

Materials and Sources
IND 2420
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3 Credit Hours

Introduction:

Introduction to materials and sources used in the field of interior design including residential and commercial use. I

Course Description

This course is a study of the materials of interior design and sources of each. Topics include textiles, floor and wall coverings, furniture, window treatments and accessories. This course includes estimation, installation, and specification guidelines of materials. Both residential and contract furnishings and finishes are addressed. Studio time is an important part of this course.

Pre-Requisites:

None

Assessed Degree Program Learning Outcome: To apply critical thinking through problem solving. Assessment will be evaluated based on the students resource file design assigned in Week 1 of the course.

Learning Outcomes and Objectives

- 1. Evaluate textiles for interior spaces**
 - a. Identify textiles for interior spaces
 - b. Recommend textiles for interior spaces
 - c. Identify manufacturers of residential and commercial textiles
- 2. Compile various sources for specific Interior Design-related materials**
 - a. Identify architectural woodwork, artwork,, carpet, casework, commercial equipment, display specialties, fabrics, ceilings, walls, entertainment equipment, systems furniture, window treatments, hardware, hospitality furniture, institutional furniture, kitchen & bath, lighting, multiple seating, office furniture, openings, partitions, seating, and services
 - b. Identify specialties
 - c. Identify storage specialties
 - d. Describe appropriate uses for each specified category
 - e. Describe quality materials and good craftsmanship
 - f. Provide documentation on manufacturers and source information for each category
- 3. Differentiate types of flooring materials**
 - a. Describe characteristics and appropriate uses for each type of material

- b. Describe factors to be considered in flooring selections
- c. List manufacturers of flooring materials
- 4. Summarize appropriate environmental considerations to protect the public's health, safety and welfare**
 - a. Apply environmental considerations in the specification of materials and finishes
 - b. Cite research and testing results related to environmental considerations
 - c. Identify organizations that establish guidelines on environmental considerations
- 5. Apply correct industry nomenclature to various materials categories**
 - a. Describe cabinetry styles, types, construction methods and materials
 - b. Describe wood, vinyl, laminate and linoleum flooring
 - c. Describe carpeting weaves and textures
 - d. Describe drapery components, pleating, styles, and construction
 - e. Describe wallpaper sizes, printing methods and textures
- 6. Differentiate estimating procedures for various materials categories**
 - a. Estimate quantity of carpeting, vinyl flooring, and wood flooring
 - b. Estimate quantity of wallpaper
 - c. Estimate quantity of draperies and blinds
- 7. Distinguish installation methods for various materials categories**
 - a. Describe installation methods for carpeting, vinyl flooring, and wood flooring
 - b. Describe installation methods for wallpaper
 - c. Describe installation methods for draperies and blinds
- 8. Examine the interrelationship between humans and their interior environments**
 - a. Identify environmental characteristics of housing that affect the well-being of the family
 - b. Identify ways that environmental characteristics may be controlled to provide a healthful physical environment and conserve energy
 - c. Identify ways that spaces influence social behavior and emotional well-being
 - d. Differentiate needs and functional concerns between residential and public space users
- 9. Specify the appropriate use and function of furnishings materials**
 - a. Determine the advantages and disadvantages of various flooring materials
 - b. Analyze the characteristics of fibers and the construction of various types of floor coverings and interior fabrics
 - c. Identify various ceiling treatments
 - d. Categorize types of wall coverings
 - e. Identify different types of window coverings
 - f. Estimate quantity needed for floor, window treatments, and wall coverings
 - g. Analyze maintenance requirements in specifying materials
- 10. Specify design materials and resources**
 - a. Identify lighting manufacturers
 - b. Identify manufacturers of architectural treatments
 - c. Identify manufacturers of accessories
 - d. Identify recyclable resources for design materials

- e. Describe those aspects of interior materials and installation methods that have potential to impact the health, safety, and welfare of residential and commercial clientele
 - f. Describe the role of manufacturers' representatives, contractors, and other resource specialists in assisting the designer and client/s in the appropriate selection, design, specification, and installation of materials and finishes for design projects
 - g. Describe the role testing standards, agencies, and ratings have on the designer's selection and specifications of materials and products to protect the health, safety, and welfare of the client and the public
- 11. Analyze interior methods and systems in building construction**
- a. Illustrate the advantages of applying green design considerations to construction decisions
 - b. Identify the available types of millwork woods and veneers
 - c. Describe the uses and characteristics of available glazing and film for doors and windows for energy and security considerations in both residential and commercial applications
 - d. Describe the function and appropriate specification of millwork finishes
- 12. Examine building codes, regulations, and legislation relating to residential and non-residential spaces**
- a. Describe labeling techniques that identify products that meet the flammability standards required by fire code
 - b. Differentiate requirements based on type of occupancy and type of construction
 - c. Describe the material ratings and resistance of materials to fire
- 13. Explore business organizations and development procedures and/or systems for a professional practice**
- a. List interior design professional organizations
 - b. Describe licensing requirements
- 14. Design sustainable interiors**
- a. Analyze the concept and terminology of green design/sustainable design
 - b. Demonstrate proficiency in material usage
 - c. Identify governing organizations associated with sustainable design

Assessment of Learning Outcomes:

Assessments are determined by measuring the ability of each student to retain the learning objectives of the course. Performance –based methods, such as completion of learning objectives of the course, performance-based methods, such as completion of assigned projects, general knowledge test, oral and written presentations of assignment, group discussion, observation of mastery of critical skills, materials notebook, analysis of the final product and class participation and attendance including involvement with the Angel On-Line learning system will determine the final grade of this course.

Outline of Course Work:

Do the necessary textbook reading and corresponding homework before coming to class. Use the instructor's comments and suggestions to improve your work.

Texts:

Riggs, R. (2013). *Materials and Components of Interior Architecture* (8th ed.). Prentice Hall

Allison, D. (2014). *Estimating and Costing for Interior Designers; a Step by Step Handbook*. Fairchild Books.

Grading Division

- 25% of grade – Materials Notebook
- 25% of grade – Midterm and Final Exam
- 16% of grade – Project/Presentation
- 8% of grade -- Quizzes
- 10% of grade – Discussion Board
- 16% of grade – Attendance and Punctuality

Grading Scale

90 – 100	=	A
80 – 89	=	B
70 – 79	=	C
60 – 69	=	D
Below 60	=	F

Course Requirements:

- Reading entire book and coursework

Policy on Late Work or Make-Up Exams

Work handed in over one week late will have 10 points automatically removed from their grade. Visual Presentation will be handed in on the dates indicated and Oral Presentation will be given on the dates assigned. Only in extreme circumstances will late presentation be considered for grading and are subject to approval by the instructor.

Special Needs

If you have any special needs or requirements pertaining to this course, please discuss them with the instructor early in the term.

Syllabus Disclaimer

Syllabus

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This syllabus is subject to change at the discretion of the instructor. Changes will be distributed when appropriate as an addendum to the syllabus. The course goals, objectives, and student competencies do not change.

Withdrawal and Attendance Policy

It is the student's responsibility to withdraw from the class by **November 1, 2015**,