

INTD-2330: INTERIOR DESIGN MATERIALS AND SOURCES

Cuyahoga Community College

Viewing: INTD-2330 : Interior Design Materials and Sources

Board of Trustees:

January 2024

Academic Term:

Fall 2024

Subject Code

INTD - Interior Design

Course Number:

2330

Title:

Interior Design Materials and Sources

Catalog Description:

Review various interior finishes and materials through lectures, field trips, projects, and research assignments. Apply criteria for specifying materials and finishes of interior spaces using Construction Specifications Institute (CSI) MasterFormat specifications and Furniture, Finishes and Equipment (FF&E) specifications. Gain general knowledge and application of types of textiles used in commercial and residential spaces.

Credit Hour(s):

3

Lecture Hour(s):

2

Lab Hour(s):

3

Other Hour(s):

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Requisites

Prerequisite and Corequisite

INTD-1111 Introduction to Interior Design, INTD-1101 Hand Drafting and Sketching for Interiors, and MATH-1190 Algebraic and Quantitative Reasoning or Any Approved Ohio Transfer 36 Mathematics course, or concurrent enrollment.

Outcomes

Course Outcome(s):

Apply and select appropriate materials, finishes and products for an interior application on the basis of their properties and performance criteria.

Essential Learning Outcome Mapping:

Critical/Creative Thinking: Analyze, evaluate, and synthesize information in order to consider problems/ideas and transform them in innovative or imaginative ways.

Objective(s):

1. Discuss material, finish properties, and performance.
2. Design a space (commercial or residential) using materials and finishes.

Course Outcome(s):

Correlate maintenance and care requirements with various materials and finishes used in interior spaces.

Essential Learning Outcome Mapping:

Critical/Creative Thinking: Analyze, evaluate, and synthesize information in order to consider problems/ideas and transform them in innovative or imaginative ways.

Objective(s):

1. Discuss maintenance procedures for materials.
2. Discuss and identify life cycle cost for materials.

Course Outcome(s):

Create CSI MasterFormat Specifications for interior materials and finishes of an interior design project.

Essential Learning Outcome Mapping:

Critical/Creative Thinking: Analyze, evaluate, and synthesize information in order to consider problems/ideas and transform them in innovative or imaginative ways.

Written Communication: Demonstrate effective written communication for an intended audience that follows genre/disciplinary conventions that reflect clarity, organization, and editing skills.

Objective(s):

1. Use interior materials and finishes for various installations and applications in a creative manner.
2. Apply knowledge of the properties, advantages and disadvantages of various interior materials and finishes.
3. Discuss and explain the differences between MasterFormat CSI specifications, manufacturer specifications and furniture, finishes and equipment (FFE) specifications.
4. Identify and explain the Construction Specifications Institute (CSI) MasterFormat system and categories.
5. Discuss and identify the necessary information to complete a CSI MasterFormat specification.

Course Outcome(s):

Utilize material and finish sources to select appropriate products and collect product information.

Essential Learning Outcome Mapping:

Critical/Creative Thinking: Analyze, evaluate, and synthesize information in order to consider problems/ideas and transform them in innovative or imaginative ways.

Objective(s):

1. Discuss manufacturer and product options with clients.
2. Recognize companies that offer sustainable products and product information.
3. Explain methods of recycling interior materials and finishes.
4. Recognize and recall vendors, manufacturers, and distributors of products used in the design industry.

Course Outcome(s):

Research and become familiar with fabrication and installation methods of interior materials and finishes.

Essential Learning Outcome Mapping:

Critical/Creative Thinking: Analyze, evaluate, and synthesize information in order to consider problems/ideas and transform them in innovative or imaginative ways.

Objective(s):

1. Discuss availability and lead time of products.
2. Calculate and estimate the appropriate amount of materials needed for a given project.

Course Outcome(s):

Create Furniture, Fixture, and Equipment (FFE) Specifications for interior materials and finishes of an interior design project.

Essential Learning Outcome Mapping:

Critical/Creative Thinking: Analyze, evaluate, and synthesize information in order to consider problems/ideas and transform them in innovative or imaginative ways.

Written Communication: Demonstrate effective written communication for an intended audience that follows genre/disciplinary conventions that reflect clarity, organization, and editing skills.

Objective(s):

1. Use interior materials and finishes for various installations and applications in a creative manner.
 2. Apply knowledge of the properties, advantages and disadvantages of various interior materials and finishes.
 3. Discuss and explain the differences between MasterFormat CSI specifications, manufacturer specifications and furniture, finishes and equipment (FF&E) specifications.
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Methods of Evaluation:

1. Class Participation
2. Research Projects
3. Written Assignments
4. Quizzes
5. Final Examination

Course Content Outline:

1. Interior properties and performance
 - a. Metal
 - b. Plastic material
 - c. Tile
 - d. Stone
 - e. Glass
 - f. Wood
 - g. Wall coverings
 - h. Paint
 - i. Resilient flooring
 - j. Laminated materials
 - k. Terrazzo, composites, and concrete
 - l. Textiles, Window Treatments and Upholstery
- m. Furniture
 - n. Soft floor coverings (Carpet and area rugs)
2. Furniture, Fixture, and Equipment (FFE) Specifications
 - a. Architectural Specifications
3. CSI MasterFormat Specifications
 - a. Architectural Specifications
4. Issues that impact material and finish selection
 - a. Environmental impact and sustainable practices
 - i. Leadership in Energy and Environmental Design (LEED) Certification
 - ii. Sustainable materials
 - iii. Sources
 - b. Code requirements
 - c. Acoustics
5. Material and finish maintenance
 - a. Cleaning procedures
 - b. Cleaning products
6. Material and finish estimation
 - a. Quotes
 - b. Calculation of materials needed
7. Material and finish installation
 - a. Installation procedures
 - b. Installation techniques
8. Resources
 - a. Availability
 - b. Shipping timeline
 - c. Delivery

Resources

Binggeli, Corky. *Materials for Interior Environments*. Second Ed. Hoboken: Wiley Sons, 2013.

Ching, Francis D.K., and Steven R. Winkel. *Building Codes Illustrated: A Guide to Understanding the 2021 International Building Code*. 7th ed. Hoboken: Wiley & Sons, 2021.

Ching, Francis D.K. *Building Construction Illustrated*. 6th ed. Hoboken: Wiley & Sons, 2020.

Godsey, Lisa. *Interior Design Materials and Specifications*. 4th ed. New York: Fairchild Publications, 2021.

Kilmer, W. Otie., and Rosemary Kilmer. *Construction Drawings and Details for Interiors: Basic Skills*. 4th ed. New York: Wiley & Sons, 2021.

McGowan, Maryrose. *Specifying Interiors: A Guide to Construction and FF E for Residential and Commercial Interiors Projects*. Second Ed. Hoboken: Wiley Sons, 2005.

Riggs, J. Rosemary. *Materials and Components of Interior Architecture*. Seventh Ed. Upper Saddle River: Prentice Hall, 2013.

Gesimondo, Nancy, and James Christopher Postell. *Materiality and Interior Construction*. Hoboken: Wiley Sons, 2011.

Allison, Diana. *Estimating and Costing for Interior Designers: A step-by-step workbook*. 2nd ed. New York: Fairchild Publications, 2021.

Allison, Diana. *Demystifying Math for Interior Designers*. New York: Fairchild Publications, 2013.

Postell, James Christopher. *Furniture Design*. Second Ed. Hoboken: Wiley Sons, 2012.

Willbanks, Amy, Nancy Oxford, and Diana Miller. *Textiles for Residential and Commercial Interiors*. Fourth Ed. New York: Fairchild Publications, 2014.

Resources Other

1. Construction Specifications Institute - www.csinet.org (<http://www.csinet.org>)
2. Sweets Catalog - www.products.construction.com (<http://www.products.construction.com>)
3. ARCAT - www.arcata.com (<http://www.arcata.com>)
4. American Society for Testing and Materials (ASTM) - www.astm.org (<http://www.astm.org>)

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