

INTD 236

Materials and Resources for Interior Design

3 Credits

Community College of Baltimore County

Common Course Outline

Description

INTD 236 – Materials and Resources for Interior Design: explores interior construction methods and finish materials, their manufacturing processes, sustainable practices, and application methods as they relate to interior environments and building codes. Utilizing trade resources, complying with regulations and selecting and specifying materials for interior design projects are addressed through discussion and conceptual projects.

Pre-requisites: CADD 101, INTD 111

Overall Course Objectives

Upon completion of this course, students will be able to:

1. recognize categories/types of interior finish applications;
2. identify common materials used in building construction and interior finish applications;
3. describe material characteristics and performance properties for common interior design finish materials;
4. analyze finish material installation methods and requirements that affect interior applications;
5. employ basic organizational methods for maintaining an interior design materials resource library;
6. interpret manufacturer specification sheets and websites to evaluate suitability of specific products based on client requirements and building/safety codes;
7. select appropriate materials for use in interior design projects based on client requirements and building/safety codes;
8. justify material and finish selections based on client requirements, material characteristics and properties, lifetime costs, sustainability factors, building and installation methods, building codes and safety standards, as well as aesthetics;
9. interpret product specifications and installation methods to formulate and document an appropriate application to achieve the desired design;
10. prepare quantity estimates and specifications for selected materials; and
11. demonstrate critical thinking skills when generating a set of working drawings for interior construction to convey necessary information to the client, the specifier, and the building or installer.

Major Topics

- I. Materials identification
 - a. Properties
 - b. Performance characteristics
 - c. Applications

The Common Course Outline (CCO) determines the essential nature of each course.

For more information, see your professor's syllabus.

- d. Technologies
- II. Use and Applications
 - a. Building materials and methods (lumber, steel, concrete, brick, gypsum, etc.)
 - b. Flooring (hardwood, engineered wood, tile, resilient, composites, alternative, etc.)
 - c. Walls (wood, wallpapers, acoustical, glass, etc.)
 - d. Surfaces (natural stone, man-made stone, solid surface, glass, tile, concrete, resin, wood, etc.)
 - e. Ceilings (gypsum, wood, acoustical, plaster, etc.)
- III. Millwork
 - a. Drawings
 - b. Standards
 - c. Finishes
 - d. Hardware
- IV. Fabrication and application methods
- V. Construction documentation for finish materials
 - a. Finish plans and elevations
 - b. Finish schedules
 - c. Annotations and dimensions
- VI. Hazardous existing materials
 - a. Asbestos
 - b. Lead
 - c. Mold
 - d. Volatile Organic Compounds (VCOs)
- VII. Environmental sustainability
 - a. Definition
 - b. Green washing
 - c. Major third-party certifications
 - d. Life-cycle (cradle-to-cradle sustainability, costs)
 - e. Maintenance

Course Requirements

Grading will be determined by the individual faculty member, but shall include the following, at minimum:

- two exams or quizzes
- two small-scale design projects for employing materials to address specific client requirements and include appropriate construction documentation including finish plans, elevations, and finish schedules, with appropriate annotations and dimensions.
- a project material and resource database project students can use as a reference for school and professional projects
- one kitchen or bath tile plan

Written assignments and research projects: Students are required to use appropriate academic resources in their research and cite sources according to the style selected by their professor.

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Other Course Information

This course is required for the AAS and certificate in Interior Design.

Individual faculty members may include additional course objectives, major topics, and other course requirements to the minimum expectations stated in the Common Course Outline.

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