FASH 8 Course Outline as of Fall 2017

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:
The study of natural, man-made, and synthetic fibers including their characteristics, use, and care for clothing and home furnishings. Topics include yarn and fabric identification, construction, dyeing and printing processes, finishes, fabric testing, performance and serviceability, and government regulations.

Prerequisites/Corequisites:

Recommended Preparation:
Eligibility for ENGL 100 or ESL 100

Limits on Enrollment:

Schedule of Classes Information:
Description: The study of natural, man-made, and synthetic fibers including their characteristics, use, and care for clothing and home furnishings. Topics include yarn and fabric identification, construction, dyeing and printing processes, finishes, fabric testing, performance and serviceability, 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 use in home furnishings and fashion, utilizing the following criteria: fabric weaves, printing, and dyeing techniques, fiber content, advantages and disadvantages and care characteristics.
2. Analyze yarn and fabric construction variations available to consumers.
3. Evaluate and select appropriate methods to clean fabrics for home furnishings and fashion end products.

Objectives:
In order to achieve these learning outcomes, during the course, the student will:
1. Identify and discuss the major factors that influence textile consumption.
2. Articulate practices that consumers may follow in selecting, using, and caring for textile products to increase satisfaction.
3. Describe the general properties and manufacturing processes for each of the natural, manmade, and synthetic fibers.
4. Define basic terminology used in the textile industry.
5. Test and describe the general reaction of protein, cellulosic, and manufactured fibers when subjected to the burning and solubility experiments.
6. Compare the properties of the following: spun yarns, filament yarns, carded and combed yarns, woolen and worsted yarns, and simple, complex, or novelty yarns.
7. Identify fabric name and select the fabrication method illustrated by fabric swatches.
8. Compare the basic characteristics of fabrics made by knitting, weaving, or felting.
9. Recognize and select basic types of knit fabrics.
10. Recognize types of finishes applied to fabrics for usefulness and appearance.
11. Recognize Federal Trade Commission (FTC) rulings that relate to the sale and use of textile products.
12. Explain the process and purpose of products used in laundering operations.

13. Discuss the effects of modern laundering practices on the environment.

Topics and Scope:

I. History of the Textile Industry
   A. Brief overview of the industry
   B. New uses in medical, industrial, and agricultural industries
II. Cultural Background
   A. Current trends in textile consumption
   B. Future problems in fiber consumption
   C. Factors that influence 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 Terms and Properties
   A. Basic language
   B. Advantages of fibers
   C. Disadvantages of fibers
   D. Care of fibers
V. Manufacturing and Processing of Fibers
   A. Natural
   B. Man-made
   C. Synthetic
   D. Other fibers
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
XI. Care of Textile Products
   A. Factors relating to cleaning
   B. Laundering
   C. Dry cleaning
   D. Professional wet cleaning
   E. Other cleaning methods
XII. Textile Experiments
   A. Burn test
   B. Chemical test
XIII. Samples (lab): Weaving - tapestry sample

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

Assignment:

Lecture Assignments:
1. Research project: such as term digital oral presentation or research paper (1500-2000 words)
2. Objective tests (5-6)
3. Weekly reading from textbook (10-15 pages)

Lab Assignments:
1. Journal/Notebook containing assignments given during the semester including:
  a. textile articles and notes
  b. lab reports
  c. swatch collection and analysis
  d. textile advertisements
2. Lab experiments, such as burn test and chemical test
3. Hands on textile-based projects

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 paper; notebook	Writing 30 - 60%

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 based projects	Skill Demonstrations 15 - 25%

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

Exams: multiple choice, true/false, matching items, completion, short answer	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:
Textiles. 12th Ed. Kadolph, Sara and Marcketti, Sara. Pearson. 2017
Instructor Generated Manual