

TEXTILE (TEXT)

TEXT 1XX: Transfer Textile

Credits: 3

College: School of Design & Engineering
Schedule Type: Lecture

TEXT 3X1: Textile Designated Elective

Credits: 3

College: School of Design & Engineering
Schedule Type: Lecture

TEXT 3XX: Textile Designated Elective

Credits: 3

College: School of Design & Engineering
Schedule Type: Lecture

TEXT 101: Survey of Textile Industry

Introduction to the language and process flow of fibers through finished products. Topics include fiber classification, formation and variants; spun and filament yarn processing, numbering systems, texturing and novelty yarns; woven, knit and nonwoven fabric formation, processing equipment and basic design elements; printing, dyeing and finishing processes; product evaluation; as well as government legislation related to textiles. A laboratory experience provides support for the lectures.

Credits: 3

College: School of Design & Engineering
Schedule Type: Lecture

TEXT 101L: Survey of Textile Industry Lab

Credits: 0

College: School of Design & Engineering
Schedule Type: Lab

TEXT 104: FoundationFiber & Yarn Studies

TEXT-104 Fiber and Yarn Studies This course introduces the basic knowledge of fiber and yarn technology. Included are the proper use of fiber/yarn terms and definitions, the construction parameters of the various fiber and yarn types and detailed analysis of performance properties of each. This information is then used in the proper selection of fibers and yarns for various fabrics and ultimately for various end use products in apparel, household and industrial applications.

Credits: 3

College: School of Design & Engineering
Schedule Type: Lab, Lecture, Lecture/Lab

TEXT 105: Text Des. Studio I: Ideation

This is the introductory studio for undergraduate Textile Design majors. It will introduce concept development (inspiration, ideation, narrative, concept boards), color and trend research, Photoshop and Illustrator, mapping skills, branding and portfolio creation.

Credits: 3

College: School of Design & Engineering
Prerequisites: DRAW 101 and VDES 101 [Min Grade: D]
Schedule Type: Studio

TEXT 113: Yarn

Credits: 4

College: School of Design & Engineering
Prerequisites: TEXT 101 [Min Grade: D]
Schedule Type: Lab, Lecture

TEXT 201: Textile Production I

Credits: 3

College: School of Design & Engineering
Prerequisites: TEXT 101 [Min Grade: D]
Schedule Type: Lab, Lecture

TEXT 204: African Textiles Short Course

Credits: 3

College: School of Design & Engineering
Schedule Type: Lab, Lecture

TEXT 205: Text. Des. Studio II: Fashion

This is the second in a sequence of four studios. This course focuses on creating a line of textiles for fashion apparel incorporating print, knit and woven design. Students will explore designing for the body using illustrative, sculptural, draping and shaping techniques.

Credits: 3

College: School of Design & Engineering
Prerequisites: KNIT 201 and TEXT 105 and WEAV 201 [Min Grade: D]
Schedule Type: Studio

TEXT 206: Text Des Studio III: Interiors

This is the third in a sequence of four studios. This course focuses on creating a line of textiles for home furnishings incorporating print, knit and woven design. Students will explore the aesthetic and technical opportunities of interiors, including the business of supply chain.

Credits: 3

College: School of Design & Engineering
Prerequisites: TEXT 205 [Min Grade: D]
Schedule Type: Studio

TEXT 209: Industrial Fabrics

Credits: 3

College: School of Design & Engineering
Prerequisites: TEXT 307 [Min Grade: D]
Schedule Type: Lecture

TEXT 219: Textiles for Interiors & Arch

Credits: 3

College: School of Design & Engineering
Prerequisites: TEXT 101 [Min Grade: D]
Schedule Type: Lecture

TEXT 301: Coloring & Finishing

Credits: 3

College: School of Design & Engineering
Prerequisites: TEXT 101 and CHEM 101 [Min Grade: D]
Schedule Type: Lecture

TEXT 305: Adv Fabric Performance Eval

The objective evaluation of fabric-mechanical properties influencing hand and performance are explored. Comfortcontributing qualities, such as thermal conductivity and air permeability, are also addressed. The influence of fabric-mechanical properties on formability and seaming is assessed with special attention to their role in automated assembly.

Credits: 3

College: School of Design & Engineering
Prerequisites: TEXT 307 or TEXT 331 [Min Grade: D]
Schedule Type: Lab, Lecture

TEXT 306: Text Des Studio IV: Performanc

This is the final course in a sequence of four studios. This course enables students to create textiles for contract furnishings, automotive interiors, high performance apparel or smart textile applications. The studio emphasizes the marriage of performance characteristics and aesthetics, with a focus on fitness for use.

Credits: 3**College:** School of Design & Engineering**Prerequisites:** TEXT 206 [Min Grade: D]**Schedule Type:** Lecture, Studio**TEXT 307: Textile Materials**

The interrelationship of fiber selection, yarn processing, fabrication and finishing parameters is used to predict and measure fabric performance for specific end uses. A laboratory experience in textile product evaluation provides practical application of theory. The impact of textile-related government regulations is also emphasized.

Credits: 4**College:** School of Design & Engineering**Prerequisites:** TEXT 101 or TEXT 104 [Min Grade: D]**Schedule Type:** Lab, Lecture, Lecture/Lab**TEXT 313: Textile Costing****Credits:** 3**College:** School of Design & Engineering**Prerequisites:** WEAV 201 and KNIT 201 [Min Grade: D]**Schedule Type:** Lecture**TEXT 314: European Textile Printing**

A two-week study tour in the textile printing areas of France, Switzerland and Northern Italy introduces Textile Design and Engineering Technology majors to the expertise of important European printers, screen engravers and studios in the areas of printed textile design, style, color and printing technology. Visits to the two important French historic textile museums and other related textile plants are also included.

Credits: 3**College:** School of Design & Engineering**Prerequisites:** PRNT 315 or PRNT 305 or PRNT 301 [Min Grade: D]**Schedule Type:** Study Abroad**TEXT 315: Interior Fabric Performance****Credits:** 3**College:** School of Design & Engineering**Prerequisites:** TEXT 307 [Min Grade: D]**Schedule Type:** Lab, Lecture**TEXT 316: Textile Quality Management****Credits:** 3**College:** School of Design & Engineering**Schedule Type:** Lecture**TEXT 317: Textile Production Control****Credits:** 3**College:** School of Design & Engineering**Prerequisites:** WEAV 201 and KNIT 201 [Min Grade: D]**Schedule Type:** Lecture**TEXT 321: Nonwovens**

The methods of web formation, bonding, end-use and market potential for nonwovens are investigated. In the laboratory, dry-laid and wet-laid nonwovens are manufactured and later evaluated in the testing laboratory for their unique characteristics.

Credits: 3**College:** School of Design & Engineering**Prerequisites:** TEXT 101 or TEXT 104 [Min Grade: D]**Schedule Type:** Lab, Lecture, Lecture/Lab**TEXT 325: Fibrous Composite Materials****Credits:** 3**College:** School of Design & Engineering**Prerequisites:** MATH 112 and ENGR 215 [Min Grade: D]**Schedule Type:** Lab, Lecture**TEXT 331: Apparel Fabric Performance**

The course focuses upon the dependent relationship of the raw materials, manufacturing processes and finishing techniques that influence the actual performance of apparel products. This will enable students to evaluate a garment's suitability for a specific end use when any fabric variable is altered or when a product's construction and composition is examined. Federally mandated and voluntary labeling requirements will be emphasized. This course cannot be taken for credit by students who have taken TEXT-307.

Credits: 3**College:** School of Design & Engineering**Prerequisites:** TEXT 101 [Min Grade: D]**Schedule Type:** Lecture**TEXT 335: Nonwovens Fabrication & Design****Credits:** 3**College:** School of Design & Engineering**Schedule Type:** Lab, Lecture**TEXT 371: Special Topics in Textiles****Credits:** 3**College:** School of Design & Engineering**Schedule Type:** Lecture**TEXT 381: Indep Study in Textiles I**

For details, see description of Independent Study in "University Academic Policies and Procedures: Common Academic Policies for All Students.". Permission required. See appropriate form online at the University Registrar's webpage <http://www.philau.edu/registrar/> for more information.

Credits: 3**College:** School of Design & Engineering**Schedule Type:** Independent Study**TEXT 382: Indep Study in Textiles II****Credits:** 3**College:** School of Design & Engineering**Schedule Type:** Independent Study**TEXT 391: Textile Design Research**

This course will focus on uses of various design resources such as museums, market information, color forecasts, trade shows, nature and current events to generate design ideas suitable for the student's concentration area. Active research will result in a written and illustrated sketchbook of ideas to be used in advanced studio course projects, as well as portfolio-suitable drawings and paintings.

Credits: 3**College:** School of Design & Engineering**Prerequisites:** DRAW 303 [Min Grade: D]**Schedule Type:** Lecture, Lecture/Studio Combination, Studio

TEXT 398: Textile Designated Elective**Credits:** 3**College:** School of Design & Engineering**Schedule Type:** Lecture**TEXT 411: Textile Industry Issues**

Seminars will expose students to diverse views, as well as enable them to discuss broad issues that cut across several disciplines. New technology and processes, business ethics, industry forecasting and marketing innovations, as well as career information, are effectively presented in this format. One credit of Textile/Apparel Industry Issues is required for TD, TET, FD and FIM majors.

Credits: 1**College:** School of Design & Engineering**Schedule Type:** By Appointment - 1 student, By Appointment, Hybrid, Lecture, On-Line**TEXT 487: Textile Eng Tech SR Proj****Credits:** 4**College:** School of Design & Engineering**Prerequisites:** WRIT 211 or WRIT 215 or WRIT 217 [Min Grade: D]**Schedule Type:** Lecture**TEXT 487N: Capstone in Textile Mat. Tech**

Design, development, manufacturing, research and other thought-provoking problems are presented. Students will work in teams to analyze information/data on numerous textile- or apparel-related problems. The final project will reflect the work previously conducted in the TMT Option and will constitute the final submission to each student's digital portfolio.

Credits: 6**College:** School of Design & Engineering**Prerequisites:** (WRIT 211 or WRIT 215 or WRIT 217 or WRIT 201 or WRIT 202) and (KNIT 205 and WEAV 301) and (TEXC 202 or TEXC 242) [Min Grade: D]**Schedule Type:** By Appointment - 2 students, By Appointment, Lab, Lecture, Lecture/Lab**TEXT 489: Textile Design Senior Seminar**

The capstone course for students within the Textile Design major during which the students will develop a professional portfolio in actual and digital formats and refine work for their final exhibition. Students' individual interests will guide market research and the resultant development of targeted lists of potential employers. Resumes, cover letters and promotional packets will be developed during the course of the semester.

Credits: 3**College:** School of Design & Engineering**Schedule Type:** Lecture**TEXT 490: Textile Design Capstone 1**

This is the first course of the two-course capstone sequence. Textile Design Capstone students develop projects independently that demonstrate their ability and understanding of textile design theory and practice. In Capstone I, students will discover Textile Design areas of interest through intensive design research and exploration. Resumes, supporting documentation and portfolios will be developed. Prerequisite: TEXT 306 (Textile Design Studio IV) and one Textile Design Designated Elective.

Credits: 3**College:** School of Design & Engineering**Prerequisites:** TEXT 306 Min Grade: D and (KNIT 205 Min Grade: D or KNIT 213 Min Grade: D or KNIT 307 Min Grade: D or KNIT 326 Min Grade: D or PRNT 301 Min Grade: D or PRNT 315 Min Grade: D or PRNT 331 Min Grade: D or SDE 350 Min Grade: D or TXD 777 Min Grade: C or WEAV 226 Min Grade: D or WEAV 301 Min Grade: D or WEAV 307 Min Grade: D or WEAV 327 Min Grade: D)**Schedule Type:** Lecture, Studio**TEXT 491: Textile Design Capstone 2**

This is the second course of the two-course capstone sequence. Building on the research and design exploration of Textile Design Capstone I, students will create a resolved collection that is trend-right, market-ready. The capstone collection will result in a culminating exhibit, a final portfolio in actual and digital formats and supporting documentation. Prerequisite: TEXT 4XX (Textile Design Capstone 1) and two Textile Design Designated Electives.

Credits: 3**College:** School of Design & Engineering**Prerequisites:** TEXT 490 Min Grade: D and (KNIT 205 Min Grade: D or KNIT 213 Min Grade: D or KNIT 307 Min Grade: D or KNIT 326 Min Grade: D or PRNT 301 Min Grade: D or PRNT 315 Min Grade: D or PRNT 331 Min Grade: D or SDE 350 Min Grade: D or TXD 777 Min Grade: C or WEAV 226 Min Grade: D or WEAV 301 Min Grade: D or WEAV 307 Min Grade: D or WEAV 327 Min Grade: D) and (KNIT 205 Min Grade: D or KNIT 213 Min Grade: D or KNIT 307 Min Grade: D or KNIT 326 Min Grade: D or PRNT 301 Min Grade: D or PRNT 315 Min Grade: D or PRNT 331 Min Grade: D or SDE 350 Min Grade: D or TXD 777 Min Grade: C or WEAV 226 Min Grade: D or WEAV 301 Min Grade: D or WEAV 307 Min Grade: D or WEAV 327 Min Grade: D)**Schedule Type:** By Appointment - 1 student, Lecture, Studio**TEXT 499: Textile Design Capstone**

Textile Design Capstone Students develop projects independently and are required to demonstrate ability and understanding of textile design theory, processes and principles. The final project requires topic research, design exploration, development and final professional presentation. Additionally, a resume, culminating portfolio and support materials will be developed.

Credits: 6**College:** School of Design & Engineering**Prerequisites:** PRNT 315 or WEAV 307 or KNIT 326 [Min Grade: D]**Schedule Type:** By Appointment - 1 student, By Appointment, Studio