

FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: IND 1429

COURSE TITLE: Basic Textiles

PREREQUISITE(S): None

COREQUISITE(S): None

CREDIT HOURS: 3

CONTACT HOURS/WEEK: 4

CONTACT HOUR BREAKDOWN:

Lecture/Discussion: 2

Laboratory: 2

Other _____:

FACULTY WORKLOAD POINTS: 3

STANDARDIZED CLASS SIZE
ALLOCATION: 24

CATALOG COURSE DESCRIPTION:

This course, a study of fabrics used for clothing and home furnishings, emphasizes fibers, yarns, constructions, designs and finishes that determine qualities and the performance of a fabric. This course also includes the use and care of fabrics and cost factors.

SUGGESTED TEXT(S): Hollen, Norma, Jane Sadler, and Anne Langford,
Textiles, Latest edition. New York, NY: MacMillan
Publishing Company, Inc.

The Textile Kit, Latest edition. Atexine (Publisher)

IMPLEMENTATION DATE: November 5, 1984

REVIEW OR MODIFICATION DATE: Fall Term, 2002 (20031)
Fall Term, 2007 (20081) (was CTE 1401)

COURSE TOPICS	<u>CONTACT HOURS PER TOPIC</u>
I. Introduction	1
II. Textile Fibers	15
A. Fibers and Their Properties	(4)
B. Natural Fibers	(4)
C. Manufactured Fibers	(4)
D. Fiber Modifications	(3)
III. Yarns	7
A. Filament Yarns	
B. Spun Yarns	
C. Yarn Classification	
D. Threads	
IV. Fabric Construction	24
A. Weaving and the Loom	(2)
B. Three Basic Weaves	(2)
C. Crepe Weaves and Crepe Fabrics	(2)
D. Knitting: Weft Knitting and Hosiery	(2)
E. Warp Knitting	(2)
F. Knitting Variants: Knit Weave and Knit Sew	(2)
G. Pile Fabrics	(2)
H. Figured Fabrics and Picques	(2)
I. Double Cloth and Multicomponent Fabrics	(2)
J. Lace, Leno Weave, and Narrow Fabrics	(2)
K. Fiber to Fabric Textiles	(2)
L. Film, Foam, Leather, and Fur	(2)
V. Finishes	8
A. General or Routine	
B. Aesthetic or Beauty	
C. Special Purpose	
D. Flame Retardent Finishes and Flammability	
E. Dying and Printing	
VI. Textile Legislation	1
VII. Selection and Care of Textile Products	4

After instruction, the student will be able to:

1. Predict fabric performance based on knowledge of fibers, yarns, fabric constructions, and finishes in conjunction with information labeling.
2. Select textile products for specific end uses.
3. Use textile terminology correctly.
 4. Understand how production processes affect the characteristics and cost of fabrics.
5. Know current law and labeling requirements that regulate textile distribution.
6. Care for garments and fabrics satisfactorily.

PROGRAM TITLE: Business Administration and Management

COURSE TITLE: Basic Textiles

CIP NUMBER: 0506.040102

LIST PERFORMANCE STANDARD ADDRESSED:

NUMBER(S): TITLES(S):

01.0 PERFORM MATH COMPUTATIONS--The student will be able to:

- 01.04 Solve problems involving percentages and discounts using a calculator.
- 01.05 Solve problems involving comparison shopping using a calculator.
- 01.06 Interpret graphs and tables.
- 01.07 Solve finance charge and annual percentage rate problems using a calculator.
- 01.10 Solve problems involving perimeter or area of a rectangular region.
- 01.11 Solve problems involving length, width, or height.

04.0 PERFORM COMMUNICATION ACTIVITIES--The student will be able to:

- 04.01 Follow oral and written instructions.
- 04.04 Participate in a group discussion as a member and as a leader.
- 04.05 Obtain appropriate information from graphics, maps, or signs.
- 04.11 Prepare visual material to support an oral presentation.

05.0 DEVELOP HUMAN RELATIONS SKILLS--The student will be able to:

- 05.01 Demonstrate appropriate work habits.

07.0 PERFORM JOB APPLICATION ACTIVITIES--The student will be able to:

- 07.01 Identify sources of employment opportunities.

10.0 PERFORM CONSUMER ECONOMIC ACTIVITIES--The student will be able to:

- 10.01 Identify basic concepts of the American economic system.

