



### **Course Description**

#### **CTE1401 | Textiles | 3.00 credits**

This is a survey course designed for students majoring in fashion-related curriculum or with a general interest in textile materials. Students will learn basic elements of the transformation from fiber of textiles into finished goods. The course provides insights into textile manufactures with a primary focus on general textile applications relative to end-use consumer products. Students will learn the terminology needed for effective communication throughout the fashion supply chain, gain insight and appreciation for the relative value of textile products and the appropriateness of specific textile uses.

### **Course Competencies:**

**Competency 1:** The student will demonstrate the ability to recognize, identify, and accurately describe basic textile structures and major variations of those structures by:

1. Discussing and identifying major segments of the textile industry and distribution channels
2. Researching and analyzing the general end uses of the textile structure for sewn products in both apparel and home products, as well as special ends uses in technical textiles, industrial; products for both branded and private label products
3. Describing the structure of the purchasers of textile materials in apparel, home furnishings and specialty products

**Competency 2:** The student will evaluate the general suitability of textile materials as used to manufacture or construct various consumer products by:

1. Identifying and recognizing general textile properties and the relationship to application: color, texture, luster, hand and drape
2. Developing an understanding of the relationship of performance or functional considerations to end products: ease of care, absorbency, durability, reaction to care and maintenance, elastic/electrostatic properties and resistance to environmental issues
3. Utilizing the classification of textile materials to cost effective end uses

**Competency 3:** The student will demonstrate the ability to relate textile materials to aesthetic and functional performance attributes to consumer products such as apparel and home textiles by:

1. Identifying fiber classifications, physical characteristics of fibers, and the relationship between fibers and textile properties as they relate to product materials
2. Analyzing and comprehending the significant role yarn structure, woven, knitted and other fabric construction to the product
3. Describing and distinguishing skin comfort and insulation qualities, durability, ease of care, shape retention and fit, coloration to cost and value

**Competency 4:** The student will develop the ability to appreciate the relative cost and value of textile products as a function of materials and construction globally by:

1. Examining how the finishing of the raw textile product relates to cost and added value to the product.
2. Identifying how the altering of aesthetic and functionality affects textiles
3. Comparing and contrasting how the durability of finishes affects product salability

**Competency 5:** The student will develop the ability to effectively use textile terminology as a basis for more effective communications with global partners and regulatory agencies, suppliers, and the ultimate consumer by:

1. Discussing and identifying domestic and international laws relating to fiber identification, wool products, flammability care labeling and country of origin
2. Defining and using raw material terminology
3. Communicating technical textile language to suppliers and customers

**Learning Outcomes:**

- Communicate effectively using listening, speaking, reading, and writing skills
- Solve problems using critical and creative thinking and scientific reasoning
- Formulate strategies to locate, evaluate, and apply information