior wall finishes Pliant wallcoverings Coating systems Wall paneling Health-safety factors Installation Window systems Performance criteria Health-safety criteria Soft window coverings Hard window coverings Life-cycle costing of window systems Installation Energy criteria Furniture Determining quality Types Wooden furniture (hardwood and softwood; other forms of wood; case goods; wood grains; joining methods; wood finishes; terminology Other furniture materials (metal; wicker, rattan, cane and rush; plastic Upholstered furniture (upholstery flammability standards; frames; springs; cushioning; coverings; terminology Systems furniture Maintenance Environmental Sustainability Performance criteria Life-cycle analysis and cost Sustainable design principals Energy efficiency Water efficiency Manufacturing processes

Method(s) of Instruction

- Lecture (02)
- DE Online Lecture (02X)

Instructional Techniques

Lecture, demonstration, laboratory, critique (instructor/student), video, research, and student presentation.

Reading Assignments

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Writing Assignments

1. Analyze and select appropriate products and materials for a variety of interior spaces in a mixed use project. 2. Prepare and organize a comprehensive specification notebook including product information sheets, finish legends and representative product and material samples for a mixed use interior design project. 3. Produce a physical or digital material/finish board based on the specifications included in the comprehensive specification notebook. 4. Write a report along with a visual presentation for a professional case study project analyzing the material and product choices culminating in a verbal presentation to the class.

Out-of-class Assignments

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Demonstration of Critical Thinking

Student projects, class presentations, research, examinations, student participation.

Required Writing, Problem Solving, Skills Demonstration

1. Analyze and select appropriate products and materials for a variety of interior spaces in a mixed use project. 2. Prepare and organize a comprehensive specification notebook including product information sheets, finish legends and representative product and material samples for a mixed use interior design project. 3. Produce a physical or digital material/finish board based on the specifications included in the comprehensive specification notebook. 4. Write a report along with a visual presentation for a professional case study project analyzing the material and product choices culminating in a verbal presentation to the class.

Textbooks Resources

1. Required Godsey, Lisa. Interior Design Materials and Specifications, ed. New York: Fairchild Books, 2007