Assignments are given each week and due dates are indicated on this outline. Assignments are not accepted late.

Reading and study questions are assigned each week and should be completed before attending the lecture. Study questions are not graded but are used during class discussion and for quiz questions.

**Week 1--INTRODUCTION**

9/1 **Session 1:** Course requirements, texts, exams, homework. Instructor policies.
Homework: Buy supplies, swatch kit and text.

9/8 **Session 2:** Textile overview: Textile industry and Fabric components. Textile Laws and Regulations
Using the swatch kit
Preparation for class:
Bring Text, Swatch Kit and supplies.
Read: Ch. 1, 16
Study questions: Ch 1: 3, 4, 5, 7, 10;

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**Week 2--FIBER CHARACTERISTICS --CH. 2**

9/13 **Session 3:** Fiber Basics: Types and Characteristics
Preparation for class::
Swatches mounted and labeled in swatch book
Read: Ch.2 pp. 19-29.
Study questions: Ch. 2: 1,4,5,6,7,8

9/15 **Session 4:** Fiber Basics: Plant and animal fibers, fiber blends
Preparation for class::
Homework due: Assignment 1: Fiber Characteristics Worksheet

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**Week 3--NATURAL FIBERS--CH. 3, pp. 43-49**

9/20 **Session 5:** Holiday

9/22 **Session 6:** Plant fibers, fiber blends
Preparation for class::
Read Ch. 3 pp. 43-49

**Homework due:** Assignment 2: Fabric Appearance Worksheet

**Week 4--NATURAL FIBERS--CH. 3, pp. 43-49**

**9/27**

**Session 7:** Animal fibers, fiber blends

**Preparation for class:**
Read Ch. 3 pp. 43-49
Sign up for Textile Research Fabrics

**9/29**

**Session 8:** Animal fibers, fiber blends

**Preparation for class:**
Study Questions: Ch. 3: 6,9,10

**Homework due:** Assignment 3: Wicking Worksheet

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**Week 5--MANUFACTURED FIBERS --CH. 3, pp. 49-70**

**10/4**

**Session 9:** Man made fibers, fiber blends,

**Preparation for class:**
Read Ch. 3 pp. 49-70,
Study questions: Ch. 3: 1, 2,4

**10/6**

**Session 10:** Textile testing

**Preparation for class:**
Read Ch 2 pg. 29-33,

**Homework due:** Assignment 4: Wrinkle Resistance Worksheet

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**Week 6-- FIBER IDENTIFICATION --CH. 2**

**10/11**

**Session 11:** Manufactured fibers, fiber blends, con’t

**Preparation for class:**
Study Questions: Ch. 3: 3, 7

**Homework due:**
Assignment 5: Burn Testing Properties Worksheet
Assignment 6: Solubility Testing Worksheet

**10/13**

**Session 12:** TEST 1 and Textile testing con’t

**Preparation for class :**
Read Ch 2 pg. 29-33

**Homework due:**

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**Week 7--YARNS--CH. 4**

**10/18**

**Session 13:** Yarn types, characteristics, yarn identification

**Preparation for class:**
Read Ch. 4
Study Questions: Ch. 4: 1, 5, 8

**Homework due:** Assignment 7: Mystery Fiber Identification
Worksheet

10/20  **Session 14:** Yarn types, characteristics, yarn identification  
**Preparation for class:**  
Study Questions: Ch. 4: 2, 4, 6  
Bring fabrics made of different yarns for discussion

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**Week 8--FABRIC STRUCTURES--WOVEN FABRICS--CH. 5**

10/25  **Session 15:** Weaving process, basic weaves  
**Preparation for class:**  
Read Ch. 5  
Study Questions: Ch. 5: 1, 2, 6, 10  
**Homework due:** Assignment 8: Yarn Types Worksheet  
Assignment 9: Yarn Types Worksheet

10/27  **Session 16:** Weaving process, basic weaves  
**Homework due:** Begin Assignment 10: Weaving Project (due 4/28)

Study Questions: Ch. 5: 4, 7, 8, 9

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**Week 9--FABRIC STRUCTURES--KNIT FABRICS--CH. 6**

11/1  **Session 17:** Knitting process, characteristic  
**Preparation for class:**  
Study questions: Ch. 6: 1, 2, 3, 4  
Read Ch. 6 Knit Fabrics  
**Homework due:** Assignment 11: Thread Count Worksheet  
Assignment 12: Weave Identification

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**Week 10--NON WOVEN Ch 7**

11/8  **Session 19:** Bonded, laminated, lace, leather, fur  
**Preparation for class:**  
Reading: Ch. 7 Other Types of Textiles  
Study questions: Ch. 7: 1, 2, 3, 7, 9, 11, 13  
**Homework due:** Assignment 13: Knit Identification Worksheet  
Assignment 14: Knit Gauge Worksheet

11/10  **Session 20:** Bonded, laminated, lace, leather, fur
Preparation for class:
Bring examples of non woven, lace, bonded or laminated fabric used for garments or household objects.

Week 11—COLORATION

11/15 Session 21: TEST 2 (Yarns through Non-wovens)

11/17 Session 22: Color processes: Dyeing Basics and Characteristics

Week 12--TEXTILE DYEING/PRINTING--CH. 8

11/22 Session 23: Color processes: Dyeing Basics and Characteristics
Commercial Dyeing and Dye Resists
Preparation for class:
Read Ch. 8
Study Questions: 2, 3, 6, 7, 8, 9, 10.

11/24 Session 24: Commercial Dyeing
Homework due: Assignment 10: Weaving Project--(20 pts)

Week 13--TEXTILE DYEING/PRINTING

11/29 Session 25: Dye Lab
Preparation for class:
Bring prepared samples for dye session
In-Class Assignment 15: Lab Dips
In-Class Assignment 16: Dye Techniques Project
In-Class Assignment 17: Scarf

12/1 Session 26: Commercial Printing Processes
Basic Types of Prints, Pigments and Printing Types
Preparation for class:
Read Ch. 9
Study questions: 2, 4, 5, 7, 8, 9, 10

Week 14--TEXTILE PRINTING--CH. 9

12/6 Session 27: Textile printing lab
Preparation for class:
Bring prepared stencils and fabric
Homework due: Textile Research Pages DUE
12/8  **Session 28:** Basic Finishes  
**Preparation for class**  
Read Ch. 10,  
Study questions: 2, 3, 4, 5, 6, 8, 9, 10  
**Homework due:** Assignment 18: Printing Techniques Project

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**Week 15—FINISHES—CH. 10**

12/13  **Session 29:** Aesthetic Finishes  
Read Ch. 10  
**Homework due:** Corrected Textile Research Pages DUE—copies with swatches attached for each classmate

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**Week 16—**

12/15  **FINAL EXAM**  
W DEC. 15, 2004 9:40-11:40 AM

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**Extra Credit Assignments:**  
No more than one person may present at each class session—presentations will be scheduled on a first come, first served basis.

- You may earn up to **10 points** of extra credit by:

  Searching the internet for an article about one of the lecture topics (fibers, yarns, woven or knit fabrics, dyes, printing, finishing, textile regulations, fabric care, or special performance fabrics). The article must be shared with the class during the appropriate lecture. You must submit a 1-page word processed review worth 10 points and include a copy of the internet article with the internet site listed. All presentations must be completed and written projects submitted **BEFORE 12/8/04** to receive credit.

- You may earn up to **5 points** of extra credit by:

  Teaching the class something new. Each presentation is worth 5 points. You will have a maximum of 10 minutes for your presentation. You must arrange the presentation with the instructor to ensure adequate time is available on the date you select to present.

  1. You may bring in examples of fabrics or garments when appropriate to the lecture topic and explain how they reinforce the lecture material.

  2. You may attend a fashion event where textiles are featured and share the new information you learned.

  3. You may negotiate a topic with the instructor.