

**PALOMAR COLLEGE**  
**COURSE OUTLINE OF RECORD FOR**  
**DEGREE CREDIT COURSE**

  X   Transfer Course   X   A.A. Degree applicable course  
(check all that apply)

**COURSE NUMBER AND TITLE:** ID 135 Fabrics for Designers

**UNIT VALUE:** 3

**MINIMUM NUMBER OF SEMESTER HOURS:** 48

**BASIC SKILLS REQUIREMENTS:**

Appropriate language skills.

**ENTRANCE REQUIREMENTS**

**PREREQUISITE:** None.

**COREQUISITE:** None.

**RECOMMENDED PREPARATION:** None.

**SCOPE OF COURSE:**

Selection, use and care of fabrics used in residential and commercial interiors. Emphasis on designer selection and specification of fabrics for upholstering furniture, window treatments, floor coverings, and accessories. Includes survey and selection of historic fabrics in interiors.

**SPECIFIC COURSE OBJECTIVES:**

Successful students will:

1. identify federal and local fire codes and public safety laws that effect the selections of end-use fabrics in given installations;
2. select and evaluate the most effective carpet fabric for given installation; including residential use, medical facilities, public-use facilities and office environments;
3. select and evaluate the most effective fabric for use on walls for given installation criteria; including residential use, public-use facilities and office environments;

4. select and evaluate the most effective fabric for use on upholstered furniture for residential and commercial installations;
5. select and evaluate sources for materials and installations or products specified;
6. measure and calculate the correct amount of materials needed for carpet, drapery and upholstery used in given assignments for residential and commercial use;
7. write specifications for materials that meet required fire codes and public safety laws;
8. write correct documentation for assigned performance requirements;
9. evaluate products and their application for end-use by determining the potential hazard of each material as outlined by five types of flammability tests;
10. select correct end-use fabrics for historic interiors and furnishings; and
11. plan and evaluate budget considerations for selection and use of materials, labor and installation.

## **CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:**

### **I. HISTORIC VIEW OF FABRICS**

- A. Textiles in History
  1. Agricultural patterns
  2. Economic value
  3. Textiles and politics
  4. Textile workers
- B. The Textile Industry
  1. Early industrialization
  2. The textile industry today
  3. Textile production in the United States
  4. Competition from the Pacific Rim
  5. Marketing textiles to the design trade

### **II. FABRIC PRODUCTION**

- A. Fiber Basics
  1. Fiber composition
  2. Fiber classification
  3. Fiber properties
- B. Natural Fibers
  1. Cellulosic fibers
  2. Protein fibers
  3. Mineral and elastomeric fibers
- C. Man-Made Fibers
  1. Cellulosic fibers
  2. Modified cellulosic fibers
  3. Synthesized fibers
  4. Mineral and elastomeric fibers
- D. Fiber Modification
  1. Modifications
  2. Third generation fibers
  3. Fiber blending

- E. Yarn Production
  - 1. Spinning
  - 2. Classification of yarns
  - 3. Spun filament yarns
  - 4. Textured yarns
  - 5. Specialty yarns
  - 6. Yarn specifications
- F. Fabric Construction
  - 1. Weaving techniques
  - 2. Classification of weaves
  - 3. Woven fabrics
  - 4. Needle construction
  - 5. No-element fabrics
  - 6. Compound fabrics
- G. Finishing
  - 1. Basic finishes
  - 2. Surface treatments
  - 3. Functional enhancement
  - 4. Coloring
  - 5. Printing

### III. FABRICS IN INTERIOR DESIGN

- A. Choosing Fabrics
  - 1. Factors in selection
  - 2. Aesthetics
  - 3. Functional needs
  - 4. Economic considerations
- B. Fabrics in Today's Interiors
  - 1. Performance criteria
  - 2. Summary of Components
  - 3. Textile geometry
  - 4. Textile selection charts and their use
- C. Professional Practice
  - 1. Quality safeguards
  - 2. Fire regulations
  - 3. Responsibilities and liability for the designer
  - 4. Documentation requirements

### IV. TEXTILES IN THE BUILT ENVIRONMENT

- A. Cloth
  - 1. Casements and draperies
  - 2. Upholstery
  - 3. Walls and ceilings
  - 4. Art
  - 5. Maintenance and cleaning
- B. Rugs and Carpeting
  - 1. Oriental rugs
  - 2. Carpet types
  - 3. User requirements
  - 4. Fiber selection
  - 5. Types of padding
  - 6. Installation

7. Maintenance and cleaning
- C. Historic Fabrics
  1. Identification of fabrics for historic interiors
  2. Sources for historic fabrics and wallcoverings

### **REQUIRED READING:**

Jackman, Dianne R., Mary K. Dixon, and Jill Condra. The Guide to Textiles for Interiors. Third Edition. Winnipeg: Manitoba Canada: Peguis Publishers, Ltd., 2003.

### **SUGGESTED READING:**

Elasasser, Virginia Hencken. Know Your Home Furnishings. New York: Fairchild Publications, 2004.

Resnikoff, S.C. Specifications for Interior Design. New York: Whitney Library of Design, 1989.

Resnikoff, S.C. Interior Graphic and Design Standards. New York: Whitney Library of Design, 1986.

### **REQUIRED WRITING:**

1. Students are required to correctly write specifications that meet the criteria for fire codes and public safety laws on selected commercial projects.
2. Students are required to correctly write a purchase order for fabrics, carpet and fabric wallcovering for selected assignments.
3. Students are required to select, evaluate and write a critique of a fabric's end-use as it pertains to five tests of flammability.
4. Students are required to write a contract for interior design services, specifications and supervision for a commercial design project.

### **OUTSIDE ASSIGNMENTS:**

**Students are expected to spend a minimum of three hours per unit per week in class and on outside assignments, prorated for short-term classes.**

1. Students are required to research sources used in the wholesale trade, such as fabric and carpet showrooms, fabrication suppliers, and installers.

A wholesale source file is to be submitted at the end of the semester. (Estimated time of the above outside assignment: 20 hours).

2. Students are required to submit a notebook that exhibits all the fabrics that were discussed in class, and that would be used in a design application. The name of the fabric, the advantages and disadvantages of the fabric, and a suggested end-use for the fabric would be required.

### **INSTRUCTIONAL METHODOLOGY:**

**Check all that apply:**

  X   lecture

- laboratory
- lecture-laboratory combination
- directed study

**DISTANCE LEARNING:**

**This course may be offered as a distance learning course and meets Title 5 regulations 55370, 55372, 55374, 55376, 55378, and 55380.**

Yes  No

**If yes, check all that apply:**

- Television Course (Video one-way, e.g. ITV, video cassette, etc.)
- Online Course (Text one-way, e.g. newspaper, correspondence, electronic file, etc.)
- Two-Way Video Conferencing (Two-way interactive video and audio)
- One-Way Video Conferencing (One-way interactive video and two-way interactive audio)
- Computer Assisted Instruction (A specialized form of mediated instruction relying primarily on student access to information and prepared lessons or teaching materials through a computer terminal, but not under immediate supervision of a qualified instructor.)

**GRADING POLICY AND STANDARDS** (include methods of determining whether the stated objectives have been met by students):

Class Assignments	35%
Exams	25%
Outside Assignment	
Source file	20%
Fabric example notebook	20%

90	-	100	=	A
80	-	89	=	B
70	-	79	=	C
60	-	69	=	D
59		and below	=	F

**IS COURSE REPEATABLE FOR REASON(S) OTHER THAN DEFICIENT GRADE?**

Yes  No  Number of times course may be taken for credit: \_\_\_\_\_

If yes, identify specific provision of Title 5 Division 2 section(s), 55761-55763 and 58161 which qualifies course as repeatable:

**CONTACT PERSON :** Lori Graham, ext: 2210

**SIGNATURES ON FILE:**