Fashion and Textile Management (FTM)

FTM 217 The Textile Industry (3 credit hours)
Study of the structure and organization of the integrated textile complex and its strategic functions. Critical stages involved in the manufacture of textile and apparel products. Fundamental aspects of cost management and finance as related to the integrated Textile Complex. One Saturday attendance during the semester is required.

Prerequisite: TT 105
Typically offered in Fall and Spring

FTM 219 Fashion Product Analysis (3 credit hours)
Concepts and practices for the production and evaluation of fashion goods, beginning with selection of fabric and other raw materials and extending through quality analysis of the final product. Provide techniques for creating a variety of garment or sewn product applications, as well as methods for evaluation.

Prerequisite: TATM Student; Corequisite: FTM 217
Typically offered in Fall and Spring

FTM 220 Principles of Retailing and Supply Chain Management in Textiles (3 credit hours)
Introduction to theories and principles in fashion and textiles retailing and supply chain management including: the framework of textile retailing, textile retail strategies, textile supply chains and investigation of the strategic planning process. Emphasis placed on conducting an environmental scan, identifying and targeting the consumer, analyzing the trade area, site selection and textile product merchandise planning.

Prerequisite: FTM 217
Typically offered in Fall, Spring, and Summer

FTM 271 Computer-Aided Textile Design (3 credit hours)
Introduction to the operation of design software for woven, knitted and printed textiles. Adobe Photoshop, Pointcarre' and Monarch programs will be taught. Peripheral equipment essential to the design process will be included. Field trips to areatextile design centers. Credit not allowed for students enrolled in TT curriculum with the exception of the dual degree in the Bachelor of Art and Design and BS in Textile Technology.

Typically offered in Fall and Spring

FTM 282 Marketing and Brand Management Fundamentals in Textiles and Apparel (3 credit hours)
An introduction to the essential elements of brand management and marketing with specific reference to the marketing of textile and apparel goods with the integrated textile complex (from fiber to retail). The course covers both the principles and practice of marketing, in general, and provides an introduction of major concepts of brand management and marketing with a focus on branding activities used in by major textile and apparel firms within the integrated textile supply chain.

Prerequisite: FTM 217
Typically offered in Fall and Spring

FTM 310 Entrepreneurship & New Product Development in Textiles (3 credit hours)
Academic dimensions of the entrepreneurship body of knowledge. Integration of new product development (NPD) process and entrepreneurship in textiles. Critical thinking skills for the textile entrepreneurial mindset. Teams exercise entrepreneurial skills to develop innovative textile products. Write a business plan to take the textile product to market. Multidisciplinary and experiential learning environment is cultivated through in-class activities and online collaboration.

Prerequisite: Junior standing
Typically offered in Fall and Spring

FTM 315 Fashion Product Design (3 credit hours)
Concepts and practices for the design and development of fashion apparel items, beginning with selection of fabric and other raw materials and extending through flat pattern development, pattern engineering, and generation of final garments. Provide techniques for development of styled patterns, which address issues of body measurements, body shape, comfort and fit.

Prerequisite: FTM 217 and FTM 219; Corequisite: FTM 271
Typically offered in Fall and Spring

FTM 317 Computer-Aided-Design for Apparel (3 credit hours)
Introduction to the operation of industry design software for apparel & other sewn products. Euphoria and/or Artworks visual design programs, Gerber Accumark or Lectra pattern design programs, and other programs used by the industry to create, market and/or visualize products will be taught. Peripheral equipment essential to the design process will be included.

Prerequisite: FTD 215 or Corequisite: FTM 315
Typically offered in Fall and Spring

FTM 318 Fashion Development Processes (3 credit hours)
The principles of apparel manufacturing including computerization of the design; marker making and production areas; spreading and cutting technology; apparel assembly systems; production systems evaluations; fusing and pressing; production capacity; and quality evaluations.

Prerequisite: FTM 317
Typically offered in Fall and Spring

FTM 320 Retail Merchandising in Fashion and Textiles (3 credit hours)
An in-depth study of textile product merchandising and its functions, focusing on a comprehensive approach to textile product merchandising that links manufacturing and retailing to the consumer through the merchandising process. Textile merchandising as a process is studied in newly restructured consumer-centric businesses and textile product strategy needed for employees to function successfully in today's global, integrated world of merchandising.

Prerequisite: FTM 220
Typically offered in Fall only

FTM 380/TT 380 Management and Control of Textile and Apparel Systems (3 credit hours)
Management approaches, practices and basic economic considerations in the development, production and distribution of industrial and consumer textile and apparel products.

Prerequisite: FTM 217
Typically offered in Fall only

FTM 382 Brand Management in Textiles and Apparel (3 credit hours)
This course builds on the introduction of the basic concepts introduced in FTM 282 by providing an in-depth examination of the major theories and concepts associated with brand management and brand marketing. Included is the identification and analysis of major strategic tools used for brand management and marketing activities by firms across the integrated textile complex. Students will be assigned practical application projects that require utilization of academic knowledge with industry application.

Prerequisite: FTM 282 and (EC 201 or ARE 201)
Typically offered in Fall and Spring

FTM 384 Visual Merchandising Principles and Management (3 credit hours)
Study and application of techniques in the effective display of merchandise, from fiber to finished product. The focus of the course placed on the integration of textile and apparel product characteristics, target market characteristics and the latest merchandising technology and concepts.

Prerequisite: FTM 282
Typically offered in Spring only

FTM 385 Fashion and the Consumer (3 credit hours)
This course focuses on consumer decision process for textile products, including the study of environmental, individual, psychological and marketing influences on behavior of consumers in the textile consumption process. Further examination will include influences on the process, including fashion theories, the mass media, demographics and psychographics, and societal trends. Current development and research in the textile consumer decision process are reviewed.

Prerequisite: FTM 217, FTM 282
Typically offered in Fall, Spring, and Summer

FTM 387 Textile Brand Communications & Promotions (3 credit hours)
Examines the utilization of textile brand marketing communication and promotion tools to build, maintain or expand a brand's value in the textile complex marketplace. Includes examination of principles and theories for Integrated Brand Marketing (IBMC) and how these strategies and tactics are used within the textile complex advance brand positioning. Knowledge of IBMC will be demonstrated via case studies, examination and textile industry-related application projects. FTM Majors Only

Prerequisite: FTM 385
Typically offered in Fall and Spring

FTM 400 Major Fashion Designers (3 credit hours)
Study of fashion designers from the early 1800s to the present. Emphasis will be placed on historical and cultural events that may have influenced the work of fashion designers during the time and trends that have emerged. Of specific interest will be major historical and current fashion designers that have had an international influence on US fashion merchandise. An additional focus of the course will be on the career path of major fashion designers. A study of haute couture and pret-a-porter will be conducted to provide insight into special management issues.

GEP Visual and Performing Arts
Typically offered in Fall and Spring

FTM 408 Sustainability in Fashion, Textiles and Retail (3 credit hours)
Emphasis on the evaluation and discussion of current sustainability literature and sustainable practice of apparel, textiles, and related products and services through people, processes, and the environment. Discussion of both practical and conceptual issues are included.

P: FTM 217, TMS 211 or equivalent, Junior Standing
Typically offered in Fall and Spring

FTM 415 Fashion Product Development (3 credit hours)
Fashion product development for specific target markets. Line production using various methods of generating patterns for mass-produced apparel with emphasis on "flat pattern" design techniques. Relationship of body configuration to pattern shape, specifications to garment size and fit, standards for judging fit, distinctions between ease and style fullness, and design analysis procedures are included.

Prerequisite: FTM 318
Typically offered in Fall and Spring

FTM 416 The Fashion Industry (3 credit hours)
Planning and sourcing of fashion apparel products to meet the needs of the consumer. Emphasis is placed on the role of the merchandiser and merchandising function together with the measures of performance required by the fashion businesses. The interactions of the merchandiser with the functions of marketing, design, development and sourcing during pre-production are studied with respect to successful sourcing. Sourcing is studied from the requirements of compliance, product quality, cost, and manufacturing capability.

Prerequisite: FTM220, FTM282, and Senior standing
Typically offered in Fall and Spring

FTM 420 Retail Buying in Fashion and Textiles (3 credit hours)
Overview and analysis of the components of buying and selling products at he retail level. Management of profit factors to improve performance in textile merchandising driven organizations. Analysis of the practices, procedures and systems that track textile merchandising decisions and aid in meeting profit goals. The course consists of an integrated framework that applies merchandising theory and mathematical processes to textile retail problems.

Prerequisite: FTM 220 and FTM 282 and Junior Standing
Typically offered in Fall and Spring

FTM 431 Quality Management and Control In Textile Manufacturing (3 credit hours)
Principles of quality and process management and control in textile/apparel manufacturing with emphases in quality management systems, quality costs, statistical control chart procedures, process capability, acceptance sampling, and optimal process and product design and improvement methods.

Prerequisite: TT 221, TT 252, TT 331, and ST 361 or BUS 350

FTM 460 Textile Market Research (3 credit hours)
Data from textile and apparel industry firms are utilized to explore the role of marketing research in managerial decision-making within the textile and apparel industry, and allow students to develop basic skills in the market research process (problem identification to final reporting). Topics included are problem formulation, research design, data collection (instruments and sampling), and data analysis techniques (qualitative and quantitative).

Prerequisite: FTM 385 and ST 311
Typically offered in Fall and Spring

FTM 480/TT 480 Operations Management Decisions for Textiles (3 credit hours)
Quantitative techniques for decision making and management in the textile complex. Applications include vendor selection, plant location, retail inventory management, forcasting demand, project management, and logistics planning. Techniques covered include simulation, PERT/CPM, mathematical modeling.

Prerequisite: TT/FTM 380 and ACC 210 and ST 311 or ST 370 and ((MA 131 and 132) or MA 141)
Typically offered in Fall only

FTM 481 Product Costing in the Textile and Apparel Industry (3 credit hours)
Capstone course covering cost issues in yarn manufacturing, fabric formation, finishing, apparel production and retail operations. Traditional and activity-based costing systems will be addressed. Relevance of costing to managerial decisions as well as cost reduction strategies will be emphasized.

Typically offered in Spring and Summer

FTM 482 Global Brand Management in Textiles and Apparel (3 credit hours)
An applied textile marketing course that integrates textile product development, brand management, and global marketing. This course provides an overview of the global textile and apparel industries, their distribution channels and markets---with positioning the US textile, apparel, and retail industries in the global competitive environment. The course includes diverse textile end uses, including apparel, nonwovens, home textiles, transportation textiles and medical textiles. Development and implementation strategies of launching textile products in the global marketplace are analyzed.

Prerequisite: FTM 282 and Junior Standing or higher
Typically offered in Fall and Spring

FTM 483 Global Trade & Sourcing (3 credit hours)
This course provides students with an understanding and appreciation of the global textile and apparel market. Included is the explanation and guidance in understanding the uniqueness of textile and apparel regulations in global trade. Students willlearn global sourcing strategies and the identification and analysis of major strategic decisions used in global sourcing, as impacted by global trade dynamics. Students will be assigned practical application projects that require utilization of academic knowledge with industry application.

Prerequisite: FTM 282 and EC 201 or ARE 201 or EC 205
Typically offered in Fall and Spring

FTM 484 Strategic Planning and Decision Making in the Textile and Fashion Industries (3 credit hours)
The course provides a framework for understanding and analyzing strategic planning and decision making in the textile and apparel supply chain, from fiber through retail. It integrates theory and practice through lectures, case studies, and exercises to provide students an understanding of the competitive dynamics in the textile industry, including structural and behavioral components and the role of entrepreneurship.

Prerequisite:BUS 320 or FTM/TT 380, and TT 221 or equivalent
Typically offered in Fall and Summer

FTM 485/TT 485 Textile Computer Integrated Enterprise (3 credit hours)
Survey of information technology in textile and apparel industries. Topics discussed include: computer aided design (CAD); computer aided manufacturing (CAM); computer aided engineering (CAE); material handling systems; automation and robotics; logistics and warehousing systems; retail product tracking, and Internet resources.

Prerequisite: TT/FTM 380
Typically offered in Fall only

FTM 486/TT 486 Supply Chain Management in the Textile Industry (3 credit hours)
Study of the operations necessary to produce and distribute a product, starting with the procurement of the raw material used in making the goods and ending with the delivery of the finished product. Topics covered include approaches to solving problems in manufacturing, sourcing, transportation logistics, and retail operations within the Integrated Textile Complex. Credit cannot be given for both TAM486 and MT386.

Prerequisite: TT/FTM 380
Typically offered in Spring only

FTM 487 Human Resource Management and Leadership in the Textile and Fashion Industries (3 credit hours)
This course will cover strategic human resource management topics as they apply to the integrated textile industry complex. Principles of situational leadership applicable to the textile and fashion industries will be discussed as well.

Prerequisite: Senior standing
Typically offered in Fall and Spring

FTM 490 Development Projects in Textile and Apparel Management (1-3 credit hours)
Directed research in Textile and Apparel Management through experimental, theoretical and literature studies in textile and apparel-related problems. Courses may be taken twice provided projects are different subject matter.

Prerequisite: Junior standing and 2.75 GPA
Typically offered in Fall and Spring

FTM 491 Special Topics in Textile and Apparel Management (1-4 credit hours)
Special topics related to textile and apparel management.

Prerequisite: Senior standing

FTM 494 International Industrial Internship in Textile Management (3 credit hours)
Professional level work experience in textile management abroad, relating academic training, international textile management and technology to industrial practice under professional guidance. Grading based on written report and oral presentation. Individualized/Independent Study and Research courses require a Course Agreement for Students Enrolled in Non-Standard Courses be completed by the student and faculty member prior to registration by the department.

Prerequisite: At least FL 202 for internships in non-English speaking countries, Minimum GPA 2.5, Junior standing
Typically offered in Fall and Spring

FTM 497 Senior Fashion Collection Studio (6 credit hours)
Advanced fashion product design. Design and production of a "collection" using various methods of generating patterns for garments, such as flat pattern, draping, and CAD techniques. Relationships of body configuration and fabrication to garment design. Emphasis on ideation, creativity, communication, theme development, fit, quality, and exhibition of a fashion collection. Work culminates in a Fashion show or Static exhibition format.

Prerequisite: FTM 318
Typically offered in Fall only

FTM 499 Textile Senior Project (4 credit hours)
This is a project based course to be taken in the last semester of the Senior year. In this capstone course the students work in cross-functional teams to research and solve applied problems in textile related fields. The results of the projects will be presented formally at the end of the semester. Course should be taken in the last semester of the Senior year. It cannot be substituted by other project courses.

Prerequisite: Senior standing