Term Information

Effective Term: Spring 2014
Previous Value: Summer 2013

Course Change Information

What change is being proposed? (If more than one, what changes are being proposed?)
Currently prereqs are FRS 2373, 2371, Chem 1110 - add C- in 2373 and 2371

What is the rationale for the proposed change(s)?
Add C- prerequisite requirement, since a graduation requirement for FRS, but not previously a course prerequisite

What are the programmatic implications of the proposed change(s)?
(e.g. program requirements to be added or removed, changes to be made in available resources, effect on other programs that use the course)?
None

Is approval of the request contingent upon the approval of other course or curricular program request? No

Is this a request to withdraw the course? No

General Information

Course Bulletin Listing/Subject Area: Consumer Sci: Fashion & Retail
Fiscal Unit/Academic Org: Dept of Human Nutrition - D1254
College/Academic Group: Education & Human Ecology
Level/Career: Undergraduate
Course Number/Catalog: 3471
Course Title: Textile Product Quality
Transcript Abbreviation: Textile Prod Qual
Course Description: Parameters of textile and apparel quality, standards and specifications, interpretation of test data and evaluation, assurance of quality through the supply chain.
Semester Credit Hours/Units: Fixed: 5

Offering Information

Length Of Course: 14 Week, 7 Week, 4 Week (May Session), 12 Week (May + Summer)
Flexibly Scheduled Course: Never
Does any section of this course have a distance education component? No
Grading Basis: Letter Grade
Repeatable: No
Course Components: Lecture
Grade Roster Component: Lecture
Credit Available by Exam: No
Admission Condition Course: No
Off Campus: Never
Campus of Offering: Columbus

Prerequisites and Exclusions
COURSE CHANGE REQUEST
3471 - Status: PENDING
Last Updated: Buckworth, Janet
03/25/2013

Cross-Listings

Prerequisites/Corequisites
Prereq: CSFRSt 2373 (CSFsnRtS 275) with C- or higher, 2371 (371) with C- or higher, and Chem 1110 (102).

Previous Value
Prereq: CSFRSt 2373 (CSFsnRtS 275), 2371, and Chem 1110 (102).

Exclusions
Not open to students with credit for CSFsnRtS 571.

Cross-Listings

Subject/CIP Code

Subject/CIP Code
52.1902

Subsidy Level
Baccalaureate Course

Intended Rank
Sophomore, Junior, Senior

Previous Value
Sophomore, Junior

Quarters to Semesters

Quarters to Semesters
Semester equivalent of a quarter course (e.g., a 5 credit hour course under quarters which becomes a 3 credit hour course under semesters)

List the number and title of current course being converted
CSFsnRtS 571: Textile Product Quality Evaluation and Materials Sourcing.

*** CONVERSION NOTE: For degree audit purposes, students with credit for CSFsnRtS 375 will receive audit credit for CSFRSt 3471. Content of CSFsnRtS 3471 derived from CSFsnRt

Requirement/Elective Designation

Required for this unit's degrees, majors, and/or minors

Course Details

Course goals or learning objectives/outcomes

• 1. Define quality and the means to assure quality in textile products.
• 2. Define corporate, national, and global standards and specifications, describe the process of their development and demonstrate how they are used
• 3. Identify the organizations engaged in the development of textile product standards and specifications
• 4. Describe the process of establishing specifications for products based on end use requirements
• 5. Describe the principles of textile testing, the types of performance that are tested and demonstrate how the test results are used in evaluating textile materials
• 6. Understand and apply knowledge of the different methods used in fabric and garment sourcing:
• 7. Understand and apply knowledge of quality assurance throughout the supply chain from raw material to the retail market.
• 8. Utilize product lifecycle management techniques in supply chain management
• 9. Solve problems addressing current issues in materials and finished product sourcing
• 10. Analyze current global, corporate and local trends that will influence the future of the textile product industry.
Content Topic List

• The supply chain from conceptualization of a product through production to consumer use and product reuse.
• The construction pipeline from fiber to yarn to fabric, through stitches, seams, darts and edge finishes to finished products including garments
• Standards for textiles, textile products, apparel, interiors; specifications, test methods, standard organizations
• Quality: definitions from the standpoint of the consumer and the industry; examples from the Historic Costume and Textiles Collection
• Applied statistics; quality assurance through the supply chain; statistical process control in manufacturing; acceptable quality levels; lot sampling and quality assessment of finished products in distribution center
• Durability testing and evaluation; principles of durability of fibers, yarns, fabrics, garments, notions; breaking strength, tearing strength, seam strength, modulus; abrasion resistance, consequences of abrasion
• Appearance retention testing and evaluation; principles of appearance retention of fabrics, garments, notions, e. g. wrinkling, puckering, fabrics and seams, examples from the Historic Costume and Textiles Collection
• Refurbishing testing and evaluation; principles of the cleaning process; principles of the consequences of refurbishing fabrics and garments; appearance retention; dimensional stability; examples from the Historic Costume and Textiles Collection
• Coloration of textiles: review; colorfastness principles; testing and evaluation; color loss through light, differential wear, perspiration, water, etc. in fabrics and garments; examples from the Historic Costume and Textiles Collection
• Color science; color systems, visual and instrumental color measurement, color difference measurement, color communication throughout the supply chain for fabrics, garments, thread, notions
• Absorbency, repellency, comfort; principles of absorbance, repellency; clothing comfort and function; interaction between the body and the garment; examples from the Historic Costume and Textiles Collection
• Flammability; federal and global regulations; principles of flammability, burning behavior of materials, seams, finished products, flame retardants; test methods required for specific end uses
• Quality assessment of finished products, review putting all the pieces together from fiber to finished product, specifications for quality levels, sizing, size, drape, fit. Examples from the Historic Costume & Textiles Collection
• Current issues and concerns that will impact the industry related to quality in performance; new textiles and new apparel constructions

Attachments

Comments

Workflow Information

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