

# Fashion and Textile Design (FTD)

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## **FTD 104 Fashion and Textile Design First Year Studio I** (6 credit hours)

This course provides Fashion and Textile Design freshman with a comprehensive introduction to foundational design concepts and methods representative of the creative thought and processes of fashion and textile design disciplines. The coursework encourages entering freshmen to think creatively through design and art, and the world around them, as they secure a skillful level of craftsmanship in the design and making of textile products. Design language, design elements and principles, and design communication and theory will be studied through readings and applications and will be experienced in person through field trips. Additional costs may be incurred for field trips.

Co-requisite: D 100

*Typically offered in Fall only*

## **FTD 105 Fashion and Textile Design First Year Studio II** (6 credit hours)

This course is the continuation of the comprehensive introduction to foundational design concepts and methods representative of creative thought and activity across design and artistic disciplines, started in FTD FY Studio I. The course work encourages first year students to think critically and in depth about concept, context, material, and design process, for textile and fashion product development. There will be readings and applications in advanced design theory, including processes, methods, philosophies and related concepts. The class will involve field trips to experience these advanced design principles in person. Additional costs may be incurred.

Prerequisites: D 100 and FTD 104; Co-requisites: D 101 and FTD 200

*Typically offered in Spring only*

## **FTD 200 Design Skills Workshop** (3 credit hours)

First course in developing student's use of design tools for the production of prototype products from textile materials, beginning with the selection of appropriate fabric and other raw materials and extending through critiquing the product. Concepts of ethical and sustainable design are built into the analysis and design of the product. A variety of techniques for designing sewn textile products are explored, as well as methods and safe practices for using equipment in the studio. FTD Majors Only.

Prerequisite: TT 105 and Corequisite: D 105

*Typically offered in Spring only*

## **FTD 201 Computer-Aided Textile Design and Color Studio** (6 credit hours)

Application of industry textile design and visualization software to conception, design, development and presentation of creative textiles and textile products. Essential creative skills for textile design, such as motif and repeat development, will be introduced. Textile design solutions will be sampled using industrial technologies such as a digital printing, electronic knitting and computer-driven weaving. Color will be explored as a primary designer's tool including use in textile design, sensitivity and skills in communicating color, color perception and color theories, and color forecasting, creative projects will build skills in CAD for textiles and color. Additional costs may be incurred for course materials/equipment. FTD majors only.

Prerequisite: D101, D103, FTD 105, and a grade of C or better in FTD 200

*Typically offered in Fall only*

## **FTD 215 Fashion Design 1** (3 credit hours)

Studio course which introduces students to the basic rules and principles of flat pattern-making for apparel products. Advanced applications will be demonstrated through workshops utilizing concept-driven problems and follow-up critiques. Concurrent practices with computer-aided design will be presented where applicable. FTD majors only.

Prerequisite: Grade of C or better in FTD 200 and Corequisite: FTD 201

*Typically offered in Fall only*

## **FTD 216 Fashion Workroom Practices** (3 credit hours)

Studio course introducing the basic concepts and practices for the creation of final garments and extending through quality analysis of the final product. Incorporates workroom techniques for production of a variety of sewn product applications using various fabrications. FTD majors only. Additional costs may be incurred for course materials/equipment.

Prerequisite: (Grade of C or better in FTD 200) or (Grade of C or better in FTM 219)

*Typically offered in Spring only*

## **FTD 218 Fashion Illustration** (3 credit hours)

Concepts and practices for the fashion figure and fashion illustration, including the analysis of fashion figure structure details, proportion, and fashion figures clothed with different apparel and materials. The training of effective drawing of different fashion styles, wearing status and occasions, and the study of applying multiple illustration approaches to enhance fashion design and presentation. Additional costs may be incurred for course materials/equipment. FTD and FTM majors only.

Prerequisite: ADN 281

*Typically offered in Spring only*

## **FTD 321 Fashion Design by Draping** (3 credit hours)

Exploration of three-dimensional methods of apparel design using textile substrates. Design and execution of draped garment structures will be explored in a studio setting. Additional costs may be incurred for course materials/equipment. FTD and FTM majors only.

Prerequisite: (C or better in FTD 215 and FTD 216) or (C or better in FTM 219 and FTM 315)

*Typically offered in Fall only*

**FTD 373 Yarn Design Studio** (3 credit hours)

Design of yarns and sample production, including the creation of novelty yarns, fancy yarns, and innovative effects in spun and plied fibers. Exploration of color, luster, twist, and slub variations in yarns to address both functional and aesthetic challenges. Studio experiences in creating innovative yarns appropriate for use in different fabric formation technologies. Additional costs may be incurred for course materials/equipment. FTD majors only.

Prerequisite: TT 221 or TTM 106 and a grade of C or better in FTD 201  
*Typically offered in Spring only*

**FTD 374 Surface Design and Texture** (3 credit hours)

Exploration of innovative surface design and texture techniques for commercial and art applications. Embroidery, applique, stitching, fabric manipulation and aesthetic finishing processes for creative and functional design will be taught in state of the art facilities including digital printing, screen printing, cad embroidery, and industrial cad software for print design. Additional costs may be incurred for course materials/equipment. FTD majors only.

Prerequisite: TT 105 and a grade of C or better in FTD 200 and FTD 201  
*Typically offered in Spring only*

**FTD 375 Woven Textile Design Studio I** (3 credit hours)

Design and sample production of woven fabrics. Exploration of basic structures, color and textural effects. Development of design abilities through creative projects executed using hand production methods, including an introduction to computer-integrated woven textile design systems and industrial processes. Study of actual fabrics and digital images, presentations will be made. Studio experience will be augmented, when possible, through outside speakers and field trips to mills. Additional costs may be incurred for course materials/equipment. FTD majors only.

Prerequisite: Grade of C or better in both TT252 and FTD 373  
*Typically offered in Fall only*

**FTD 376 Knitted Textile Design Studio I** (3 credit hours)

Design and sample production of hand and machine knitted textiles. Exploration of basic structures, terms and definitions, including knitting notation and terminology. Development of creative knitted products utilizing design abilities and appropriate yarns through hand and machine production methods. Introduction to computer integrated knit design system and industrial knitting products and processes. Additional costs may be incurred for course material/equipment. FTD majors only.

Prerequisite: Grade of C or better in both TT252 and FTD 373  
*Typically offered in Fall only*

**FTD 419 Fashion Design 2** (3 credit hours)

Studio course which poses fashion problems to be solved with an emphasis on elements of design. Explores use of experimentation and development of "studies" as an aid in developing design ideas. Uses combination of flat pattern and CAD. Introduction to grading, marker making, and computer-controlled cutting. Additional costs may be incurred for course materials/equipment. FTD majors only.

Prerequisite: Grade of C or better in FTD 215, FTD 216, FTM 317, and FTD 321  
*Typically offered in Fall only*

**FTD 420 Fashion Collection Preparation** (3 credit hours)

Studio course exploring sources of inspiration requiring students to research, develop and translate ideas into a line plan for a collection of garments. Stresses the extension and elaboration of ideas within a specific market. Integrates knowledge across the curriculum. Student may work with a firm, contest, or current theme to develop a fashion design statement. Additional costs may be incurred for course materials/equipment. FTD and FTM majors: Fashion Design and Fashion Development concentrations only.

Prerequisite: Grade of C or better in FTM 318 or (FTD 321 and co-requisite of FTD 419)  
*Typically offered in Fall only*

**FTD 475 Woven Textile Design Studio II** (3 credit hours)

Design and sample production of specialized jacquard woven structures. Jacquard design for diverse end uses is addressed from art fabrics to unique specialty products. Exploration of advanced structures, color and textural effects. Development of design abilities through electronic production methods, including expanded use of computer-integrated design systems and exposure to industrial processes. Students will be required to complete creative design projects from concept to sample production and proposed finishing. Study of actual fabrics, digital images and presentations. Studio experiences will be augmented, when possible, through outside speakers and field trips to museum, markets, and mills. Additional costs may be incurred for course materials/equipment. FTD majors only.

Prerequisite: Grade of C or better in FTD 375  
*Typically offered in Fall only*

**FTD 476 Knitted Textile Design Studio II** (3 credit hours)

Further development of knit design beyond basic design concepts and knit structures to product application. Development of creative knitted products utilizing design abilities through hand and machine production methods, including advanced methods of utilizing computer-integrated design system for both technical structures of knits and designing of garments and shaped panels. Exploration in yarn, color, and pattern design using electronic jacquard, fully fashion and seamless knitting equipment and cad systems. Consideration of other knit technologies such as warp knitting, terry, and crochet. Students will develop specifications for knitted products, and enhance understanding of industrial products and processes. Additional costs may be incurred for course material/equipment. FTD majors only.

Prerequisite: Grade of C or better in FTD 376  
*Typically offered in Fall only*

**FTD 479 Senior Textile Design Studio** (6 credit hours)

Design and execution of creative projects integrating learning within curriculum, solution of textile design problems through synthesis of knowledge and skills gained through previous courses, preparation of work for portfolio, exhibition and participation in industry focused design competitions. Professional textile design practices and methods including advanced portfolio development concepts and presentation, development of textile collections suited to specified end use with emphasis on ideation, refinement, and design development, presentation and visual communication. The student will be expected to work with design, science, engineering, technology, and management disciplines. Additional costs may be incurred for course materials/equipment. Senior Standing, BS Fashion and Textile Design, Textile Design majors ONLY.

Prerequisite: FTD 374, FTD 475, FTD 476  
*Typically offered in Spring only*

**FTD 498 Senior Fashion Design Studio** (6 credit hours)

Capstone for the FTD Fashion Design concentration. Design and production of a unique fashion collection applying various methods of generating patterns for garments, such as flat pattern design, draping, and CAD techniques. Relationships of body configuration and fabrication to garment design. Emphasis on ideation, creativity, communication, theme development, fit, quality, planning and execution of a fashion collection, as well as a documentary fashion portfolio. Work culminates in a Fashion show or Static exhibition format, which may be physical or virtual in format.

Prerequisite: Grade C or better in FTD419

*Typically offered in Spring only*