

**SOUTHEAST MISSOURI STATE UNIVERSITY
COURSE SYLLABUS**

Department of **Human Environmental Studies**
Course Title: **Materials & Cost Estimating**

Course Number: **DS332**
Revision of HI370: **Fall 2008**

I. Catalogue Description and Credit Hours

A survey of interior materials and finishes utilized in commercial and residential interior design. Includes cost estimation techniques, regulations, codes, standards, and sustainable design. **(3)**

II. Prerequisite(s)

CM100

III. Purposes or Objectives of Course

- A. Demonstrate knowledge of materials and finishes and their application to design installations.
- B. Demonstrate knowledge of regulations, codes and standards applicable to interior finishes.
- C. Explain sustainable materials and their application to the LEED rating system.
- D. Identify the variety of materials and finishes available for use on design projects.
- E. Demonstrate skill in quantity and cost estimation involved in design specification and installation.

IV. Expectations of Students

- A. Participate in class discussion and field trips.
- B. Satisfactorily complete all assignments.
- C. Attain a satisfactory level of achievement on written examinations and quizzes.
- D. Develop skills in cost estimation of design materials and finishes.
- E. Research a selected product and present the information to the class.

V. Course Outline or Content

Hours

- | | |
|---|-----------|
| A. Regulations, Codes, and Standards for Interior Finishes | 3 |
| 1. Federal Regulations | |
| 2. Standards | |
| 3. Flammability Standards for floor coverings, wall finishes, ceiling finishes, door assemblies, furniture, furnishings, and fabric | |
| B. Sustainable Design | 3 |
| 1. Green Design | |
| 2. Sustainable product and material selection | |
| 3. Green Buildings and LEED certification | |
| C. Interior Materials | 39 |
| 1. Metals | 3 |
| 2. Wood | 3 |
| 3. Plastics | 3 |

4. Glass	3
5. Ceiling finishes	6
6. Paints and coatings	3
7. Wall coverings	3
8. Window treatments	3
9. Floor finishes	6
10. Upholstery	3
11. Casework and countertops	3

* Total class hours = **45**

VI. Textbook(s) and/or Other Required Materials or Equipment

McGowan. (2006). Specifying Interiors: A Guide to Construction and FF&E for Residential and Commercial Interiors Projects 2nd Ed. New York: John Wiley & Sons, Inc.

VII. Basis for Student Evaluation

A. Class participation and field trips	15%
B. Examinations	50%
C. Class assignments and cost estimation	20%
D. Product research paper and presentation	15%

Note: The weight of the evaluation criteria may vary according to each instructor and will be communicated at the beginning of the course.

VIII. Academic Policy Statement

Students will be expected to abide by the **University Policy for Academic Honesty** regarding plagiarism and academic honesty. Refer to:

<http://www6.semo.edu/judaffairs/code.html>

IX. Student with Disabilities Statement

If a student has a special need addressed by the **Americans with Disabilities Act (ADA)** and requires materials in an alternative format, please notify the instructor at the beginning of the course. Reasonable efforts will be made to accommodate special needs.