

SCHOOL OF FASHION

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Accessory Design

ACCE 110 Sewing Technology for Accessory Design (5 Credits)

This course introduces students to the industry practices involved in producing accessories. Students also are introduced to decorative ornamentation techniques while applying these techniques to accessory design. Basic patternmaking skills are taught and provide the foundation for future courses in accessory design.

Attributes: Studio Elective Requirement

ACCE 120 Materials and Processes for Accessory Design (5 Credits)

This course introduces students to core materials used in the implementation of accessory design products. By exploring the qualities and properties of traditional materials, students learn the basics of traditional and nontraditional materials. Students explore a variety of techniques related to accessory design with leather, from tanning to production. This course also explores alternative materials used in accessory products such as rubber, synthetics, woods and metals, as well as cements. This course requires experimentation culminating in a final project which explores individualized processes and material manipulation.

Prerequisite(s): ACCE 110.

Attributes: Studio Elective Requirement

ACCE 153 Introduction to Fashion Eyewear Design (5 Credits)

Eyewear serves as an integral component of the fashion industry, blending style, functionality, and innovation to meet the diverse needs and preferences of consumers. In this course, students explore the fusion of fashion and style with technical skills to design stylish and innovative eyewear. Within the context of modern fashion, students develop eyewear designs based on practical issues related to comfort, fit, and functionality while enhancing skills for career opportunities within the fashion, medical, and industrial sectors.

Attributes: Studio Elective Requirement

ACCE 203 Sketching and Rendering for Accessory Design (5 Credits)

This course introduces students to the 2D concepts of accessory design. Students learn sketching, technical drawing skills and rendering as applicable to the accessory design industry. Students develop course portfolios consisting of handbags, footwear, belts, millinery styles, gloves and small leather goods.

Prerequisite(s): (DRAW 200; DRAW 230; FOUN 230 or FOUN 230).

Attributes: Studio Elective Requirement

ACCE 205 Introduction to Fashion Accessory Design (5 Credits)

This course presents an overview of personal and historical antecedents of the visual forms familiar in the contemporary fashion market. Students discuss and analyze the forms within a contemporary, user-centered context and apply various design methodologies and tools in realizing studio projects.

Prerequisite(s): JEWL 120; JEWL 102; MTJW 102; FASH 110; FIBR 160; ACCE 203; SDES 213; IDUS 213; FURN 232 or IDUS 231.

Attributes: Studio Elective Requirement

ACCE 300 Computer-aided Design for Accessory Design (5 Credits)

This course provides the opportunity for students to integrate their accessory design development with computer-aided systems. The emphasis is on innovation and concept design exploration enhanced by computer applications.

Prerequisite(s): ACCE 120 and ACCE 203 and (DIGI 130 or CMPA 110).

Attributes: Studio Elective Requirement

ACCE 362 Handbag Design I: Introduction to Design and Construction (5 Credits)

This course explores the dynamics and principles of handbag design. By understanding historically relevant models, students interpret the design of these accessories within a contemporary context. Sketching, rendering, model-making and concept presentation are stressed and precede finished prototypes.

Prerequisite(s): ACCE 120 and ACCE 205.

Attributes: Studio Elective Requirement

ACCE 363 Innovative Eyewear Design: Advanced Concepts and Industry Practices (5 Credits)

Discover the future of eyewear design by integrating fashion, technology, and sustainability. In this course, students explore ergonomic design, material innovation, digital prototyping, and smart wearable features within eyewear. Through hands-on projects and industry insights, students create market-ready eyewear designs and develop a professional portfolio showcasing innovative concepts and prototypes.

Prerequisite(s): ACCE 300.

Attributes: Studio Elective Requirement

ACCE 364 Footwear Design I: Introduction to Design and Construction (5 Credits)

This course provides an opportunity for students to focus on developing conceptual footwear designs using a variety of material resources. It also provides an opportunity to work in an interdisciplinary environment with students from a range of majors.

Prerequisite(s): ACCE 120 and ACCE 205.

Attributes: Studio Elective Requirement

ACCE 372 Handbag Design II: Advanced Patternmaking and Design Technique (5 Credits)

This course explores the dynamics and principles of advanced handbag design. By understanding historically relevant models, students interpret the design of these accessories within a contemporary context.

Patternmaking, technical sketching, rendering and concept presentation are stressed and precede finished prototypes.

Prerequisite(s): ACCE 362.

Attributes: Studio Elective Requirement

ACCE 373 Functional Design for High-Performance Eyewear (5 Credits)

For athletes and those with active lifestyles, eyewear must withstand rigorous demands to ensure safety and enhance performance. In this course, students explore advanced materials, ergonomic principles, and cutting-edge technologies to create functional, comfortable, and durable eyewear suitable for wear in various sports and extreme activities.

The course bridges creativity with practical application, preparing students to design eyewear that supports vision, safety, and peak athletic performance. Students develop a professional portfolio showcasing innovative performance eyewear concepts and prototypes.

Prerequisite(s): ACCE 363.

Attributes: Studio Elective Requirement

ACCE 374 Footwear Design II: Advanced Patternmaking and Design Technique (5 Credits)

This course explores the dynamics and principles of advanced footwear design. By understanding historically relevant models, students interpret the design of these accessories within a contemporary context.

Patternmaking, technical sketching, rendering and concept presentation are stressed and precede finished prototypes.

Prerequisite(s): ACCE 364.

Attributes: Studio Elective Requirement

ACCE 415 Senior Collection I: Research and Design Development (5 Credits)

This is the first in a three-quarter sequence of courses in which the student focuses on conceptualizing an original 2D collection specializing in accessory design. With a focus on line-building in accessory design, students explore identifying customer profiles, researching major areas of specialization, sources of inspiration and fabrication selection. Students develop portfolio-ready technical sketches, illustrations, flats, storyboards, color storyboards and fabric swatches in preparation for the Senior Collection II course.

Prerequisite(s): ACCE 372 and ACCE 374.

Attributes: Business-focused elective; Studio Elective Requirement

ACCE 420 Senior Collection II: 3D Prototype and Development (5 Credits)

This is the second in a three-quarter sequence of courses in which the student focuses on conceptualizing an original 2D collection specializing in accessory design. Students in this course develop skills necessary to create advanced sample accessories. Emphasis is placed on the production of the first sample prototype through the application of advanced patternmaking techniques. Presentations of final prototypes are critiqued prior to the development of final accessories.

Prerequisite(s): ACCE 415.

Attributes: Studio Elective Requirement

ACCE 422 Accessory Portfolio Presentation (5 Credits)

From sketches and research to completed pieces, the accessory designer's portfolio must emphasize their career goals and specialized skillsets. In this course, students refine their past works, create self-promotional materials and assemble an industry-ready portfolio.

Prerequisite(s): FASH 410; FASH 317; ACCE 415 or FASM 420.

Attributes: Business-focused elective; Studio Elective Requirement

ACCE 430 Senior Collection III: Final Collection (5 Credits)

This is the final in a three-quarter sequence of courses in which the student focuses on conceptualizing an original 2D collection specializing in accessory design. Advanced accessory design students have the opportunity to produce a senior collection of distinctive fashion accessories. Industry-standard construction techniques are applied in the execution of the student's final collection. Portfolio-quality presentation boards support the collection.

Prerequisite(s): ACCE 420.

Attributes: Studio Elective Requirement

ACCE 479 Undergraduate Internship (5 Credits)

Internships offer students valuable opportunities to work in a professional environment and gain firsthand experience to help them prepare for careers. In an approved internship setting, a student typically spends one quarter working with an on-site professional supervisor and a faculty internship supervisor to achieve specific goals and objectives related to the program of study.

ACCE 501 Accessory Design and Development (5 Credits)

This course introduces students to the working relationship between materials, design and 3D products. It is intended to give incoming accessory design students an opportunity to assess and improve their technical ability in both 2D and 3D design.

Attributes: Studio Elective Requirement

ACCE 711 Methodologies in Accessory Design (5 Credits)

This course is designed to evaluate and improve creative and technical development in the processes of materials used in the specialty areas of accessory design. Students explore and experiment with technical and practical construction skills as applied to processes that lay the conceptual groundwork for future design work.

Attributes: Studio Elective Requirement

ACCE 715 Presentation Methods I: Portfolio Development (5 Credits)

This course combines illustration and graphic representation techniques for use in the field of accessory design. By developing 2D skills while working in various media, students examine material culture and marketing strategies.

Attributes: Studio Elective Requirement

ACCE 720 Presentation Methods II: Marketing a Personal Aesthetic (5 Credits)

This course incorporates and builds upon skills and techniques already developed into subject-specific assignments targeted to address the student's portfolio needs. Through the use of professional practices, promotion and marketing skills, students examine and analyze the criteria used by industry professionals to evaluate portfolios.

Prerequisite(s): ACCE 715.

Attributes: Studio Elective Requirement

ACCE 725 Computer-aided Design for Accessories (5 Credits)

This course provides students the opportunity to integrate computer-aided design tools and applications to develop accessory collections and visual presentations. Emphasis is placed on both technical and aesthetic mastery of computer-aided design.

Attributes: Studio Elective Requirement

ACCE 730 Accessory Studio I: Collection Conceptualization (5 Credits)

In this intensive studio course, students realize a theme grounded in thorough research and process. This course is the first phase in designing and producing an accessories collection in which conceptual groundwork is developed and translated into prototypes. Emphasis is placed on the development of technical and creative skills.

Prerequisite(s): ACCE 711.

Attributes: Studio Elective Requirement

ACCE 740 Accessory Studio II: Production Planning and Execution (5 Credits)

This course is the second phase of the graduate studio experience, in which students design and produce a collection in an area of their choice that demonstrates the mastery of both technical and aesthetic skills while maintaining a unique identity as a designer.

Prerequisite(s): ACCE 730.

Attributes: Studio Elective Requirement

ACCE 749 Accessory Design M.A. Final Project (5 Credits)

Master of Arts degree-seeking students in accessory design are required to develop and complete a final project that represents the culmination of the program.

Prerequisite(s): ACCE 730 and minimum score of 5 in 'Graduate Prerequisite Test'.

Attributes: Studio Elective Requirement

ACCE 779F Graduate Field Internship (5 Credits)

Students in this course undertake a field assignment under the supervision of a faculty member.

ACCE 779T Graduate Teaching Internship (5 Credits)

Students in this course undertake a teaching assignment under the supervision of a faculty member.

Fashion

FASH 100 Fashion Technology (5 Credits)

In this studio course, students are introduced to professional standard sewing techniques and apparel construction. Through assignments, the fundamental techniques are applied and explored to study proper garment construction and execution.

Attributes: Studio Elective Requirement

FASH 105 Introduction to Textiles (5 Credits)

This course introduces students to the qualities and properties of fashion fabrics. By investigating the fibers, quality, construction, care and finishing of textiles, students learn the basics of fabric identification and specific uses in the fashion industry. The course requires studio projects and provides demonstrations of basic methods of textile design development, weaving, printing and dyeing.

Attributes: Studio Elective Requirement

FASH 110 Introduction to Fashion Design (5 Credits)

This studio course addresses the basic elements of fashion design. Assignments introduce the design processes of trend and fabric research, storyboarding compiling, color story, design innovation and the 2D to 3D development of creative ideas.

Prerequisite(s): (FOUN 111 or DRAW 100) and (FOUN 112 or DSGN 101).

Attributes: Studio Elective Requirement

FASH 210 Tailoring for Fashion Design (5 Credits)

Tailoring represents a foundational discipline within fashion design, distinguished by its sophisticated construction techniques and structural precision. This course advances students from introductory pattern analysis to the execution of fully realized garments using industry-standard methodology. Through rigorous application of traditional machine and hand-tailoring methods, structured canvas construction, and correctly sequenced assembly, students develop the technical expertise required for professional-grade garment execution.

Prerequisite(s): FASH 100.

Attributes: Studio Elective Requirement

FASH 216 Pattern Development (5 Credits)

This studio course focuses on advanced garment construction. It explores the development of basic level apparel styles through the application of pattern drafting principles. Students draft and execute professional standard patterns through flat pattern methods, measurements and rub-off. Students study the full process of garment construction from initial design through prototyping and finishing.

Prerequisite(s): FASH 100 and FASH 110.

Attributes: Studio Elective Requirement

FASH 219 Introduction to Fashion Sketching (5 Credits)

This course introduces fashion sketching techniques to communicate the ideas, concepts and details of garments by visually interpreting fashion apparel, including the body proportions and garment fit used in basic fashion sketching.

Prerequisite(s): FASH 110 and (DRAW 200 or FOUN 230).

Attributes: Studio Elective Requirement

FASH 230 Sustainable Practices for Fashion (5 Credits)

From design materials to manufacturing and distributing processes, the life cycle of a garment must be examined to ensure proper ethically, economically and socially responsible stewardship. In this course, students investigate current sustainable practices and explore new strategies for tempering the fashion industry's impact on the environment.

Attributes: Business-focused elective

FASH 247 History of Fashion (5 Credits)

This course presents a visual history of fashion from ancient Egypt to the present, with particular emphasis on recent history from the mid-19th through the early 21st centuries. Students discuss and analyze historical periods and their influence on contemporary fashion.

Prerequisite(s): (FASH 110 or ACCE 205) and (CTXT 121 or CTXT 122).

FASH 303 The Business of Fashion (5 Credits)

This course is directed toward the commercial and professional elements of fashion. Students are expected to analyze all aspects of merchandising and marketing within fashion and its related industries.

Prerequisite(s): DIGI 130; CMPA 110 or CMPA 100.

Attributes: Business-focused elective; Studio Elective Requirement

FASH 316 Draping Techniques for Fashion (5 Credits)

This studio course focuses on a more advanced approach to garment construction. Students conceptualize complex apparel styles through the study of draping principles and processes.

Prerequisite(s): FASH 216 or FASH 315.

Attributes: Studio Elective Requirement

FASH 319 Advanced Fashion Sketching (5 Credits)

This course introduces a fashion drawing technique to communicate the ideas, moods and details of garments by visually interpreting fashion apparel, including the body proportions used in basic fashion drawing. Drawing techniques integrate the use of croquis and the concept of flat specification. As students create various croquis bodies for individual portfolios, they are expected to develop their own personal style and flat specification drawing skills.

Prerequisite(s): FASH 110 and FASH 219.

Attributes: Studio Elective Requirement

FASH 322 Fashion Illustration (5 Credits)

This course explores many aspects of fashion illustration, from drawing basic fashion figures to producing finished professional illustrations in color. The course addresses fashion illustration from the perspectives of both fashion designers and fashion illustrators and examines the role of fashion illustration in different areas of the fashion industry.

Prerequisite(s): FASH 319 or FASH 220.

Attributes: Studio Elective Requirement

FASH 324 Computer-aided Fashion Design (5 Credits)

This course provides the opportunity for students to integrate their fashion design development with computer-aided systems. The emphasis is on fashion innovation and concept design exploration enhanced by computer applications.

Prerequisite(s): (DIGI 130; CMPA 100 or CMPA 110) and (FASH 319 or FASH 220).

Attributes: Studio Elective Requirement

FASH 333 Knitwear Design for Fashion (5 Credits)

Students are introduced to the processes of creating fully-fashioned knitwear. Assigned projects support the development of a knitwear sample book, and students explore various techniques and processes needed to create finished apparel.

Prerequisite(s): FASH 216 or FASH 315.

Attributes: Studio Elective Requirement

FASH 336 Menswear Design I (5 Credits)

This studio course explores the fashion menswear market. Focus is on trend identification, silhouette and style, portfolio presentation of trend boards and design developments.

Prerequisite(s): FASH 110.

Attributes: Studio Elective Requirement

FASH 351 Styling for Fashion, Entertainment, and Media (5 Credits)

Students in this course learn how to create and analyze styled outfits that communicate ideas, trends, and themes within fashion images. While researching contemporary styling icons, students explore both commercial and personal styling techniques applicable to the industries, fashion, film and television, photography, advertising, and more.

Prerequisite(s): DIGI 130 or CMPA 110.

Attributes: Studio Elective Requirement

FASH 360 Menswear Patternmaking (5 Credits)

This course is for students who are interested in the concept of innovative menswear design. Students gain a clear understanding of the construction and cutting skills that inform the designer while acquiring the skills necessary for the construction of menswear blocks and patterns.

Prerequisite(s): FASH 216 or FASH 315.

Attributes: Studio Elective Requirement

FASH 366 Menswear Design II (5 Credits)

This course is for students who are interested in the concept of innovative design. Students acquire a clear understanding and the necessary experience of generating, developing and realizing a wide variety of creative menswear ideas.

Prerequisite(s): FASH 336 and FASH 360.

Attributes: Studio Elective Requirement

FASH 399 Fashion Design: Concept Development (5 Credits)

This required junior year course prepares students for the rigorous Senior Collection I, II and III series. The course enables students to develop a personal design ideology through exploration, experimentation and problem-solving.

Prerequisite(s): (FASH 319 or FASH 220) and (FASH 324 or FASH 300).

Attributes: Studio Elective Requirement

FASH 410 CAD Patternmaking (5 Credits)

Performing a variety of functions in the organization, storage and retrieval of patterns within a CAD system, students in this course are introduced to and develop skills for the application of current CAD/ CAM technologies for apparel production, including computer-aided design for apparel patternmaking, pattern alterations and made-to-measure patterns.

Prerequisite(s): FASH 316 or FASH 215.

Attributes: Studio Elective Requirement

FASH 414 3D Technology in Fashion Design (5 Credits)

The next generation of designers are key in developing new and efficient methods of production for the fashion industry. This course introduces students to the robust 3D simulation engine that allows designers to organize countless layers of intricate design details and complicated pattern pieces into a sustainable design process. Students utilize complex software to review changes to colors, textures, and finishing details for refinement before fabric finalization.

Prerequisite(s): FASH 410 or FASH 317.

Attributes: Studio Elective Requirement

FASH 417 Creative Draping (5 Credits)

Fabric draping allows designers to push the boundaries of fashion design. Students in this course analyze fabric properties and master the art of draping to create diverse and experimental designs. Students showcase their creativity and proficiency in manipulating fabrics to produce innovative fashion concepts.

Prerequisite(s): FASH 316 or FASH 215.

Attributes: Studio Elective Requirement

FASH 418 Evening Wear (5 Credits)

This course introduces students to the skills and discipline of the specialized area of evening wear. Researching occasions for the different applications of formalwear, students develop a series of designs suitable to tailoring techniques and select fabrics that explore color, texture and pattern. Students conceptualize a collection of suitable evening garments for professional review. Results may range from the traditional to the avant-garde.

Prerequisite(s): FASH 410 or FASH 317.

Attributes: Studio Elective Requirement

FASH 420 Senior Collection I: Research and Design Development (5 Credits)

This is the first in a three-quarter sequence of courses in which the student focuses on conceptualizing an original 2D collection specializing in a major area of design. Students explore identifying customer profiles, researching major areas of specialization, sources of inspiration and fabrication selection. The student develops portfolio-ready technical sketches, illustrations, flats, storyboards, color storyboards and fabric swatches in preparation for the Senior Collection II course.

Prerequisite(s): FASH 399 and (FASH 410 or FASH 317) and minimum score of P in 'Fashion 3.0 for Prerequisite'.

Attributes: Studio Elective Requirement

FASH 422 Fashion Portfolio Presentation (5 Credits)

This course gives students the opportunity to develop a personal portfolio of creative work. Students identify their specified career goals and prepare their portfolios accordingly.

Prerequisite(s): ACCE 415; FASH 420 or FASH 420.

Attributes: Business-focused elective; Studio Elective Requirement

FASH 423 Advanced 3D Technology in Fashion Design (5 Credits)

Students enhance their 3D software skills with the advanced practice of 3D surface technology. Through the exploration of digital processes, new materials and textiles are developed to improve the quality of designs for the future of fashion. Students use critical decision-making techniques to solve fabric challenges and construct finished prototypes.

Prerequisite(s): FASH 414.

Attributes: Studio Elective Requirement

FASH 425 Menswear Design: Concepts and Practices (5 Credits)

Leveraging an expansive and evolving menswear market, students learn to generate an array of concepts to support an original menswear collection. Students develop portfolio-ready technical sketches, illustrations, flats, storyboards, and fabric swatches. Researching customer profiles and fashion trends, students construct a professional presentation that articulates their design direction and process for a modern fashion menswear market.

Prerequisite(s): FASH 360.

Attributes: Studio Elective Requirement

FASH 426 Advanced Menswear Design: Capsule Development and Realization (5 Credits)

Fashion-forward menswear requires innovative creativity and a memorable brand identity to thrive in the marketplace. In this course, students hone their drafting and draping skillsets as they translate 2D menswear designs into runway-ready garments. Students gain fluency in the brand identity, promotion, and marketing techniques that illuminate their inventions.

Prerequisite(s): FASH 425.

Attributes: Business-focused elective; Studio Elective Requirement

FASH 427 Exploration of Denimwear Design (5 Credits)

With the successful unification of history and sustainability, denimwear has evolved with style. In this course, students explore contemporary denim production as they learn its cultural significance and understand how to navigate technologies and manufacturing process that create ethical, eco-friendly fashions. Students design their own collection alongside entrepreneurial approaches that promote their vision.

Prerequisite(s): FASH 216 or FASH 315.

Attributes: Business-focused elective; Studio Elective Requirement

FASH 428 Denimwear Design: Product Development (5 Credits)

In this course, students explore all aspects of denim product development, from conceptualization to fabrication to presentation. Students extensively research the industry as they produce ethical denim designs that meet customer needs and sustainability expectations. Students learn how the visual identity and presentation of their denimwear leads to fashion with an impact.

Prerequisite(s): FASH 427.

Attributes: Business-focused elective; Studio Elective Requirement

FASH 430 Senior Collection II: 3D Prototype and Development (5 Credits)

Students in this course develop skills necessary to create advanced sample garments. The emphasis is on the production of the first sample muslin or prototype through the application of advanced draping and pattern drafting techniques. Students work with fit models to learn the various fitting procedures used in the industry. Pattern alterations and manipulations are demonstrated in class to show how alterations are processed and corrected on the paper pattern. Presentation of final muslins is critiqued prior to the development of final garments.

Prerequisite(s): FASH 420.

Attributes: Studio Elective Requirement

FASH 431 Bridal and Eveningwear Design: Exploration and Design (5 Credits)

In this course, students are immersed in the highly specialized, multi-billion dollar bridal and eveningwear industry. Students examine historic and contemporary silhouettes while taking a deep dive into structure, draping, and tailored fits. Students learn how to identify market shifts in order to create design concepts and prototypes that respond with elegant innovation.

Prerequisite(s): FASH 316 or FASH 215.

Attributes: Business-focused elective; Studio Elective Requirement

FASH 432 Bridal and Eveningwear: Advanced Apparel Realization (5 Credits)

Bridal and eveningwear fashion expresses individuality with pomp and flair. Students in this course evolve their techniques to design and transform muslin prototypes into radiant runway looks. Through brand research and analysis, students understand how to identify opportunities for their own creative expansion.

Prerequisite(s): FASH 431.

Attributes: Business-focused elective; Studio Elective Requirement

FASH 433 Machine Knitwear Design for Fashion Industry (5 Credits)

Utilizing specialized techniques and tools, students explore the process of machine knitting for the creation of fully-fashioned knitwear. Students acquire the technical skills needed for developing a body of work that demonstrates an understanding of knitwear fashion and garment construction. Furthermore, students explore the various design potential within the specialism of fashion knitwear through a process of analysis, conceptual realization, sampling, and collection development.

Prerequisite(s): (FASH 216 or FASH 315) and (FASH 333 or FASH 399).

Attributes: Studio Elective Requirement

FASH 434 Advanced Machine Knitwear Design for Fashion Industry (5 Credits)

Utilizing complex industrial machinery, industry-standard construction techniques, and advanced sample garments, students complete a professional body of work from their own constructed knitted fabrics. Incorporating previous knitwear research and design, students execute a final collection evidencing their personal design ideology.

Prerequisite(s): FASH 433.

Attributes: Studio Elective Requirement

FASH 435 Inclusive Fashion Design: Research Exploration (5 Credits)

The future of fashion serves all. In this course, students explore the principles of inclusive fashion design and the responsibility of fashion designers to create with inclusivity in mind. Through evidence-based research, students conceptualize and present an original collection of inclusive fashion designs and functional solutions.

Prerequisite(s): FASH 216 or FASH 315.

Attributes: Business-focused elective; Studio Elective Requirement

FASH 436 Inclusive Fashion Design: Collection Development (5 Credits)

From concept to construction, students design garments with consideration for inclusivity in material, form, and function. Students research and address design challenges, utilize innovative technology, and produce inclusive and adaptive designs. Students thoughtfully develop and successfully communicate their human-centered design solutions that make fashion more accessible and functional for all.

Prerequisite(s): FASH 435.

Attributes: Studio Elective Requirement

FASH 437 Sustainable Fashion Design: Research and Ideation (5 Credits)

Now more than ever, the fashion industry needs qualified leaders to address systemic issues. In this course, students explore issues in product life cycles, sustainable practices, and a circular economy. Examining wasteful resource practices, manufacturing pollution, and unethical treatment of workers throughout the supply chain, students learn how to shift toward ethical and environmentally-responsible practices.

Prerequisite(s): FASH 216 or FASH 315.

Attributes: Studio Elective Requirement

FASH 438 Sustainable Fashion Design: Design Solutions (5 Credits)

Sustainable fashion is necessary to minimize the environmental impact of the industry. In this course, students expand their sustainable strategies, incorporating their research into environmentally-responsible designs. Considering material sourcing, manufacturing techniques, distribution logistics, longevity of use, and responsible disposal, students develop a portfolio of sustainable construction samples.

Prerequisite(s): FASH 437.

Attributes: Studio Elective Requirement

FASH 440 Senior Collection III: Final Collection (5 Credits)

This is the last in a three-course sequence where students produce a final collection in selected fabrics. Industry-standard construction techniques are applied in the execution of the student's final collection. Portfolio-quality presentation boards support the collection.

Prerequisite(s): FASH 430.

Attributes: Studio Elective Requirement

FASH 479 Undergraduate Internship (5 Credits)

Internships offer students valuable opportunities to work in a professional environment and gain firsthand experience to help them prepare for careers. In an approved internship setting, a student typically spends one quarter working with an on-site professional supervisor and a faculty internship supervisor to achieve specific goals and objectives related to the program of study.

FASH 501 Fashion Design and Development (5 Credits)

This course gives incoming graduate students an understanding of the creative process of design development as it relates to the fashion industry, and includes projects focused on ideation, visual research and communication skills, sketching, and design presentation.

Attributes: Studio Elective Requirement

FASH 502 Fashion and Accessory Sketching and Illustration (5 Credits)

This course both explores and evaluates the student's understanding of how sketching is used to communicate ideas, concepts and details of garments and accessories by visual interpretation through drawing and illustration. It includes proportion, fit, technical representation, fabric and surface rendering, and professional portfolio development, as used in the fashion apparel and accessory design industries. Students work in various media and explore communication and drawing techniques.

Attributes: Studio Elective Requirement

FASH 503 Forecasting and Business Trends (5 Credits)

This course is directed towards the global fashion marketplace. Students analyze business practices and market trends. Aspects of marketing and merchandising within the fashion industry are explored.

FASH 504 Fashion Realization (5 Credits)

Based on feedback from departmental faculty, this course is necessary to address the additional need for technically-focused preparation for our incoming graduate students. This additional opportunity to hone skills in apparel realization will enhance the quality of work produced in all successive graduate courses for M.A. and M.F.A. fashion students.

Attributes: Studio Elective Requirement

FASH 710 Fashion Materials and Structures (5 Credits)

This course develops students' investigative approaches to fashion materials, creative processes, and the working relationship between fashion design and related technology. This course provides an opportunity for students to explore and experiment with three-dimensional development and realization techniques to inform their individual design identity.

Attributes: Studio Elective Requirement

FASH 713 Drawing and Illustration for the Fashion Designer (5 Credits)

This course develops students' ability to communicate creative fashion designs in two dimensions. Projects focus on the exploration of media, proportion and line in developing an individual illustrative style that expresses their unique identity as a brand.

Attributes: Studio Elective Requirement

FASH 714 Computer-enhanced Fashion Design (5 Credits)

From digitally simulated fabrics to sophisticated collection presentations, fashion professionals leverage a mastery of digital tools to design and present innovative concepts. In this course, students use a range of industry-specific technology solutions to develop original fashion collections and create engaging visual presentations.

Prerequisite(s): SBIZ 710; BUSI 710 or FASH 713.

Attributes: Studio Elective Requirement

FASH 716 Fashion Studio I: Directed Design Innovation (5 Credits)

From the creation of fashion illustrations and technical drawings to the application of finishing techniques, students cultivate mastery of design ideation, visual communication and realization. Students use an industry brief to research, design and produce an innovative collection for a specific customer profile.

Attributes: Studio Elective Requirement

FASH 724 Multimedia Communication for Fashion (5 Credits)

This course furthers the students' research into visual media through the conceptualization and realization of multimedia presentations. Projects are formatted to encourage the cross-disciplinary exploration of advanced applications, such as drawn media, computer-based techniques, photography and film.

Prerequisite(s): FASH 714 or FASH 721.

Attributes: Studio Elective Requirement

FASH 725 Fashion Studio II: Exploring Multifaceted Design Aesthetics (5 Credits)

Within the context of cross-disciplinary collaborations, students in this course are expected to produce original design work, making a unique and innovative contribution to fashion. Students design and produce a collection in an area of their choice that demonstrates the mastery of both technical and aesthetic skills.

Prerequisite(s): FASH 716.

Attributes: Studio Elective Requirement

FASH 749 Fashion M.A. Final Project (5 Credits)

Fashion M.A. students are required to develop and complete a final project that represents the culmination of their academic program.

Prerequisite(s): FASH 725 and minimum score of 5 in 'Graduate Prerequisite Test'.

Attributes: Studio Elective Requirement

FASH 779F Graduate Field Internship (5 Credits)

Students in this course undertake a field assignment under the supervision of a faculty member.

FASH 779T Graduate Teaching Internship (5 Credits)

Students in this course undertake a teaching assignment under the supervision of a faculty member.

FASH 781 Fashion M.F.A. Thesis I: Research and Ideation (5 Credits)

This course is phase one of the three-step thesis series. Students compile the research necessary to support their thesis concept, and complete a written literature review. This research is then implemented in the development of a final collection concept. In this first phase, students initiate the development of prototypes (muslins) that reflect their material selection and silhouette exploration.

Prerequisite(s): FASH 725.

Attributes: Studio Elective Requirement

FASH 782 Fashion Theory (5 Credits)

This course is an advanced study of the mechanisms that promote fashion change. Topics include color, textile and style forecasting. The course promotes discussion of fashion as a psychological and sociological phenomenon of temporary style preferences. Through methods of consumer research and sales forecasting, students identify and analyze the connection between consumer preferences and product.

Prerequisite(s): ARTH 701.

Attributes: Studio Elective Requirement

FASH 791 Fashion M.F.A. Thesis II: Collection Development (5 Credits)

In this course, phase two of the thesis series, students refine their concepts and articulate their design methodology within an approved final collection. Students finalize their materials and fabrications to begin constructing the collections.

Prerequisite(s): (FASH 781 or FASH 752) and minimum score of 6 in 'Graduate Prerequisite Test'.

FASH 792 Fashion M.F.A. Thesis III: Finalization and Presentation (5 Credits)

This course constitutes the culmination of the students' thesis series. Fashion M.F.A. candidates finalize their thesis collection, present their thesis process, and complete a professional portfolio.

Prerequisite(s): FASH 791 or FASH 773.

Fashion Marketing and Management

FASM 210 Digital Presentation Techniques (5 Credits)

Industry-standard presentation requirements are addressed in a seminar/studio format course. This course prepares students to execute digital presentation techniques required in future courses and prepares students for portfolio development.

Prerequisite(s): DIGI 130 or CMPA 110.

Attributes: Studio Elective Requirement

FASM 215 Fashion Aesthetics and Style (5 Credits)

In this course, students explore the fundamental principles of fashion aesthetics, including theories of dress, aesthetic norms, color, perceptions, body inclusivity, personality expression, and context. Students gain an understanding of the role aesthetics play in the creation of brand identity. Students are introduced to the fundamental principles of marketing and apply these principles for engaging consumers with the aesthetics and identity of fashion brands.

Attributes: Business-focused elective

FASM 220 Fashion Merchandising, Planning, and Control (5 Credits)

Through an understanding of the concepts and calculations necessary for successful merchandising, this course introduces students to the terminology of operating statements, retail method of inventory, planning seasonal purchases, methods of calculating markups, turnover, stock-sales ratios, open-to-buy, markdowns and terms of sale.

Attributes: Business-focused elective

FASM 245 Retail Buying Simulation (5 Credits)

Students analyze the buying function and the differences of buyers' responsibilities in various types of merchandising organizations as a means of studying the principles, procedures and techniques practiced by merchandisers of fashion goods in determining what assortments to buy and which resources to select.

Prerequisite(s): (ENGL 123 or ENGL 193) and FASM 210 and FASM 220.

Attributes: Business-focused elective

FASM 310 Private Label Product Development (5 Credits)

This course introduces the concepts and methods by which retailers and wholesalers create special, store-branded merchandise for targeted customer segments. The process of product development, from research to production to distribution, is studied.

Prerequisite(s): FASM 210 and FASM 245.

Attributes: Business-focused elective

FASM 311 Visual Communication for Consumer Engagement (5 Credits)

This course presents an in-depth look at advanced digital presentation techniques available for fashion marketing and retailing. Students learn strategy, language and tools to create cutting edge consumer experiences across digital and mobile platforms, including video content, digital portfolios and 3D visual retailing. Furthermore, students gain a framework of approaching innovation that enables them to remain competitive in the evolving digital landscape.

Prerequisite(s): FASM 210.

Attributes: Business-focused elective; Studio Elective Requirement

FASM 320 Fragrance Marketing and Management (5 Credits)

While exploring new fragrance product development, merchandising and marketing, students gain insight into the operating strategies at work in the marketplace. Using this knowledge, student teams experiment with core ingredients in hands-on workshops and develop new fragrance trials of their own. Through case studies, students also analyze key competitors and suppliers, as well as the hallmarks of successful fragrance product development and launch.

Prerequisite(s): BREN 200; WRIT 210; FASM 215; PHOT 219; BUSI 265; IDUS 321; ADBR 341; ADVE 341; ADVE 410 or MOME 408.

Attributes: Business-focused elective

FASM 330 New Fragrance Product Launch (5 Credits)

Students create their own fragrance product for launch to the marketplace, including development of product packaging, branding and marketing strategy. Students also learn to assess the financial health of their brand across the selling life of a product and develop strategies for extending its longevity.

Prerequisite(s): FASM 320.

Attributes: Business-focused elective; Studio Elective Requirement

FASM 340 Marketing and Distribution for Footwear (5 Credits)

While exploring product merchandising, marketing, and product launch in the footwear industry, students gain insight into the operating strategies at work in the marketplace. Through case studies, students analyze key competitors and suppliers, as well as the hallmarks of successful footwear product marketing and launches. At the culmination of the course, students create a launch campaign for their own product, including development of packaging, branding, and marketing strategy.

Prerequisite(s): WRIT 210; FASM 245; BUSI 265; ACCE 300; FASH 303; IDUS 321; ADBR 341; ADVE 341; PHOT 400 or MOME 408.

FASM 400 Contemporary Issues in Fashion Merchandising (5 Credits)

This course concentrates on industry issues in retail apparel. Discussions focus on product development, manufacturing, promotion, visual merchandising, special events marketing and the general consumer lifestyle. Students understand contemporary issues in fashion and gain the experience and leadership skills necessary to make merchandising and marketing decisions through both competitive classes and guest speakers' lectures.

Prerequisite(s): FASM 245.

Attributes: Business-focused elective

FASM 410 Retail Management (5 Credits)

This course addresses the principles of personal selling techniques, presentation skills, the art of persuasion, negotiating and account-building in the wholesale markets. These concepts are developed through lectures and workshops. Students also learn the effects of an organization's culture on the management process, including decision-making, planning, structure, leadership and defining control, and how these are viewed from a global perspective.

Prerequisite(s): FASM 245 and BUSI 265.

Attributes: Business-focused elective

FASM 415 Future of Shopping: Retail Innovation for Customer Empowerment (5 Credits)

This course presents a comprehensive overview of the direct marketing industry. Through the use of cases and/or assignments, students learn about strategic merchandising plans. Students are also introduced to the various electronic vehicles currently used in this ever-changing industry. A comprehensive study of the growing Internet business and its dramatic impact on the retail industry is presented.

Prerequisite(s): BUSI 265 and FASM 310.

Attributes: Business-focused elective

FASM 419 Current Trends and Forecasting (5 Credits)

This course focuses on current fashion trends in the international market. Through group discussion and analysis of current videos and published fashion materials, students produce reports on their own observations of the trends and how these trends relate to personal design developments.

Prerequisite(s): FASM 245 or FASH 303.

Attributes: Business-focused elective; Studio Elective Requirement

FASM 420 Global Sourcing and Import Buying for Fashion (5 Credits)

Students in this course analyze important factors in developing import programs, distribution of products, market sources, financing, and aspects associated with apparel and other imported products. The impact of imports on domestic apparel businesses is examined.

Prerequisite(s): BUSI 265 and FASM 310.

Attributes: Business-focused elective

FASM 430 Professional Portfolio Practices (5 Credits)

Current marketplace requirements are addressed in a seminar/studio format course, allowing students to be better prepared to enter the workforce. Projects and discussion topics like formatting of projects, how to pitch an idea, the elevator speech, interview techniques and creation of a physical and digital portfolio are explored in this dynamic course. In addition, students are asked to develop a comprehensive project from concept to client, tapping all areas of the fashion marketing business.

Prerequisite(s): FASM 210; FASM 245; BUSI 265 and FASM 310.

Attributes: Business-focused elective; Studio Elective Requirement

FASM 440 Visual Communication in Fashion (5 Credits)

Current fashion-related topics and industry-standard requirements are addressed in a studio format course, allowing students to be better prepared to enter the workforce. Projects expose students to a variety of visual presentation approaches and techniques, developing important skills sets that allow students to pitch ideas through the use of visuals in a more effective manner. This course prepares students to produce portfolio potential projects.

Prerequisite(s): FASM 210; BUSI 265; FASM 310 and FASM 400.

Attributes: Business-focused elective; Studio Elective Requirement

FASM 479 Undergraduate Internship (5 Credits)

Internships offer students valuable opportunities to work in a professional environment and gain firsthand experience to help them prepare for careers. In an approved internship setting, a student typically spends one quarter working with an on-site professional supervisor and a faculty internship supervisor to achieve specific goals and objectives related to the program of study.

Fibers

FIBR 102 Introduction to Fibers for Non-majors (5 Credits)

Fibers, an inherently interdisciplinary practice, is grounded in exploration and research of material, process, culture, tradition, sustainability and innovation. Students are exposed to the facilities, equipment and opportunities within the department. A broad overview of surface, structure, and color techniques and applications is explored.

Prerequisite(s): (DRAW 100 or FOUN 111) and (DSGN 100 or FOUN 110).

Attributes: Studio Elective Requirement

FIBR 160 Surface Design: Drawing for Print and Pattern (5 Credits)

Drawing is essential for communicating design ideas and critical to the discipline of fibers. With a focus on drawing and composition skills, students in this course investigate strategies for print and pattern creation. Through experimentation and critique, they examine the diverse techniques, materials and applications used for surface design development.

Prerequisite(s): (DSGN 100 or FOUN 110) and (DRAW 101 or FOUN 220).

Attributes: Studio Elective Requirement

FIBR 170 Textile Structures: Material, Form, and Function (5 Credits)

In this fibers laboratory, students experiment with textile structures and processes as they learn to source and combine a wide range of materials. With a focus on sustainability, technological innovation and material development, students investigate contemporary studio and industry practices and explore methods for research, ideation and problem solving.

Prerequisite(s): (DRAW 101 or FOUN 220) and (DSGN 102 or FOUN 240).

Attributes: Studio Elective Requirement

FIBR 190 Color Lab: Textile Trends and Techniques (5 Credits)

By applying color theory and trend research to color practice in textiles, students explore the technical and aesthetic aspects of dyeing. Drawing from historical and contemporary models, students expand their knowledge of color through sampling and material investigation. Students research color applications in product design, fine art, fashion, interiors and textiles to inform an original surface design collection.

Prerequisite(s): (DRAW 101 or FOUN 220) and (DSGN 101 or FOUN 112) and (FASH 105 or FIBR 160).

Attributes: Studio Elective Requirement

FIBR 201 Woven Structures: Cloth and Context (5 Credits)

From shelter and clothing to ceremony and symbolism, the process of weaving has informed human and technological development throughout history. In this course, students explore weaving traditions and the use of the loom as a tool for innovative design and creative expression. Students gain experience in selecting the proper materials and techniques to create utilitarian textiles and fine art woven structures.

Prerequisite(s): FIBR 170.

Attributes: Studio Elective Requirement

FIBR 205 Fibers Studio: Sewing Technology for Fibers (5 Credits)

Students strengthen their technical skills and build toward creative careers in this course dedicated to sewing for fibers. By working with a sewing machine, students develop textiles into professionally finished pieces and learn vital stitching and structural techniques. The end result is a highly marketable skill set, applicable to both fine art and functional objects.

Prerequisite(s): FASH 100; ACCE 110 or FIBR 170.

Attributes: Studio Elective Requirement

FIBR 221 Survey of Textiles: Origins and Evolution (5 Credits)

From the Neolithic period to the present day, fibers and cloth have been essential to the evolution of humankind. In this course, students take a journey through various cultures, learning how textile has shaped economies, empires, spirituality and everyday life.

Prerequisite(s): (CTXT 121 or ARTH 100) and (CTXT 122 or ARTH 110) and FIBR 160 and FIBR 170.

FIBR 276 Digital Surface Design: Image, Pattern, and Presentation (5 Credits)

Through integration of hand and digital technologies, students experiment with color, imagery and pattern to develop surface design solutions for fine art and industry. Students develop proficiency with a variety of digital applications as they design, produce and present a collection to showcase their concepts and creative processes.

Prerequisite(s): (DIGI 130 or CMPA 110) and FIBR 160.

Attributes: Studio Elective Requirement

FIBR 312 Surface Design: Screen Printing for Textiles (5 Credits)

From custom-printed wallpaper to industrially-printed fabric, screen printing is an essential tool for textile designers. This course introduces students to materials and methods for developing proficiency and confidence in screen printing, as well as an understanding of industry requirements and opportunities. Students explore color, texture, composition and pattern as they learn to prepare screens, make color separations and print on a variety of substrates.

Prerequisite(s): FIBR 276.

Attributes: Studio Elective Requirement

FIBR 315 Complex Woven Structures: Dobby Technology (5 Credits)

Digital dobby weaving allows designers and artists to create complex, multilayered fabrics for a variety of applications. Using specialized software and dobby looms with a digital interface, students explore woven structures and innovative uses of material to design and weave multiple-harness fabrics for fashion, interiors, studio production and fine art.

Prerequisite(s): FIBR 201 and FIBR 276.

Attributes: Studio Elective Requirement

FIBR 318 Digital Surface Design: Print and Pattern Development (5 Credits)

Surface designers create patterns that transform objects and environments. With diverse applications in fields such as fashion, interiors, product design and architecture, students learn to integrate a variety of imaging technology to produce surface designs of distinctive character and technical expertise. Industry standards are applied to all phases of the design process, from contextual research to pattern and color development to fabric production.

Prerequisite(s): FIBR 276.

Attributes: Studio Elective Requirement

FIBR 319 Textile Futures: Digital Applications for Kinematic Structures (5 Credits)

Digital 3D technologies empower textile designers to envision and create the impossible. From laser cutting to 3D printing, students use technologies to transform materials and develop innovative, kinetic designs. Equipped with an understanding of industry parameters, students navigate the complexities of outsourcing to communicate project specifications.

Prerequisite(s): VSFX 210; VFX 210; ITGM 236; ITGM 240; ANIM 249; ANIM 250; FIBR 276 or MOME 401.

Attributes: Studio Elective Requirement

FIBR 321 Weaving II: Exploration of Color and Process in Woven Structures (5 Credits)

This course provides an intermediate-level study of the loom as a design tool. Particular emphasis is placed on loom-controlled weave structures; weave drafting; and manipulation of warp, weft and woven fabric through dyeing and other weaver-controlled methods.

Prerequisite(s): FIBR 190 and FIBR 201.

Attributes: Studio Elective Requirement

FIBR 334 Local Cloth, Local Color (5 Credits)

This course focuses on the investigation of local resources to examine textiles, processes, environment and media of the area. Students incorporate digital photography, drawings and textile sampling to create a “touch book” to record the local experience that is unique to the regions explored and visited and to develop a personal point of view. Students develop a body of work for critique based on that point of view. Repeatable. Student may take course up to three times for credit.

Prerequisite(s): FIBR 170 and FIBR 190.

Attributes: Studio Elective Requirement

FIBR 337 Business Practices for Fibers (5 Credits)

Professional and business opportunities in fibers range from print, woven and knit design for fashion and interiors to large-scale installations and small-scale bespoke production lines. In this course, students prepare for professional careers through contextual research, industry analysis, business proposals, financial considerations and best practices within the field of fibers.

Prerequisite(s): FIBR 315; FIBR 318; FIBR 319 or FIBR 419.

Attributes: Business-focused elective

FIBR 340 Natural Dyes and Dyeing (5 Credits)

This course investigates the use of various natural dyestuffs, mordants and materials through the immersion and direct application processes. Research of the traditional, historic uses of natural dyes and contemporary practice within a design, fine art and studio production context also are covered.

Prerequisite(s): (DSGN 101 or FOUN 112) and FIBR 190.

Attributes: Studio Elective Requirement

FIBR 342 Embellished Surfaces: Bespoke Embroidery to Thermoformed Fabric (5 Credits)

From ceremonial vestments to responsive textiles, complex embellished surfaces permeate a variety of historical and contemporary contexts. In this course, students refine textile surface and structure processes to build integrated surfaces for fine art, fashion and commercial applications. Students produce a cohesive swatch collection that integrates hand and machine embroidery, digital printing and thermoforming techniques.

Prerequisite(s): FIBR 312; FIBR 315; FIBR 318; FIBR 319 or FIBR 419.

Attributes: Studio Elective Requirement

FIBR 345 Studio Production (5 Credits)

This course explores the design and production of a line of handmade objects. The course covers fabrication techniques and efficient methods of producing multiples. Many facets of promoting and marketing the work are investigated, including developing product identity, targeting a market and locating optimum sales venues.

Prerequisite(s): FIBR 170 and FIBR 190 and (FIBR 315; FIBR 318; FIBR 319; FIBR 419 or FIBR 495L).

Attributes: Business-focused elective; Studio Elective Requirement

FIBR 350 Embroidered Opulence: From Conceptual to Couture (5 Credits)

Through examination and experimentation with historical and contemporary embellishments, students in this course discover the relevance and possibilities of fine hand embroidery. From fashion and interiors to studio production and fine art, students research, design and execute a collection of samples and finished work for a variety of applications and industries.

Prerequisite(s): ACCE 205; FASH 215; JEWL 225; MTJW 225 or FIBR 276.

Attributes: Studio Elective Requirement

FIBR 405 Machine Knitting for Art and Industry (5 Credits)

Starting with a single loop, knitting has the capacity to generate an infinite range of possibilities for artists and designers, from fine art installation to functional objects to garment construction. In this course, students learn mechanized knitting techniques that allow them to create advanced applications in terms of scale, structure and efficiency. Research into the history and evolution of knitting and its role in contemporary culture inspires the use of unique structures and alternative materials.

Prerequisite(s): FIBR 170.

Attributes: Studio Elective Requirement

FIBR 410 Structures, Materials, and Techniques: Applied Processes and Contextual Investigations (5 Credits)

This course expands on the ideas and techniques gained in previous structure courses. Students pursue in-depth explorations of a particular fibers process and/or application, allowing them to develop more technically and conceptually refined work.

Prerequisite(s): FIBR 315; FIBR 318; FIBR 319; FIBR 419 or FIBR 495L.

Attributes: Studio Elective Requirement

FIBR 412 Surface Design: Screen Printing for Fashion, Interiors, and Fine Art (5 Credits)

In the era of fast fashion and quick consumption, the process of screen printing by hand provides a rich, luxurious, tactile alternative to mass-production printing. The nuances of multi-layered large-scale printing and the diversity of materials explored help students hone and define their aesthetic and technical skills. Students complete projects that explore custom and commercial applications for screen printing in fashion, interiors and fine art.

Prerequisite(s): FIBR 312.

Attributes: Studio Elective Requirement

FIBR 415 Complex Woven Structures: Jacquard Technology (5 Credits)

Digital Jacquard technology translates pixels on a screen into complex woven cloth. From connected textiles to stylish fashion fabrics to richly patterned upholstery, students use industry-specific technology to create woven structures for a variety of professional and studio applications.

Prerequisite(s): FIBR 201 and FIBR 276.

Attributes: Studio Elective Requirement

FIBR 416 Digital Surface Printing: Material and Image Innovation (5 Credits)

Digital printing has revolutionized the surface design industry, creating a multitude of new possibilities for designers and artists. In this course, students print on a variety of substrates such as textiles, wood, metal and plastics for fine art, fashion and industry applications. By working hands-on with digital printers to produce their designs, students explore the concepts and opportunities made available by this game-changing technology.

Prerequisite(s): FIBR 190 and (FIBR 276; FASH 324; FASH 300 or ILLU 386).

Attributes: Studio Elective Requirement

FIBR 418 Digital Surface Design: Collection Development for Interiors and Fashion (5 Credits)

The surface design industry presents a wide range of opportunities in the fields of interiors and fashion. In this course, students advance their knowledge of trend forecasting, theme development, repeat pattern composition, color and style to build an industry-specific collection.

Prerequisite(s): FIBR 318; FASH 324; FASH 300 or ILLU 386.

Attributes: Studio Elective Requirement

FIBR 440 Fibers Senior Studio I: Research and Concept Development (5 Credits)

Contemporary fiber practice fuses conceptual exploration with materiality to present a distinct, creative voice. Through reflection and synthesis of cumulative knowledge, students work collaboratively to cultivate and strengthen their unique point of view. Students engage in an iterative process of research, writing, discussion, drawing, sampling and critique as they create personal projects.

Prerequisite(s): FIBR 201 and (FIBR 221 or FIBR 306) and (FIBR 315; FIBR 318; FIBR 319 or FIBR 419).

Attributes: Studio Elective Requirement

FIBR 448 Fibers for Hospitality Markets (5 Credits)

From five-star restaurants to luxury hotels, yachts and spas, the hospitality industry presents a wide range of opportunities for textile and surface designers. In this course, students research technical considerations, such as performance characteristics and testing, to develop collections and products for hospitality interiors, including designs for wallcoverings, flooring and upholstery.

Prerequisite(s): FIBR 318.

Attributes: Business-focused elective; Studio Elective Requirement

FIBR 450 Fibers Senior Studio II: Innovation and Production (5 Credits)

Following the research and concept development of Fibers Senior Studio I, students effectively communicate their vision and define their practice through production of their individual projects. The body of work they produce informs the development of a thematic and professional portfolio.

Prerequisite(s): FIBR 440 or FIBR 401.

Attributes: Studio Elective Requirement

FIBR 460 Fibers Senior Studio III: Portfolio and Professional Practice (5 Credits)

In this pinnacle course of the fibers program, students refine and curate a unique and cohesive body of work in pursuit of professional goals. Students professionally present their process and final work, which prepares them for successful creative practice.

Prerequisite(s): FIBR 450 or FIBR 403.

Attributes: Studio Elective Requirement

FIBR 479 Undergraduate Internship (5 Credits)

Internships offer students valuable opportunities to work in a professional environment and gain firsthand experience to help them prepare for careers. In an approved internship setting, a student typically spends one quarter working with an on-site professional supervisor and a faculty internship supervisor to achieve specific goals and objectives related to the program of study.

FIBR 502 Materiality and Meaning in Fibers (5 Credits)

Through a series of workshops, material and process explorations, and independent research, students work on building a foundation to begin a design or studio practice. The course explores ways that artists and designers develop ideas and focuses on strengthening skills in materials and process research, drawing and writing.

Attributes: Studio Elective Requirement

FIBR 704 Fibers Studio I: Discovery (5 Credits)

Through research and exploration within the field of fibers, students identify their professional goals and strategies for achievement. Students critically reflect on their work and the work of peers to begin defining a direction for their studio practice.

Attributes: Studio Elective Requirement

FIBR 707 Fibers Culture and Context (5 Credits)

In this course, students investigate historical, social and cultural contexts in their relationship to contemporary textile practices and their makers. Emphasis is placed on the application of scholarly research to inform thesis and project development.

FIBR 708 Surface Design: Screen Printing I (5 Credits)

A refined understanding of aesthetics and innovation allows textile designers to use screen printing as a viable method to explore new ideas, surfaces and products. In this course, students experiment with screen printing methods, supported by contemporary industry research, in order to further the development of their body of work. Students use hand and digital processes to build motifs that can be extended into registered lengths.

Attributes: Studio Elective Requirement

FIBR 720 Textile Innovation I: 3D Digital Structures (5 Credits)

Through industry-specific software application, students gain the skills to utilize 2D vector-based and 3D modeling programs to develop innovative designs for digital output devices. Students research the relationship between digital tools and textile structures to create innovative 3D textiles and schematic drawings.

Attributes: Studio Elective Requirement

FIBR 724 Digital Surface Design I: Print and Pattern (5 Credits)

From hand to digital, students investigate all phases of the print and pattern design process, including color research and development and pattern creation. Students design and produce repeat patterns for the textile industry from conceptualization to final presentation. Students place special focus on the input methods that relate to their area of concentration.

Attributes: Studio Elective Requirement

FIBR 726 Complex Woven Structures I: Dobby Design (5 Credits)

From intricately patterned fabrics to dimensional, multi-layered woven structures, dobby technology provides many possibilities for creating complex cloth. In this course, students experience the design and production of woven fabrics using specialized software and dobby looms. Students are encouraged to apply their own artistic and design direction in the development of swatch collections and expanded projects.

Attributes: Studio Elective Requirement

FIBR 727 Interworked Structures I: Machine-knitted Textiles (5 Credits)

Through experimentation with innovative structures and alternative materials, students learn machine-knitting techniques and applications for the fields of art and design. In this course, students curate a collection of machine-knit swatches that inform their larger body of work. Students broaden their range of capabilities to translate their personal aesthetic into a more refined materiality.

Attributes: Studio Elective Requirement

FIBR 728 Structural Materials and Processes (5 Credits)

Students explore technical and conceptual issues in the construction of three-dimensional fiber structures. Innovative uses of materials and processes are emphasized. Students are introduced to contemporary and historic three-dimensional fiber forms and analyze the context in which the work was produced.

Attributes: Studio Elective Requirement

FIBR 729 Fibers Studio II: Practice (5 Credits)

Building a studio practice requires dedication, discipline and the desire to develop an artistic vision. Through the development of a studio practice, students further enhance their point of view and begin to build a body of work. Students investigate a range of original media and processes with a focus on developing a research methodology.

Prerequisite(s): FIBR 704.

Attributes: Studio Elective Requirement

FIBR 730 Sourcing the Local: Color and Cloth in Context (5 Credits)

The work of artists and designers is intrinsically influenced by their environment. In this course, students experience captivating regions through the exploration of local resources, creative processes, distinct environments and unique media that make their textiles distinguishable. While immersed in local culture, students document experiences through photography, drawings and textile sampling. The body of work developed demonstrates the student's personal aesthetic, as well as the influences of the region. Repeatable. Student may take course up to three times for credit.

Prerequisite(s): FIBR 704.

Attributes: Studio Elective Requirement

FIBR 731 Textile Innovation II: Surface Manipulation and Embellishment (5 Credits)

From couched thread to micro-controlled wire, historic and contemporary embellished surfaces are the foundation for responsive textiles. In this course, students research, build and catalog innovative materials and techniques for the development of original creations. By synthesizing their research and material exploration, students contextualize their design decisions and create proposals for large-scale works.

Prerequisite(s): FIBR 720.

Attributes: Studio Elective Requirement

FIBR 732 Digital Surface Design II: Global Production (5 Credits)

From customization, to rapid prototyping and reduced waste, digital printing technology has revolutionized the global fibers industry. Students utilize a variety of digital printing tools to produce surface designs on a wide range of substrates including textiles, wood, metal and plastics, for fine art and global industry applications. The process of preparing unique designs for outsourcing is also explored.

Prerequisite(s): FIBR 724.

Attributes: Studio Elective Requirement

FIBR 733 Complex Woven Structures II: Jacquard Design (5 Credits)

From damask to brocade, jacquard technology translates images into woven cloth. Using specially designed software, students explore the technical, functional and aesthetic considerations necessary to design complex jacquard-woven fabrics. Students are encouraged to apply their individual aesthetic to the development of a range of jacquard projects.

Prerequisite(s): (FIBR 724 or FIBR 740A).

Attributes: Studio Elective Requirement

FIBR 737 Interworked Structures II: Industrialized Knitting (5 Credits)

While investigating and expanding upon the properties related to machine-knitted structures, students consider historical and contemporary issues and the cultural implications of knitting on material culture. Through this exploration, students develop a collection of work in their chosen field of interest.

Prerequisite(s): FIBR 727.

Attributes: Studio Elective Requirement

FIBR 738 Critical Perspectives for Fibers (5 Credits)

Students explore ideology related to fibers practice in the contemporary art and design world within the context of current issues, theories and polemics pertinent to the nature of art and mass culture. Students engage in critical discourse to develop a unique point of view related to their individual studio practice.

Prerequisite(s): FIBR 704.

FIBR 744 Advanced Design Studio: CollectDigital Surface Design Studio II: Complex Surface Design for Industry (5 Credits)

From hand processes to digital design, this advanced course further explores an in-depth study in producing textile design collections for industry. Students enhance their knowledge and skills in developing textile designs with a focus on design implementation and contextualizing their work within the current industry. In this course, students use a variety of different software and production methods to create a comprehensive collection of designs to support their individual direction in textiles field.

Prerequisite(s): (FIBR 724 or FIBR 740A).

Attributes: Studio Elective Requirement

FIBR 745 Fibers Studio III: Refinement (5 Credits)

Through making, research and critique, students strengthen their studio practice, refine their ideas and prepare for review. Students clarify the trajectory of their studio work through analysis and self-reflection in order to propose a thesis topic.

Prerequisite(s): FIBR 729 or FIBR 716.

Attributes: Studio Elective Requirement

FIBR 748 Business and Entrepreneurship for Fibers (5 Credits)

Demonstrating professional practices, students identify, discuss and present their fibers work in a business-focused environment. Students develop career-specific, self-promotional materials, apply for funding opportunities, and submit their work to competitions and exhibitions.

Prerequisite(s): FIBR 707.

FIBR 749 Fibers M.A. Final Project (5 Credits)

Essential to their professional preparation in fibers, students focus on the research and development of a design collection or focused project and supporting documentation. This culminating visual and written project demonstrates specialization and mastery fostered through each student's graduate coursework.

Prerequisite(s): minimum score of 5 in 'Graduate Prerequisite Test'.

Attributes: Studio Elective Requirement

FIBR 750 Opulence and Adornment (5 Credits)

From haute couture garments to bioplastic sequins, artists and designers innovate the ancient art of embroidery to find renewed significance. In this course, students develop a collection of technical samples, crafting stitch possibilities for fine art and industry applications. Students engage with contemporary issues aligned with their graduate research to refine skills and applications of fine hand-embroidery techniques.

Prerequisite(s): FIBR 720; FIBR 724; FIBR 726 or FIBR 727.

Attributes: Studio Elective Requirement

FIBR 755 Market Applications: Textile Development for Hospitality Markets (5 Credits)

From floor coverings to decorative textiles, hospitality spaces propose unique design opportunities. In this course, students synthesize knowledge from field research and case studies to create cohesive collections and product ideas for a variety of hospitality sectors. Students consider venue, product, brand, interior design, suppliers and customers in the design of their collections.

Attributes: Business-focused elective; Studio Elective Requirement

FIBR 767 Theory and Practice for Fibers (5 Credits)

Through the process of analyzing their work and synthesizing their ongoing research, students reconcile the ideas underlying their studio practice. In support of their studio work, students advance their research methodology to refine and articulate their unique point of view.

Prerequisite(s): FIBR 738.

FIBR 769 Fibers M.F.A. Thesis I: Research and Innovation (5 Credits)

Comprehensive research is the catalyst to innovation. By conducting contextual research and sustaining their focused studio practice, students solidify a thesis direction and begin to build their thesis body of work. A focus on advancing congruence between ideas and forms is emphasized.

Prerequisite(s): FIBR 745.

Attributes: Studio Elective Requirement

FIBR 775 Fibers M.F.A. Thesis II: Refinement and Implementation (5 Credits)

From resolving a direction to securing a venue, this course prepares students to successfully refine and implement the visual component of their thesis work. Students gain professional experience by publicly presenting their thesis abstracts and visual work.

Prerequisite(s): FIBR 769 or FIBR 772.

Attributes: Studio Elective Requirement

FIBR 779F Graduate Field Internship (5 Credits)

Students in this course undertake a field assignment under the supervision of a faculty member.

FIBR 779T Graduate Teaching Internship (5 Credits)

Students in this course undertake a teaching assignment under the supervision of a faculty member.

FIBR 790 Fibers M.F.A. Thesis III: Documentation and Exhibition (5 Credits)

At the culmination of the program, students demonstrate their mastery of knowledge and skills in the field of fibers. Students develop and exhibit a professional body of work and written thesis that evidences their individual point of view and aesthetic sensibility.

Prerequisite(s): FIBR 775.

Jewelry

JEWL 120 Introduction to Jewelry: Materials and Processes (5 Credits)

Students are introduced to the techniques, materials, and processes that comprise the broad historical and social contexts of jewelry and metalworking. Students explore the proper use of specialized equipment and casting processes through the creation of jewelry and other small-scale objects of adornment.

Attributes: Studio Elective Requirement

JEWL 140 Technical Drawing for Jewelry Design (5 Credits)

In this course, students explore the technical drawing and rendering techniques utilized by jewelry design professionals. With a focus on professional-quality visualizations, students translate their concept into industry standard forms and specifications. Students emphasize perspective view and quick sketching, in both traditional and digital format, as they communicate their designs with accuracy and detail.

Prerequisite(s): DRAW 101 or FOUN 220.

Attributes: Business-focused elective; Studio Elective Requirement

JEWL 220 Jewelry Studio I: Technical Exploration (5 Credits)

In this course, students explore the various techniques of historical and contemporary jewelry fabrication. Students develop confidence in handling materials and equipment, enabling them to create pieces that reflect their personal vision.

Prerequisite(s): JEWL 120; JEWL 102 or MTJW 102.

Attributes: Studio Elective Requirement

JEWL 250 Jewelry Studio II: Production Processes (5 Credits)

With a focus on refined craftsmanship and professional finishing, students explore a variety of jewelry production processes for innovative design and creative expression. Students gain experience with wax carving, light metal casting, stone setting, and mass production methods to design and execute a unique line of jewelry that incorporates alternative materials.

Prerequisite(s): JEWL 220; JEWL 225 or MTJW 225.

Attributes: Studio Elective Requirement

JEWL 280 Adornment, Identity, and the Power of Jewelry (5 Credits)

Jewelry possesses powerful communicative aspects integral to cultural and personal expression. In this course, students explore the evolution of adornment and the symbolic and social significance of jewelry. Students also examine the ways in which materials and techniques influence meaning.

Prerequisite(s): JEWL 120; JEWL 102 or MTJW 102.

JEWL 301 Enameling (5 Credits)

This course introduces the process of enameling on metal. This medium is viewed in its historic context and applied to the individual student's personal focus in jewelry and related metal objects. Students have the opportunity to gain proficiency through studio experience with emphasis placed on contemporary use and interpretation. Topics addressed may include cloisonné, champlevé, plique-à-jour, Limoges, graffiti, use of foils and metal techniques for fabrication as they apply to enamels and enameling.

Prerequisite(s): JEWL 220; JEWL 225 or MTJW 225.

Attributes: Studio Elective Requirement

JEWL 310 Light Metal Casting (5 Credits)

This course introduces lost wax casting and its application to the design and production of jewelry and small art metal forms. Students use a variety of waxes as well as the tools and techniques necessary to develop and execute models for successful casting. Topics include model moldmaking, wax injection and related applications of production processes. Casting, fabrication and design techniques are employed together to achieve unified work.

Prerequisite(s): (SFAS 160; JEWL 245 or MTJW 245) and (JEWL 250; JEWL 255 or MTJW 255).

Attributes: Studio Elective Requirement

JEWL 311 Stone Setting (5 Credits)

This course provides a thorough understanding of the technical principles of stone setting as applicable to jewelry. Students produce examples of commercial variations applied in the contemporary jewelry market. After completing intensive exercises, students execute a completed piece with a stone-set detail.

Prerequisite(s): JEWL 250; JEWL 255 or MTJW 255.

Attributes: Studio Elective Requirement

JEWL 312 Jewelry and Fashion (5 Credits)

This studio course explores jewelry and its role in fashion. Emphasis is placed on jewelry innovation and the exploration of concept design in the fashion jewelry industry. These explorations lead to the development of designs and prototypes for a new collection.

Prerequisite(s): (JEWL 120; JEWL 102 or MTJW 102) and (DIGI 130; CMPA 110; SDES 205; ELDS 205 or ELDS 225) or IDUS 231.

Attributes: Studio Elective Requirement

JEWL 315 Digital Visualization for Industry (5 Credits)

With a focus on professional renderings and schematics, students advance their fundamental technical drawing skills for the creation of jewelry and accessories. Students work towards obtaining certification in digital drawing programs and rendering software through the creation and presentation of industry-standard design proposals.

Prerequisite(s): (JEWL 140; JEWL 235 or MTJW 235) and (JEWL 250; JEWL 255 or MTJW 255).

Attributes: Business-focused elective; Studio Elective Requirement

JEWL 327 Advanced Fabrication (5 Credits)

In this course, students examine traditional and contemporary materials to determine the most effective fabrication processes. Students investigate a variety of advanced fabrication techniques and processes, including anticlastic raising, stone settings, laser welding, and 3D printed mechanisms, culminating in a finished piece for their portfolio.

Prerequisite(s): JEWL 250; JEWL 255 or MTJW 255.

Attributes: Studio Elective Requirement

JEWL 330 Working with Gold and Platinum (5 Credits)

This course explores the unique characteristics of gold and platinum. Development of technical skills and appropriate application to design problems are addressed. Students produce professional-quality work.

Prerequisite(s): (JEWL 250; JEWL 255 or MTJW 255) and (JEWL 340; JEWL 304 or MTJW 304).

Attributes: Studio Elective Requirement

JEWL 335 Chains, Linking Systems, and Mechanisms (5 Credits)

Chains and repeating linking systems are one of the most fundamental aspects of jewelry, maintaining a constant popularity throughout cultures and time periods. In this course, students apply simple linking systems to complex and innovative designs through sample making, ideation and studio practice.

Prerequisite(s): JEWL 250; JEWL 255 or MTJW 255.

Attributes: Studio Elective Requirement

JEWL 340 Rendering for Jewelry Design (5 Credits)

In this course, students enhance their hand-rendering skills to propose design solutions and original jewelry concepts. Through the processes of classical hand rendering, students communicate professional, high-quality jewelry designs that accurately represent a variety of mediums, materials, and surface finishes.

Prerequisite(s): (JEWL 140; JEWL 235 or MTJW 235) and (SFAS 160; JEWL 245 or MTJW 245).

Attributes: Studio Elective Requirement

JEWL 345 Advanced 3D Modeling and Rapid Prototyping (5 Credits)

In this course, students amplify digital design knowledge and skills by working with specialized modeling and rapid prototyping software and processes to build industry-standard models. Students accurately transform their concepts into 3D visualizations to facilitate communication between designer, product manufacturer, and client.

Prerequisite(s): (SFAS 160; JEWL 245 or MTJW 245) and (JEWL 250; JEWL 255 or MTJW 255).

Attributes: Studio Elective Requirement

JEWL 357 Surface Embellishment for Jewelry (5 Credits)

Jewelry designers harness surface embellishment processes to create designs with infinite diversity and visual delight. To elevate and expand their portfolio, students explore historical and contemporary methods for manipulating metal surfaces, integrating alternative materials, and applying electrochemical processes. Students document their work to demonstrate a focused, conscious, and consistent approach to design and reveal the production processes supporting each piece.

Prerequisite(s): JEWL 250; JEWL 255 or MTJW 255.

Attributes: Studio Elective Requirement

JEWL 365 Digital Organic Modeling for Jewelry Design (5 Credits)

Sophisticated digital sculpting tools now allow designers to create highly intricate organic designs without any limitations on their imagination.

This course focuses on the advanced application of digital sculpting and surface painting techniques, with an emphasis on the creation of complex organic models. Students are introduced to the integration of polygon and non-uniform rational basis spline (NURBS) modeling.

Prerequisite(s): SFAS 160; JEWL 245 or MTJW 245.

Attributes: Studio Elective Requirement

JEWL 370 The Business of Jewelry (5 Credits)

Professional business opportunities in jewelry range from fine, costume, and bridge jewelry to entrepreneurial enterprises that span all sectors of the jewelry market. Students prepare to launch their professional careers through contextual research and analysis of industry opportunities, business and financial models, and established best practices that align with their career aspirations.

Prerequisite(s): JEWL 280; JEWL 306 or MTJW 306.

JEWL 375 Collaborative Design Practice (5 Credits)

Design and creativity within the field of jewelry is both an individual and collaborative process. In this course, students integrate individual, creative expression into a variety of collaborative projects. Students focus on creating jewelry designs that respond to industry-standard briefs with emphasis on documenting the creative process professional documentation and presentations.

Prerequisite(s): JEWL 250; JEWL 255 or MTJW 255.

Attributes: Studio Elective Requirement

JEWL 387 Jewelry Innovation Lab (5 Credits)

With an emphasis on pushing conceptual and technical boundaries, students focus on the creation of one-of-a-kind, innovative jewelry designs. Students explore the relationship between body and object as experiment with advanced techniques to merge their structural and aesthetic visions.

Prerequisite(s): JEWL 250; JEWL 255 or MTJW 255.

Attributes: Studio Elective Requirement

JEWL 400 Collection I: Research and Development (5 Credits)

In this course, students engage in a rigorous research and concept development process to identify the focus for their senior collection. Students analyze market and social trends, study historical and contemporary forms, and explore advanced design methodologies to create a proposal that illustrates and articulates their personal vision.

Attributes: Business-focused elective; Studio Elective Requirement

JEWL 411 Haute Couture Jewelry: One of a Kind (5 Credits)

Students explore their personal ideology in regard to beauty, emotion, quality, symbolism, and value as expressed in their one-of-a-kind jewelry designs. High-quality, ethically sourced couture jewelry is in high demand. Through studio practice, students transform practical craftsmanship into a work of art utilizing precious metals and gemstones, while incorporating ethical and environmental considerations. Students focus on the visual, tactile, and decorative characteristics of high-end, haute couture jewelry.

Prerequisite(s): (SFAS 160; JEWL 245 or MTJW 245) and (JEWL 250; JEWL 255 or MTJW 255).

Attributes: Studio Elective Requirement

JEWL 460 Collection II: Design and Production (5 Credits)

In this course, students are guided through the process of designing and producing a professional body of work that culminates in an exhibition. Students incorporate critique and feedback to revise and strengthen the realization of their concepts. While creating this body of work, students develop a written statement that supports and validates their objects.

Prerequisite(s): JEWL 400 or MTJW 400.

Attributes: Studio Elective Requirement

JEWL 479 Undergraduate Internship (5 Credits)

Internships offer students valuable opportunities to work in a professional environment and gain firsthand experience to help them prepare for careers. In an approved internship setting, a student typically spends one quarter working with an on-site professional supervisor and a faculty internship supervisor to achieve specific goals and objectives related to the program of study.

JEWL 490 Collection III: Branding and Promotion (5 Credits)

Students prepare to address the concerns arising in professional venues through a series of discussions, presentations and studio activities. Emphasis is placed on developing strategies for effectively presenting ideas and designs, producing promotional packages and communicating with industry and business partners. Business practices and appropriate promotional strategies appropriate to individual career interests are covered.

Prerequisite(s): JEWL 460 or MTJW 460.

Attributes: Business-focused elective; Studio Elective Requirement

JEWL 502 Contemporary Processes in Studio Practice (5 Credits)

Proficiency in the application of studio process to solve problems and communicate ideas is critical to success in the discipline. Various tools, materials and methods of production and design are covered and applied through projects and assignments to develop effective results. Students investigate, learn and apply fabrication and design strategies with both traditional and alternative materials and processes.

Attributes: Studio Elective Requirement

JEWL 504 Materials Study in Jewelry Practice (5 Credits)

Through research and application of advanced materials and processes, students propose and create original solutions for innovative jewelry design projects. Experimentation with various technologies and materials yields mastery of handcraft techniques and machine-based processes for the production of finished jewelry pieces suitable for commercial or fine art practice.

Attributes: Studio Elective Requirement

JEWL 702 Historical and Critical Perspectives for Jewelry (5 Credits)

In this course, students examine the communicative properties of jewelry as identity across history and culture. As they research and analyze cross-cultural jewelry designs, students explore the connection between historical research and contemporary practice.

Attributes: Studio Elective Requirement

JEWL 707 Organic Metal Fabrication (5 Credits)

Advanced metal fabrication and stone setting skills empower jewelry designers to produce intricate pieces that are expressive and functional. Students research contemporary jewelry artists and designers and conduct their own exploration of a range of advanced techniques, such as organic manipulation of forms and surface embellishments. Technical documentation accompanies studio work to record experimentation with materials and the range of processes applied.

Attributes: Studio Elective Requirement

JEWL 710 Graduate Studio I: Mastery in Techniques (5 Credits)

In this course, students investigate a breadth of creative and specialized jewelry-making techniques. Through mastery of traditional methods, students develop innovative techniques that inform the design and execution of their creative projects. Students engage in a disciplined research process and employ creative problem-solving skills to drive experimentation with materials and techniques, leading to diverse solutions for personal expression.

Attributes: Studio Elective Requirement

JEWL 715 Graduate Studio II: Mastery in Materials (5 Credits)

Through synthesis of research and experimentation with material, technique, and process, students further define their professional identity and design a significant body of thematic work. Students elevate their work by combining emerging technologies and materials to expand various production opportunities.

Prerequisite(s): JEWL 710; JEWL 705 or MTJW 705.

Attributes: Studio Elective Requirement

JEWL 719 Gemstone Setting (5 Credits)

Achieving a secure and visually appealing stone setting is a crucial aspect of jewelry making, allowing designers to produce high-quality creations with a personalized touch. To elevate the beauty and intricacy of their designs, students apply various techniques to securely set gemstones and meet a desired aesthetic. Students analyze market trends and enhance their professional portfolios for career advancement and potential future business growth.

Prerequisite(s): JEWL 710.

Attributes: Studio Elective Requirement

JEWL 725 Graduate Studio III: Concept and Color (5 Credits)

Jewelry designers use color to add dimension and drama to their work. In this course, students analyze color trends and apply a variety of coloration methods to create dynamic color palettes and innovative concepts. Through a systematic design process, students conduct research, produce samples, and document their conceptual approach to build a professional portfolio.

Prerequisite(s): JEWL 715.

Attributes: Studio Elective Requirement

JEWL 727 Digital Sculpting for Jewelry Design (5 Credits)

3D modeling and sculpting applications translate ideas from the imagination into fully realized concepts and prototypes. With an emphasis on the creation of complex organic models, students develop projects that focus on the advanced application of digital sculpting techniques and texture painting. Students also explore the implementation of advanced polygon and non-uniform rational basis spline (NURBS) modeling.

Prerequisite(s): SFAS 720.

Attributes: Studio Elective Requirement

JEWL 730 Objects and Desire (5 Credits)

The world of couture jewelry allows designers the opportunity to create one-of-a-kind pieces to match any desire. In this course, students explore desire as the bridge between objects and meaning. While working with a variety of materials and techniques used in the design of couture jewelry, students will also learn its history, significance, and place in contemporary fashion and art.

Prerequisite(s): JEWL 708 or MTJW 708.

Attributes: Studio Elective Requirement

JEWL 735 Business and Entrepreneurship for Jewelry (5 Credits)

In this course, students learn to navigate business, financial, and regulatory complexities within the professional jewelry industry. Students conduct industry research and analysis to define appropriate strategies for self-promotion that complement their professional vision. This course culminates in the effective presentation of student work.

Prerequisite(s): SFAS 720; JEWL 720 or MTJW 720.

Attributes: Studio Elective Requirement

JEWL 740 Jewelry M.F.A. Thesis I: Research and Context (5 Credits)

By questioning perception and expanding theoretical research, students utilize critical dialogue to contextualize their personal vision. Through readings and analyses of contemporary and historical philosophies, students address current topics in jewelry and metalwork. Students demonstrate understanding of jewelry design through a series of critical responses, a professional paper, and an in-depth presentation.

Prerequisite(s): JEWL 735; JEWL 770 or MTJW 770.

JEWL 747 Graduate Studio IV: Exploration (5 Credits)

In this course, students apply design research methodologies to initiate the planning phase of their thesis body of work. Through experimentation with myriad techniques and materials, students identify their personal strengths, hone their creative vision, and develop a focus for their thesis. Group critiques, analysis, and self-reflection lead students to a series of integrated expressions and the proposal of their thesis topic.

Prerequisite(s): JEWL 735; JEWL 770 or MTJW 770.

Attributes: Studio Elective Requirement

JEWL 749 Jewelry M.A. Final Project (5 Credits)

Through successful completion of the M.A. final project, students demonstrate a refined understanding of creative solutions within the field of jewelry design. With an emphasis on the integration of technical expertise and concept development, students produce and present a cohesive body of work that evidences mastery of the discipline and aligns with their chosen career path.

Prerequisite(s): JEWL 715 and minimum score of 5 in 'Graduate Prerequisite Test'.

Attributes: Studio Elective Requirement

JEWL 750 Jewelry M.F.A. Thesis II: Synthesis and Documentation (5 Credits)

Students conduct in-depth research to contextualize their chosen subject through documentation, professional writing, and interviews. Culminating in a final thesis paper and oral defense, students demonstrate knowledge and proficiency in the world of jewelry practices.

Prerequisite(s): JEWL 740; JEWL 739 or MTJW 739.

Attributes: Studio Elective Requirement

JEWL 757 Graduate Studio V: Innovation (5 Credits)

Research and innovation are key to any design practice. By engaging in contextual review of research, students in this course shape their thesis topic and initiate their thesis body of work. Students identify elements of innovation and map the intersection of research with creative process to define relevant areas of expertise and contribution to the discipline.

Prerequisite(s): JEWL 747; JEWL 755 or MTJW 755.

Attributes: Studio Elective Requirement

JEWL 777 Graduate Studio VI: Resolution (5 Credits)

Continuous analysis leads to refined outcomes and fuels creative research and growth. In this course, students engage in intense analytical discourse of their studio work to refine their investigation and reflect upon new avenues of inquiry. In addition to recording their progress and resolving their thesis goals, students successfully finalize and present the visual component of their thesis.

Prerequisite(s): JEWL 757.

Attributes: Studio Elective Requirement

JEWL 779F Graduate Field Internship (5 Credits)

Students in this course undertake a field assignment under the supervision of a faculty member.

JEWL 779T Graduate Teaching Internship (5 Credits)

Students in this course undertake a teaching assignment under the supervision of a faculty member.

JEWL 790 Jewelry M.F.A. Thesis III: Realization and Presentation (5 Credits)

As the culmination of the M.F.A. program, students create a final thesis collection that is contextualized by research and makes a unique contribution to the discipline. Students showcase their mastery of the discipline through a professional exhibition of original, contemporary work.

Prerequisite(s): JEWL 757 and minimum score of 6 in 'Graduate Prerequisite Test'.

School of Fashion

SFAS 160 Introduction to 3D Modeling and Rapid Prototyping (5 Credits)

In this course, students explore the professional applications of 3D modeling and rapid prototyping software. Students learn to realistically communicate the intricacies of jewelry and other objects of adornment as they accurately translate their digital designs into tangible objects. Students successfully completing this course have the opportunity to earn the Rhinoceros 3D Modeling/Level 1 Certification.

Prerequisite(s): DIGI 130 or CMPA 110.

Attributes: Studio Elective Requirement

SFAS 560 Collaborative Experiences in the School of Fashion (5 Credits)

Students from a variety of disciplines within the School of Fashion work as a team to research, conceptualize and develop creative solutions for current design challenges. Specific projects vary from quarter to quarter. [This course may be taken up to three times for credit.]

Attributes: Business-focused elective; Studio Elective Requirement

SFAS 706 Digital Drawing and Visualization (5 Credits)

Focusing on professional-standard renderings and schematics, students enhance their fundamental and technical drawing skills for use in the visualization and creation of jewelry and accessories. Students advance their proficiency in industry-standard digital drawing software, as they learn to skillfully communicate their designs for manufacture and professional presentations.

Attributes: Studio Elective Requirement

SFAS 720 3D Visualization and Digital Fabrication (5 Credits)

Digital rendering software allows designers to craft realistic models and prototypes, as well as refine final designs for manufacturing and consumer presentation. Using 3D computer-aided design and digital rendering software, students simulate and accurately communicate their jewelry design concepts through 3D solid models and digital rapid prototyping equipment.

Attributes: Studio Elective Requirement

Sneaker Design

SNKR 375 Making Sneakers: Design for Performance (5 Credits)

Sneaker design is rapidly expanding, highly specialized sector of the footwear market that requires knowledge of complex processes, innovative materials, and advanced design principles. Focusing on these requirements, students learn vocabulary, design techniques, and manufacturing processes relevant to current and future needs of the sneaker industry. Through a combination of 2D design projects and 3D physical products, students build a body of work that showcases a wide range of skills specifically targeted to this specialized sector of the market.

Prerequisite(s): (IDUS 209 or IDUS 241) or ACCE 300; FASH 324 or FASH 300.

Attributes: Business-focused elective; Studio Elective Requirement

SNKR 475 Digital Sneaker Design: VR to 3D Prototype (5 Credits)

Virtual reality enables designers to amplify possibilities for innovative sneaker designs while creating more efficient design and manufacture processes. In this course, students approach 3D sneaker design within a virtual environment to elevate their design skills and express ideas in real-time. Students propose creative solutions to generate innovative and adaptive 3D models and improve the overall workflow. At the culmination of the course, students produce portfolios including digital and physical sneaker designs.

Prerequisite(s): SNKR 375 or ACCE 375.

Attributes: Studio Elective Requirement

SNKR 701 Old School/New School: The Rise of Sneaker Culture (5 Credits)

Students are immersed into the electrifying history of sneakers, as they emerge as more than just footwear, but as veritable urban icons and status symbols. In this course, students actively analyze and engage in lively discussions, as they dissect the evolutionary journey of sneakers and their seismic influence on cutting-edge fashion. By contextualizing the interplay between sneakers, subcultures, pop culture, and music, they'll unravel the intricate connections with society and culture. Through this comprehensive exploration, students unveil how sneakers have emerged as commanding symbols, catalyzing cultural shifts.

SNKR 709 Sneaker Lab: Material, Construction, and Prototyping (5 Credits)

Dive hands-first into the sneaker lab where students begin their journey into the artistry and construction of sneakers. Through hands-on experimentation, students master a diverse range of materials, from traditional to cutting-edge, honing their skills in designing and crafting innovative sneakers. Proficiency in pattern making, model construction, and technical flats empowers students to create intricate sneaker prototypes. Experimentation with materials, hardware, and construction techniques fuels creativity, yielding one-of-a-kind designs. This course places a strong emphasis on responsible design practices, culminating in a thoughtfully curated lineup of sample prototypes.

SNKR 723 Sneaker Tech: VR to 3D Prototype (5 Credits)

Step into the future of sneaker design where students harness cutting-edge virtual-reality tools to elevate both the form and function of their sneaker creations. With a keen focus on innovation and sustainability, students fine-tune digital prototypes using advanced 2D and 3D design software. The course culminates in the creation of a professional portfolio that meticulously showcases their mastery of sneaker technology and design. Students are primed to excel in the ever-evolving realm of sneaker innovation and creativity.

Prerequisite(s): SNKR 709.

Attributes: Studio Elective Requirement

SNKR 730 Limited Editions I: Design, Science, and Performance (5 Credits)

To create a must-have limited edition sneaker, students must fuse art and science to generate sneaker designs that raise the bar on style, performance, and functionality. Using market analysis to inform their creations, students ensure alignment with target consumer expectations. Through rigorous research and hands-on experimentation, they conceptualize innovative and responsible sneaker collections that customers perceive as priceless. Students hone their technical proficiency for product development as they bring their LES to life through prototype refinement for small-scale production.

Prerequisite(s): SNKR 701.

Attributes: Studio Elective Requirement

SNKR 735 Factory Fresh: Mass Production Decoded (5 Credits)

Through a reversed design approach, students explore the creation and manufacturing of factory-fresh sneakers on a grand scale, from a production perspective. Students decode the intricacies of production tools and processes with meticulous attention, covering classifications, properties, finishes, and market-specific sneaker applications. Applying a diverse array of techniques, finishes, tools, and machinery, they bring sneaker designs to life for the masses. Problem-solving skills are honed as they progress from prototype to final production, guided by industry-standard communication practices. By course end, students create professional-quality work samples, including patterns, prototypes, and technical packages vital for the mass production of sneakers.

Prerequisite(s): SNKR 723.

Attributes: Studio Elective Requirement

SNKR 740 Limited Editions II: Production, Planning, and Execution (5 Credits)

To create the grail of limited editions, students take their sneaker design skills to the next level. They refine their design proposals, envisioning groundbreaking and responsible sneaker collections, dripping with style, and specially tailored to their precise target markets. Through hands-on experience, they meticulously plan, develop, and bring to life intricate sneaker prototypes, mastering a diverse array of production techniques. Effective communication is key, as students employ industry-standard communication methods like presentation boards, technical drawings, and technical packs to vividly convey their design journey. They gain the ability to articulate their design process contextually, ultimately constructing cohesive and one-of-a-kind portfolios.

Prerequisite(s): SNKR 730.

Attributes: Studio Elective Requirement

SNKR 749 Sneaker Design M.A. Final Project (5 Credits)

In this high-impact final project course, students become true “sneaker maestros”. They articulate every facet of their journey, from initial planning to final presentation, revealing the intricate design choices that shaped their professional sneaker collection. Students integrate diverse media and technical tools to document and showcase their body of work. Their mastery shines as they resolve creative challenges, unveiling their distinct designer identities. The culmination? A comprehensive sneaker line, brimming with market-ready designs for a specific target audience. And they don't stop there; students craft industry-standard portfolios, a testament to their prowess in both traditional and digital design realms.

Prerequisite(s): minimum score of 5 in 'Graduate Prerequisite Test' or SNKR 740.

SNKR 750 The Blueprint: Next Gen Sneaker Design (5 Credits)

In this first drop of the studio series, students unbox the complete design process for large-scale sneaker production. Students are challenged to [Re]Imagine 'Next Generation Sneaker Design,' as they throw out the beaters and develop innovative and responsible design concepts, with a focus on potential commercial success. Through experimentation with technology, material development, sneaker manufacturing techniques, customer analysis, and extensive market research, students create the blueprint for the next sneaker revolution.

Prerequisite(s): SNKR 735 and SNKR 740.

SNKR 765 The Kicks: Prototype and Production (5 Credits)

Students level-up in this second drop of the studio series, where they aim to [Re]Invent sneaker prototyping and production. Students unveil their design concepts, transitioning seamlessly into industrial production. Methodical detailing of their planning, development, and execution of on-feet sneaker prototypes showcases their mastery of diverse production techniques. Comprehensive professional design documentation, including presentation boards and technical drawings, becomes their voice in conveying the intricacies of their kicks for large-scale manufacturing.

Prerequisite(s): SNKR 750.

SNKR 770 Pops, Shocks, and Product Drops: Sneaker Marketing and Merchandising (5 Credits)

To create a shock drop sensation, students unleash their creative genius to craft marketing strategies that fuel the sneaker frenzy. Their mission: amplify the unique qualities of design proposals, igniting unprecedented customer excitement. Armed with innovation, students merge market research, customer segmentation, product positioning, and cutting-edge technologies to create irresistibly compelling marketing hype. This course empowers students to generate visually explosive sneaker marketing and merchandising campaigns showcased in their professional portfolios and presentation boards. It's all about elevating the sneaker game to legendary heights.

Prerequisite(s): SNKR 750.

SNKR 779F Graduate Field Internship (5 Credits)

Students in this course undertake a field assignment under the supervision of a faculty member.

SNKR 779T Graduate Teaching Internship (5 Credits)

Students in this course undertake a teaching assignment under the supervision of a faculty member.

SNKR 790 The Hype: Brand Launch (5 Credits)

In the final, ultimate shock drop of the studio experience, students design marketing strategies that catapult their OG sneaker brands into legendary status. The goal is to [Re]Define Sneaker Hype, channeling and amplifying the essence of their design proposals to create irresistible customer experiences for the launch of their brand. Students meticulously prepare and professionally present comprehensive business plans, showcasing sneaker designs and prototypes infused with groundbreaking design concepts and savvy business strategies. As the course concludes, students release the hype on their innovative and inspiring body of work, ready to become successful entrepreneurs and/or leaders in the sneaker industry.

Prerequisite(s): SNKR 765 and SNKR 770.