CLTX 8 Course Outline as of Fall 1981

CATALOG INFORMATION

Dept and Nbr: CLTX 8 Title: INTRO TEX/MOD USAGE
Full Title: Introductory Textiles for Modern Usage
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	17.5	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 Only
Repeatability:	00 - Two Repeats if Grade was D, F, NC, or NP
Also Listed As:	
Formerly:	

Catalog Description:
Recomm.: Eligibility for Engl 100A or equiv. The study of natural and man-made fibers including their characteristics, use and care for clothing and home furnishings. Topics include yarn and fabric construction and identification, dyeing and printing processes, finishes, fabric testing, performance and serviceability and legislation.

Prerequisites/Corequisites:

Recommended Preparation:

Limits on Enrollment:

Schedule of Classes Information:
Description: Recomm: Eligibility for ENGL 100A or equiv. The study of natural and man-made fibers including their characteristics, use and care for clothing and home furnishings. Topics include yarn and fabric construction and identification, dyeing and printing processes, finishes, fabric testing, performance and serviceability and legislation. (Grade only) (Grade Only)
Prerequisites/Corequisites:

Recommended:
Limits on Enrollment:
Transfer Credit: CSU;UC. (CAN FCS6)(HEC6)
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:
Certificate Applicable Course

COURSE CONTENT

Outcomes and Objectives:
Upon completion of this course, the student will be able to:
1. Identify and discuss the major factors that influence textile consumption.
2. Describe current trends in fiber and fabric consumption.
3. Assess possible future problems in all areas of fiber consumption.
4. Illustrate how the possible future problems in fiber consumption affect today's consumers.
5. Identify specific imperfections or problems in textile products that cause dissatisfaction in consumption.
6. State practices consumers may follow in selecting, using, and caring for textile products to increase satisfaction.
7. List the natural and manmade fibers commonly used to make textile products.
8. Compare the general properties of natural and manmade fibers.
9. Describe the manufacturing and processing for each of the natural and manmade fibers.
10. Define basic terminology used in the textile industry.
11. Describe briefly three testing techniques used to identify fibers.
12. Test and describe the general reaction of protein, cellulosic, and manufactured fibers when subjected to the burning and solubility experiments.
13. Describe the appearance of protein, cellulosic and manufactured fibers when observed under a microscope.
14. Compare the properties of the following: spun yarns, filament yarns, carded and combed yarns, woolen and worsted yarns, simple, complex or novelty yarns.
15. Identify and select the fabrication method illustrated by fabric

swatches representing the commonly used methods of making fabric.
16. Compare the basic characteristics of fabrics made by knitting, weaving, or felting blends, etc.
17. Recognize and select fine basic types of weaves used to make fabric; through basic types of knit fabrics.
18. Identify by fabric name and select swatches representative of: 25 cotton fabrics, 15 wool, 10 silk, 4 linen, 4-6 each manmade fabrics.
19. Name and define ten different types of finishes applied to fabrics for usefulness and appearance.
20. Recognize techniques used to apply color and design to fabric.
21. Identify the trade name of cotton finishes applied to fabrics.
22. Explain how textile elements determine the care of the product for consumer satisfaction.
23. List and define five legislative acts and/or Federal Trade Commission rulings that relate to the sale of textile products.
24. Explain how each legislation provides benefits for the consumer.
25. Recognize violations of textile legislations and/or FTC rulings.
26. Explain the purposes of products used in laundering operations.
27. Explain how temperatures affect cleaning, wrinkling, dye stability, and fabric finish durability.
28. Describe satisfactory stain removal techniques for common stains often found on textile products.
29. List products that may be used effectively to remove water-based and oil-based stains.
30. Discuss the effects of modern laundering practices on the environment.
31. Practice basic weaving techniques in a sampler project.
32. Practice the art of spinning of wool fleece.
33. Practice one method (batik) of application of design/color by completing a sampler.

Topics and Scope:

1. History of textile industry.
2. Cultural background.
3. Consumer movements and problems.
4. Standards and government regulations.
5. Textile terms and properties.
6. Manufacture and processing of fibers.
7. Study of natural and man-made fibers.
8. Yarn structure.
9. Fabric construction-woven, nonwoven, knit, other, etc.
10. Fabric design.
11. Finishes.
12. Performance.
13. Maintenance-cost.
14. Experiments include: fiber identification using microscope, burn test, chemical test, care of fabric during laundering and stain removal, create yarns by handspinning, dye hand spun yarns (time allowing), weave identification and construction, evaluating labels and advertisements, identification of fabrics by visual means, designing fabric using batik method (time allowing), evaluating fabrics using wear tests and color tests.

Assignment:

1. Notebook containing assignments given during the semester, reference readings, class lecture notes, text assignments, handouts, experiments, swatch collection, labels and advertisements, other, etc.
2. Research project.
3. Reference readings (3 required).
4. Swatch collection.
5. Lab experiments.

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, Term papers	Writing 15 - 25%

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

Exams	Problem solving 10 - 15%

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

LAB PROJECTS	Skill Demonstrations 15 - 25%

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

Multiple choice, True/false, Matching items, Completion, SHORT ESSAY	Exams 10 - 20%

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

NOTEBOOK FILE	Other Category 15 - 25%

Representative Textbooks and Materials:
Textiles by Kadolf, Holler Saddler, 7th Ed. 1993