Course Learning Objectives

1. The Textile Industry
   a. Terminology
   b. Historic Influences
   c. Professional practices and terms related to textiles
2. Fiber Basics
   a. Fiber and cloth identification
   b. Yarn classifications
   c. Construction Techniques
3. Construction Techniques
   a. Woven
   b. Non-woven
   c. Compound cloths
   d. Dyed and printed
   e. Finishing techniques
4. Aesthetic Considerations
   a. The role of the textile designer
   b. Texture and color
   c. Types of printed designs
   d. Types of layouts
5. Uses for Textiles
   a. Walls
   b. Upholstery
   c. Windows
   d. Floors

Student Learning Outcomes

By the end of this course, a student should be able to:

1. To encourage student awareness of current environmental and social issues regarding textiles, i.e. green design, organically grown cotton, etc.
2. Ability to understand the creative process of design used in the work of textile designers, i.e. types of prints, layouts, etc.
3. Demonstrate knowledge of the characteristics and properties of fibers, i.e. natural, manufactured, etc.
4. Ability to identify differences between different construction processes, i.e. dobby vs. triaxial weave, etc.
5. Ability to understand the classification of yarns and how they relate to construction processes and intended end uses.
6. To develop an understanding of the processes involved in textile design and construction, i.e. yarn dyed designs, etc.
7. Demonstrate knowledge of finishing methods of fabrics and how they relate to specific end uses.
8. Ability to understand compound fabrics, non-woven fabrics and their use in commercial specifications.
9. Make decisions based on ability to select, use and care appropriate fabrics for specific end uses.
10. Demonstrate ability to select and specify fabrics for window treatments, upholstering furniture, floor coverings, and accessories.