



El Camino College
COURSE OUTLINE OF RECORD – Official

Course Acronym:	FASH
Course Number:	20
Descriptive Title:	Textiles
Division:	Industry and Technology
Department:	Fashion
Course Disciplines:	Fashion
Catalog Description:	This introductory course covers characteristics of textiles for fashion design and fashion merchandising majors. Students are introduced to various fibers, yarn types, fabrication, coloring, printing and finishing methods. Selection, use and care of textiles are highlighted.
Prerequisite:	
Co-requisite:	
Recommended Preparation:	
Enrollment Limitation:	
Hours Lecture (per week):	3
Hours Laboratory (per week):	0
Outside Study Hours:	6
Total Course Hours:	54
Course Units:	3
Grading Method:	Letter Grade only
Credit Status:	Credit, degree applicable
Transfer CSU:	Yes
Effective Date:	Prior to July 1992
Transfer UC:	Yes
Effective Date:	
General Education: ECC	
Term:	
Other:	
CSU GE:	
Term:	
Other:	

IGETC:	
Term:	
Other:	
Student Learning Outcomes:	<p>SLO #1 Fiber Content</p> <p>As a result of taking the course, each student will be able to identify fiber content category by burning fabric and noting residue and flame characteristics.</p> <p>SLO #2 Converting Fibers Into Yarn</p> <p>Upon completion of this course, the student will be able to describe the process of converting fibers into yarn formation.</p> <p>SLO #3 Printing, Dyeing & Fiber Finishing</p> <p>Upon completion of this course, the student will be able to compare and contrast the various printing, dyeing and fiber finishing processes.</p>
Course Objectives:	<ol style="list-style-type: none"> 1. Distinguish between natural and synthetic fibers. 2. Distinguish between fabric construction methods. 3. Compare dye and printing processes. 4. Communicate effectively in textile industry-specific terminology. 5. Evaluate proper care of textiles.
Major Topics:	<p>I. THE TEXTILE INDUSTRY (5 hours, lecture)</p> <ol style="list-style-type: none"> A. Industrial B. Apparel C. Domestic <p>II. FIBER CHARACTERISTICS (6 hours, lecture)</p> <ol style="list-style-type: none"> A. Physical properties B. Aesthetic properties C. Performance properties <p>III. NATURAL AND MANUFACTURED FIBERS (6 hours, lecture)</p> <ol style="list-style-type: none"> A. Characteristics of fibers B. Fiber processing C. Fabric names <p>IV. YARNS AND SEWING THREADS (6 hours, lecture)</p> <ol style="list-style-type: none"> A. Yarn types and construction B. Blending fibers C. Yarn classifications

	<p>V. WOVEN FABRICS (5 hours, lecture)</p> <ul style="list-style-type: none"> A. Weaving looms B. Physical properties C. Types of woven fabrics <p>VI. KNITTED FABRICS (5 hours, lecture)</p> <ul style="list-style-type: none"> A. How fabrics are knit B. Physical properties C. Types of knits <p>VII. DYEING (6 hours, lecture)</p> <ul style="list-style-type: none"> A. Process of fabric dyeing B. Types of dyes C. Dyeing stages and methods <p>VIII. PRINTING (5 hours, lecture)</p> <ul style="list-style-type: none"> A. Definition of color B. Types of printing <p>IX. FINISHING (5 hours, lecture)</p> <ul style="list-style-type: none"> A. Types of finishes B. Finishing process <p>X. FABRIC CARE (5 hours, lecture)</p> <ul style="list-style-type: none"> A. Fiber properties as it relates to care B. Home care C. Laundering D. Detergents and detergency E. Spots and stains
Total Lecture Hours:	54
Total Laboratory Hours:	0
Total Hours:	54
Primary Method of Evaluation:	3) Skills demonstration
Typical Assignment Using Primary Method of Evaluation:	Given the sketch of a garment, go to fabric stores and find six fabric swatches appropriate for this garment. Submit sketch and fabric swatches to the instructor for evaluation.
Critical Thinking Assignment 1:	Working with a magnifier and a group of swatches, identify the following fabric characteristics: construction, content, color, dye and finish. List characteristics for each swatch on a one-page report and submit to the instructor for evaluation.

Critical Thinking Assignment 2:	Burn six fabric swatches - two cellulose, two protein and two synthetic. Write a description and mount fabric for each sample on a work sheet having observed the color of flame, odor, whether it burnt or melted and type of residue. Submit work sheet to the instructor for evaluation.
Other Evaluation Methods:	Written homework Laboratory reports Field work Term or other papers Multiple Choice Completion Matching Items True/False
Instructional Methods:	Demonstration Lecture
If other:	TEAM WORK
Work Outside of Class:	Study Answer questions Required reading Problem solving activities Observation of or participation in an activity related to course content
If Other:	
Up-To-Date Representative Textbooks:	Ingrid Johnson, Allen C. Cohen, Ajoy K. Sarkar. <u>J. J. Pizzuto's Fabric Science</u> . 11th edition, Mac Higher, 2016 DISCIPLINE STANDARD ATEXINC, Textile Kit+Eco Edition – Student Version, 20 th edition, ATEXINC, 2020
Alternative Textbooks:	
Required Supplementary Readings:	
Other Required Materials:	Linen tester Notebook Fabric swatches
Requisite:	
Category:	
Requisite course(s): List both prerequisites and corequisites in this box.	
Requisite and Matching skill(s):Bold	

the requisite skill. List the corresponding course objective under each skill(s).	
Requisite Skill:	
Requisite Skill and Matching Skill(s): Bold the requisite skill(s). If applicable	
Requisite course:	
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Enrollment Limitations and Category:	
Enrollment Limitations Impact:	
Course Created by:	Hattie Roberts
Date:	12/01/1973
Original Board Approval Date:	
Last Reviewed and/or Revised by:	VERA ASHLEY
Date:	12/07/2021
Last Board Approval Date:	04/18/2022