MATERIALS AND FINISHES II
Course Syllabus

Course Number: IDT-0425B
OCAS Code: None
Course Length: 25 Hours
Career Cluster: Arts, A/V Technology & Communications
Career Pathway: Visual Arts
Career Major(s): Interior Design Technician

Pre-requisite(s): IDT-0240 Interior Design Introduction; IDT-0042 Color & Design; IDT 0425A Materials & Finishes I

Course Description:
Students will investigate building materials, design materials, and finishes in this course. Building, fire, and safety codes as they apply to housing will be researched. This course will cover basic knowledge of wood, styles of roofs, walls, and door and window construction and placement. Natural and artificial light will be evaluated. Floor and wall coverings, as well as textiles will be explored.

Textbooks:
Instructor-created materials

Residential Housing and Interiors by Clois E. Kicklighter and Joan C. Kicklighter (2005)

Course Objectives:

A. Overview of Materials and Building.¹
   1. Acquire knowledge of materials and method used in construction.
   2. Research building codes and requirements.
   3. Understand fire codes and safety.

B. Wood and Millwork.¹
   1. Identify wood classifications and finishes.
   2. Identify custom millwork pieces.

C. Roofs.¹
   1. Identify styles of roofs and materials.

D. Walls.¹
   1. Identify wall construction, type, and placement.
   2. Recognize treatments for walls.

E. Doors and Windows.¹
   1. Identify door types, construction, treatments, and placement.
   2. Identify window types, construction, treatments, and placement.

F. Lighting.¹
   1. Distinguish between natural and artificial.
   2. Examine lighting fixtures, controls, and placement.
   3. Evaluate the lighting in a floor plan.
G. **Floor Coverings.**
   1. Understand floor systems and construction, including wood and concrete.
   2. Identify floor materials, including carpet, ceramic tile, wood, terrazzo, linoleum, and vinyl.
   3. Learn appropriate uses and specifications for floor coverings.
   4. Learn the function and appearance of floor treatments.
   5. Recognize the basic construction of types of floor coverings.

H. **Plastic Laminate and Solid Surfaces.**
   1. Learn the construction process.
   2. Learn appropriate use and specifications for plastic laminate and solid surfaces.

I. **Wall Coverings.**
   1. Learn the construction process.
   2. Learn appropriate use and specifications for wall coverings.

J. **Textiles.**
   1. Identify natural fibers.
   2. Identify manufactured fibers.
   4. Create a textile notebook.
   5. Identify finishes and dying processes.

1ODCTE objectives
All unmarked objectives are TTC instructor developed.

**Teaching Methods:**
The class will primarily be taught by the lecture and demonstration method and supported by various media materials to address various learning styles. There will be question and answer sessions over material covered in lecture and media presentations. Supervised lab time is provided for students to complete required projects.

**Grading Procedures:**
1. Students are graded on theory and shop practice and performance.
2. Each course must be passed with seventy (70%) percent or better.
3. Grading scale: A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=50-59%.

**Description of Classroom, Laboratories, and Equipment:**
Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.

**Available Certifications/College Credit**
The student may be eligible to take state, national or industry exam after completion of the program. College credit may be issued from Oklahoma State University-Okmulgee or Tulsa Community College. See program counselor for additional information.

**College Credit Eligibility:**
The student must maintain a grade point average of 2.0 or better.