FASH 8 Course Outline as of Fall 2024

CATALOG INFORMATION

Dept and Nbr: FASH 8 Title: INTRO TEXTILES
Full Title: Introductory Textiles
Last Reviewed: 3/13/2023

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	2.00	17.5	Lecture Scheduled	35.00
Minimum	3.00	Lab Scheduled	3.00	6	Lab Scheduled	52.50
		Contact DHR	0		Contact DHR	0
		Contact Total	5.00		Contact Total	87.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 70.00 Total Student Learning Hours: 157.50

Title 5 Category:	AA Degree Applicable
Grading:	Grade or P/NP
Repeatability:	00 - Two Repeats if Grade was D, F, NC, or NP
Also Listed As:	
Formerly:	CLTX 8

Catalog Description:
Students will learn about natural, human-made, synthetic, and sustainable fiber characteristics, apparel applications, manufacturing processes, and government regulations.

Prerequisites/Corequisites:

Recommended Preparation:
Eligibility for ENGL 100 or ESL 100

Limits on Enrollment:

Schedule of Classes Information:
Description: Students will learn about natural, human-made, synthetic, and sustainable fiber characteristics, apparel applications, manufacturing processes, and government regulations. (Grade or P/NP)
Prerequisites/Corequisites:
Recommended: Eligibility for ENGL 100 or ESL 100
Limits on Enrollment:
Transfer Credit: CSU;UC.

Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	**Area**			Effective:	Inactive:
CSU GE:	**Transfer Area**			Effective:	Inactive:
IGETC:	**Transfer Area**			Effective:	Inactive:
CSU Transfer:	Transferable	Effective:	Fall 1981	Inactive:	
UC Transfer:	Transferable	Effective:	Fall 1981	Inactive:	

CID:

Certificate/Major Applicable:
Both Certificate and Major Applicable

COURSE CONTENT

Student Learning Outcomes:
At the conclusion of this course, the student should be able to:
1. Identify and select appropriate fabrics for clothing, home furnishings, and accessories.
2. Understand and compare sustainable fiber manufacturing processes with conventional systems.
3. Recognize the government regulations pertaining to the textile industry.

Objectives:
At the conclusion of this course, the student should be able to:
1. Define basic terminology used in the textile industry.
2. Recognize practices that consumers utilize in selecting, using, and caring for textile products.
3. Describe the characteristics and manufacturing processes for natural, human-made, synthetic, and sustainable fibers.
4. Compare the properties of various types of yarns used to produce fabrics.
5. Compare the basic characteristics of fabrics made by knitting, weaving, and felting and recognize finishes applied to increase usefulness and to alter appearance.
6. Understand the Federal Trade Commission (FTC) role pertaining to the sale and use of textile products.
7. Explain the purpose of products used in laundering operations and their effect on the environment.

Topics and Scope:

I. History of the Textile Industry
   A. Overview of the industry
   B. Historical uses of fibers and fabrics
   C. Modern uses in medical, industrial, and agricultural industries
II. Cultural Background
   A. Current trends in textile consumption
   B. Challenges pertaining to fiber consumption
   C. Factors influencing consumer choices

III. Legal, Sustainability, and Environmental Issues
- A. Labeling laws and care regulations
- B. Laws and regulations related to safety
- C. Environmental health and safety
- D. Disposal
- E. Recycling

IV. Textile Terminology and Physical Properties
- A. Basic vocabulary
- B. Advantages and disadvantages of specific fibers
- C. Care of fibers

V. Manufacturing and Processing of Fibers
- A. Natural
- B. Human-made
- C. Synthetic
- D. Sustainable

VI. Yarn Structure
- A. Filament
- B. Staple
- C. Fiber length and twist
- D. Fiber blends
- E. High bulk yarns
- F. Simple yarn
- G. Novelty yarn
- H. Composite yarn

VII. Fabric Construction
- A. Loom and its parts
- B. Basic weaves
- C. Fancy weaves

VIII. Knits
- A. Weft knits
- B. Warp knits

IX. Other Fabrication Methods
- A. Solutions
- B. Non-woven or fiber structure
- C. Felt
- D. Net-like structures
- E. Braids
- F. Lace
- G. Composite fabric
- H. Animal products

X. Fabric Finishes
- A. Aesthetic finishes
- B. Special purpose finishes
- C. Dyeing and printing
- D. Natural dying and printing

XI. Care of Textile Products
- A. Factors relating to cleaning
- B. Laundering
- C. Dry cleaning
- D. Professional wet cleaning
- E. Sustainable laundering methods

XII. Textile Experiments

A. Burn test
B. Chemical test

All topics are covered in the lecture and lab portions of the course.

Assignment:

Lecture-Related Assignments:
1. Research project or research paper (1500-2000 words)
2. Quizzes or exams (5-6)
3. Weekly reading from textbook (15-20 pages)
4. Written homework

Lab-Related Assignments:
1. Textile swatch kit
2. Lab experiments, such as burning and chemical tests
3. Natural dye and printing samples
4. Handweaving project

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Written homework; research project or research paper	Writing 25 - 40%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

None	Problem solving 0 - 0%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Textile swatch kit; lab experiments; natural dye and print samples; handweaving project	Skill Demonstrations 25 - 40%

Exams: All forms of formal testing, other than skill performance exams.

Quizzes or exams	Exams 20 - 35%

Other: Includes any assessment tools that do not logically fit into the above categories.

Participation and attendance	Other Category 5 - 10%

Representative Textbooks and Materials:

Basic Textiles Swatch Kit. 12th ed. Kadolph, Sara and Marcketti, Sara. Textile Fabric Consultant. 2018.
Textiles. 12th ed. Kadolph, Sara and Marcketti, Sara. Pearson. 2017 (classic).