

FS 3570 - TEXTILES: KNITS + HIGH TECH

Credits: 3

The emphasis of this course is to advance knowledge in textiles specific to high performance and knitting novelties. Students will experiment with a variety of knitting techniques using software, and will examine and test various high-tech synthetic fiber qualities to determine durability, utility, and function relevant to fashion implementation of performance apparel and products. Upon successful completion of this course, students will have a working knowledge of the potential to engineer performance apparel and specialized knitting applications in fashion and product design.

Prerequisites: FS 1200 Introduction to Textiles + Materials

Course Learning Outcomes:	Exceeding	Meeting	Developing	Not meeting	Program Outcomes	Institutional Outcomes
Discuss high performance and knitting novelties to build a strong foundation for contemporary practice in fibers.	Student work displayed an excellent degree of competence in high performance fabrics	Student work displayed a satisfactory degree of competence in high performance fabrics	Student work displayed a limited degree of competence in high performance fabrics	Student work displayed no degree of competence in high performance fabrics	FS1	Design Competence, Cultural Competence
Explain the genetic chemical quality of various man-made fibers and textile constructions.	Student work displayed an excellent degree of knowledge in chemical composition and textile constructions	Student work displayed a satisfactory degree of knowledge in chemical composition and textile constructions	Student work displayed a limited degree of knowledge in chemical composition and textile constructions	Student work displayed no degree of knowledge in chemical composition and textile constructions	FS1	Design Competence, Cultural Competence
Compare high-tech synthetic fibers for durability, utility, and function relevant to fashion performance apparel products.	Student work displayed an excellent degree of knowledge in high performance apparel productions	Student work displayed a satisfactory degree of knowledge in high performance apparel productions	Student work displayed a limited degree of knowledge in high performance apparel productions	Student work displayed no degree of knowledge in high performance apparel productions	FS1	Design Competence, Cultural Competence
Analyze high tech fabrics and knitting applications in performance apparel and specialized fashion and product design.	Student work displayed an excellent degree of competence in applying high performance fabrics to garment design	Student work displayed a satisfactory degree of competence in applying high performance fabrics to garment design	Student work displayed a limited degree of competence in applying high performance fabrics to garment design	Student work displayed no degree of competence in applying high performance fabrics to garment design	FS1	Design Competence, Cultural Competence