The following letter designations have been assigned to courses given in these areas:

AC  Advertising and Marketing Communications
AD  Advertising Design
AF  Fashion Design
AP  Fashion Design-Apparel
AR  Fashion Design-Art
BE  Business Enterprise
BL  Business Law
BT  Business and Technology Studies
CD  Communication Design
CG  Computer Graphics
CH  Chinese
CL  Fashion and Culture of the World
CM  Cosmetics and Fragrance Marketing
DD  Design Studies
DE  Visual Presentation and Exhibition Design
DM  Direct and Interactive Marketing
DP  Draping Techniques
EN  English and Speech
ES  Educational Skills
FA  Fine Arts
FD  Fashion Design—Apparel
FF  Fashion Design—Art
FM  Fashion Merchandising Management
FR  French
FS  Fabric Styling
GD  Graphic Design
HA  History of Art and Civilization
HD  Human Development
HE  Health Education
HP  Home Products Development
IC  Internship Center
ID  Interior Design
IL  Illustration
IN  International Trade
IS  Interdivisional Studies
IT  Italian
JA  Japanese
JD  Jewelry Design
LA  Liberal Arts Divisional Studies
LD  Accessories Design
MA  Mathematics
MG  Production Management: Fashion and Related Industries
MK  Marketing: Fashion and Related Industries
ML  Millinery
MW  Menswear
PE  Physical Education
PH  Photography
PK  Packaging Design
PL  Philosophy
PM  Patternmaking
SC  Science
SD  Surface Design
SP  Spanish
SS  Social Sciences
TD  Textile Design
TL  Ladies’ Tailoring
TS  Textile Science
TT  Textile Technology
TY  Toy Design
VA  Visual Art Management

The college reserves the right to review or amend any course and/or program requirements.
Advertising and Marketing Communications

AC 111 — ADVERTISING AND PROMOTION
For Advertising and Marketing Communications, Fabric Styling, Fashion Merchandising Management, and Textile Development and Marketing students. Concepts, perspectives, and methods for the development and implementation of integrated marketing communications programs for producers, manufacturers, and retailers are analyzed and critiqued.
3 CREDITS

AC 113 — STRATEGIC PLANNING FOR INTEGRATED MARKETING COMMUNICATIONS
Prerequisites: AC 111 and FM 114
Students plan and develop Integrated Marketing Communications strategies in order to achieve specific marketing objectives. Through student agency teamwork, they make strategic decisions based on creative strategy development, competitive and market analysis, and research interpretation.
3 CREDITS

AC 141 — JOURNALISM
Prerequisite: EN 121
Practice the techniques of news-gathering, news-writing, and developing news judgment. News stories, features, editorials, and photojournalism are covered in discussions and workshops. Skills in copyediting and headline-writing are built through student newspaper and off-campus assignments.
3 CREDITS

AC 161 — MULTIMEDIA COMPUTING FOR ADVERTISING AND MARKETING COMMUNICATIONS
Students develop computer skills applicable to the communications industry, including word processing, spreadsheets, networking, presentations, desktop publishing, and internet research. Through hands-on use, they complete such industry-oriented projects as print ads, press releases, and advertising analyses.
2 CREDITS; 4 COMPUTER LABORATORY HOURS PER WEEK

AC 171 — MASS COMMUNICATIONS
Prerequisite: AC 111
Co-requisite (for one-year AAS students): AC 111
Analysis and comparison of issues of mass media and the communications arts as they are used in advertising, marketing, promotion, and the dissemination of public information. Includes an overview of careers available in communications. Students learn communications theory, new electronic media, and their potential applications.
3 CREDITS

AC 201 — INTRODUCTION TO ADVERTISING AND PROMOTION FOR COMMUNICATION DESIGN
Concepts, perspectives, and methods for the development and implementation of Integrated Marketing Communications programs are studied. Emphasizing visually driven advertising and direct marketing campaigns, students analyze how to use the components of marketing communications to help producers, manufacturers, and retailers realize marketing objectives.
2 CREDITS

AC 211 — WORKSHOP IN BUSINESS COMMUNICATIONS
Prerequisites: AC 111 and FM 114
Analysis of skills needed for effective written, spoken, and visual communications. Industry case histories are used to identify and suggest solutions to communications problems. Students’ abilities to observe, listen, speak, and write effectively are evaluated. Emphasis is on the complete business presentation.
3 CREDITS

AC 212 — CREATIVE STRATEGIES I
Prerequisite: AC 111
Students learn to solve marketing and marketing communications problems by developing strategic thinking capabilities.
3 CREDITS

AC 221 — PUBLICITY WORKSHOP
Prerequisites: AC 111 and FM 114
Use of current news, events, and personalities as a basis for writing and evaluating institutional and product publicity releases for news and feature stories. Students plan publicity campaigns and create press kits.
3 CREDITS

AC 222 — SALES PROMOTION
Prerequisite: AC 111
Students plan and develop sales promotion activities in order to achieve specific marketing and communications objectives. Both business-to-business and business-to-consumer sales promotion campaigns are developed.
3 CREDITS

AC 231 — ADVERTISING COPYWRITING
Prerequisites: AC 111 and FM 114, and (for Advertising and Marketing Communications students) AC 212 and (AD 101 or CD 122)
Evaluating, writing, and editing copy for national, trade, and retail advertising and promotion, internal communications, and direct marketing for all market levels. Includes copy-testing techniques and visualization for copy brainstorming.
3 CREDITS

AC 232 — RADIO AND TV COPYWRITING WORKSHOP
Prerequisite: AC 231
Students prepare national/retail broadcast advertisements for products and services.
3 CREDITS

AC 242 — FASHION JOURNALISM WORKSHOP
Prerequisites: AC 111 and AC 141
Development of reporting skills needed for a journalism career in fashion and related fields. Students plan and carry out research; conduct interviews; write and edit fashion news, feature stories, and captions; and work with fashion visual materials. Fashion review assignments provide opportunities to practice photojournalism, feature, and editorial writing.
3 CREDITS

AC 262 — MULTIMEDIA PRESENTATIONS
Prerequisite: (for Advertising and Marketing Communications students) AC 111
The planning and preparation of multimedia presentations utilizing computer and audiovisual techniques. Coursework covers presentations suitable for public relations, shows, demos, conferences, exhibits, special events, dealer aids, and sales books, and examines these presentations’ coordination with advertising and other promotional activities.
3 CREDITS
AC 271 — AUDIENCES AND MEDIA
Prerequisite: AC 111
This course is designed to provide students with an understanding of the role of media planning and buying in advertising. The course reviews such areas as basic measurement tools, and the relationship between marketing and advertising objectives translated into media objectives, strategies, and tactics. Students identify target markets, develop media strategies, and evaluate media alternatives and media-buying approaches.
3 CREDITS

AC 272 — RESEARCH METHODS IN INTEGRATED MARKETING COMMUNICATIONS
Prerequisites: 3 credits of mathematics and AC 161 or (for two-year AAS Advertising and Marketing Communications students) MG 152 or MG 153
This course examines the current methods and techniques used to evaluate the effectiveness of marketing, advertising, and promotion. The information-gathering process uses both secondary research data and primary sources. Students create a marketing research project using a variety of research techniques.
3 CREDITS

AC 291 — CAMPAIGN PLANS AND PRESENTATIONS
Prerequisite: approval of chairperson or instructor
Advertising and Marketing Communications and Communication Design students use acquired marketing and communications skills to solve an actual industry marketing problem by participating in campaign development from inception to presentation.
3 CREDITS

AC 299 — INDEPENDENT STUDY IN ADVERTISING AND MARKETING COMMUNICATIONS
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

AC 311 — INTEGRATED MARKETING COMMUNICATIONS MANAGEMENT
Case study techniques are used to help students develop criteria for evaluating the planning, budgeting, and execution of Integrated Marketing Communications strategies. Emphasis is on management of advertising, public relations, direct marketing, and sales promotions to achieve marketing objectives.
3 CREDITS

AC 321 — PRINCIPLES OF PUBLIC RELATIONS
Prerequisite: AC 221
Examines the principles and processes underlying the programming of public relations as a management function of marketing. Attention is directed to the specific requirements of interacting with various publics. Students work with public opinion research data on industry-derived projects and cases to design, plan, and write proposals for publicity and public relations programs.
3 CREDITS

AC 322 — PUBLICITY/PUBLIC RELATIONS FOR VISUAL ART MANAGEMENT
Designed for Visual Art Management majors, this course examines public relations as a management function in museums. Students study how public relations is used to further museum goals by examining how it relates to exhibitions, fundraising, and retail operations. Working with public opinion research data, students create press kits and public relations programs.
3 CREDITS

AC 341 — MAGAZINE JOURNALISM
Prerequisite: AC 141
Students develop the editorial and marketing skills needed to succeed in today's fast-paced magazine publishing world by creating a magazine prototype directed at a specialized target audience.
3 CREDITS

AC 361 — COMPUTER APPLICATIONS AND INTERACTIVE TECHNOLOGIES FOR MARKETING COMMUNICATIONS
Prerequisite: AC 161 or MG 152 or MG 153
Students improve skills in word processing, spreadsheets, desktop publishing, presentations, and internet research through the use of marketing communications case studies. The use of software applications to solve marketing communications problems is explored, with an emphasis on the creation of public relations communications and advertising executions.
2 CREDITS; 4 HOURS PER WEEK

AC 362 — BROADCAST WORKSHOP
Prerequisite: AC 231
Co-requisite (for one-year AAS students): AC 231
Through workshop activities, students develop professional studio techniques for video, journalism, and communications. Emphasis is placed on audio and video coverage of fashion events, as well as marketing applications. Students work on team assignments in video production. (G6: Arts)
3 CREDITS; 2 LECTURE AND 2 STUDIO HOURS PER WEEK

AC 411 — BRAND MANAGEMENT
Prerequisite: AC 321
Students study the critical elements of brand management—the role of brands and the concept of brand equity—using integrated marketing communications strategies and tactics to build brands. They learn to build brand equity by employing brand elements and leveraging secondary associations through brand extensions, co-branding, and forming strategic alliances with third parties.
3 CREDITS

AC 412 — CREATIVE STRATEGIES
Prerequisite: AC 231
Creative strategies are developed to solve marketing communications problems and build strong brand identities. Students research industry-derived projects and evaluate relevant market factors to create effective strategies.
3 CREDITS

AC 413 — CORPORATE COMMUNICATIONS
Prerequisites: AC 321, EN 321, and SS 342
Students develop the skills necessary to create communications that successfully influence an organization's internal and external publics. The course trains students to identify emerging business trends, interpret annual reports and related business documents, and convey business news in a clear, concise style through a variety of business communication and public relations tools.
3 CREDITS

AC 423 — SPECIAL EVENTS MARKETING PUBLIC RELATIONS
Prerequisite: AC 321
Students learn how to integrate special events into a client's marketing communications program. The strategies, planning, and execution of special events are studied using specific cases. Students work with industry clients to produce an event.
3 CREDITS
Advertising Design

AD 203 — ADVERTISING DESIGN AND LAYOUT
For Photography students. Application of design principles to photographic layout problems, in black and white and color, utilizing the student’s own photographs.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

AD 213 — ADVERTISING DESIGN CONCEPTS
Prerequisites: CD 112, CD 121, and CD 171
Students are presented with design problems in print advertising and television storyboards, and develop techniques for the effective organization of elements in creative problem solving. Personal interpretation and originality are stressed.
3 CREDITS; 6 STUDIO HOURS PER WEEK

AD 296 — ADVERTISING DESIGN WORKSHOP
Uses actual advertising design projects presented by nonprofit clients. Offers client contact, design-production-printing experiences, and the opportunity to acquire professionally produced material for a portfolio.
3 CREDITS; 6 STUDIO HOURS PER WEEK

AD 299 — INDEPENDENT STUDY IN ADVERTISING DESIGN
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

AD 381 — CONCEPT DEVELOPMENT WORKSHOP I
Prerequisite: AD 213
Co-requisite: CD 371
A workshop approach, working individually and in teams to create conceptual copy and art in advertising. Case studies in advertising are examined, and original student concepts are developed. (GB: Arts)
3.5 CREDITS; 1 LECTURE AND 5 STUDIO HOURS PER WEEK

AD 382 — CONCEPT DEVELOPMENT WORKSHOP II
Prerequisite: AD 381
Students produce an outstanding and provocative portfolio and refine their strategic thinking, art direction, copywriting, and execution abilities.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

AD 383 — COMMUNICATIONS PLANNING AND PRINT ADVERTISING
Prerequisite: AD 381
Marketing problems, strategies, and positioning are presented as background to solving advertising problems. The development of concepts for a total campaign in print advertising and promotion, from roughs to highly finished comprehensives, is stressed. (GB: Arts)
3.5 CREDITS; 1 LECTURE AND 5 STUDIO HOURS PER WEEK

AD 442 — TV STUDIO/TV AD CONCEPTS
Prerequisite: AD 382
From concept to broadcast, this course offers students the hands-on experience of making a 30-second television spot.
3.5 CREDITS; 1 LECTURE AND 5 STUDIO HOURS PER WEEK

AD 464 — SENIOR PORTFOLIO DESIGN
Prerequisite: AD 494
Students prepare cohesive portfolios, reflecting their own individual design aesthetics, in preparation for careers in graphic and/or advertising design.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

AD 481 — ART DIRECTION
Prerequisites: AD 383 and CD 372
Development of concept to design of highly finished comprehensives. Role of the art director is considered, including time management, production procedures, and working with photographers, illustrators, and other industry suppliers.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

AD 491 — INTERNSHIP
Prerequisite: AD 494
A 12-week internship in the field, scheduled individually for a minimum of 14 hours per week. Provides follow-up review and assessment of the work experience through instructor/student conferences.
4 CREDITS

AD 494 — SENIOR DESIGN PROJECT RESEARCH
Prerequisites: CD 372 and EN 322
A comprehensive study of the research methodology needed to write a thesis, including collecting and analyzing data.
3 CREDITS
AD 495 — SENIOR DESIGN PROJECT
Prerequisite: AD 494
In an independent study format, analyze, organize, and execute a senior design project resulting from the senior design project research paper completed in the prior semester. Format provides further opportunity to develop personal voice and communicate original visual messages.
3 CREDITS; 6 STUDIO HOURS PER WEEK

AD 496 — ADVANCED ADVERTISING DESIGN WORKSHOP
Prerequisite: CD 372
Uses actual advertising design projects presented by clients. Offers client contact, advanced design-production-printing experience, and the opportunity to acquire professionally produced material for a portfolio.
3 CREDITS; 6 STUDIO HOURS PER WEEK

AD 499 — INDEPENDENT STUDY IN ADVERTISING DESIGN
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

Fashion Design (See also AP, AR, DP, FD, FF, TL)

AF 299 — INDEPENDENT STUDY IN FASHION DESIGN
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

AF 341 — COSTUME DESIGN FOR THE PERFORMING ARTS
Limited to baccalaureate-level students or with approval of department chair. Application of skills to theatrical production design. Through analysis of live theatre, films, and videos, create costume plots and color compositions and learn research techniques, costume painting, and accessory construction.
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

AF 412 — ETHNIC FASHIONS: RESOURCES AND APPLICATIONS
Prerequisites: (AF 111 or FF 221) and (AR 111 or FF 111)
Survey of ethnic fashions from archaic to contemporary periods, encompassing American Indian, Mesoamerican, Asian, African, and European folk cultures. Slides and actual costumes familiarize students with basic shapes, colors, symbols, patterns, and texture in ethnic costume, and serve as inspiration in developing sketches for contemporary fashions.
2.5 CREDITS; 2 LECTURE AND 1 STUDIO HOURS PER WEEK

AP 144 — OUTERWEAR AND PERFORMANCE APPAREL SEWING TECHNIQUES
Prerequisite: AP 141 or AP 143 or DP 111 or FD 131 or MW 141 or TL 111, or approval of program advisor
Produce outerwear garments in a sample-room setting using construction techniques specific to the outerwear and performance apparel market. Special focus is on the use of technically enhanced fabrics and protective design details in the construction of rainwear, urban outerwear, skiswear, and fishing, hiking, and boating apparel.
2.5 CREDITS; 1 LECTURE AND 3 LABORATORY HOURS PER WEEK

AP 211 — APPAREL DESIGN
Prerequisites: (AP 112 or FD 211) and (AP 121 or FD 121)
Develop advanced projects and a mini collection, complete with a log of sketches, comments, specs, and cost sheets, using advanced draping techniques, with an emphasis on design. Introduction to the design of softly-tailored jackets and exploration of the use of striped fabrics.
4 CREDITS; 1 LECTURE AND 6 LABORATORY HOURS PER WEEK

AP 221 — FLAT PATTERN DESIGN
Prerequisite: AP 121 or FD 121
Advanced use of the master pattern. Includes structures for sleeve and body styling, collar designs, and the development of the slack sloper.
2 CREDITS; 1 LECTURE AND 2 LABORATORY HOURS PER WEEK

AP 241 — LEATHER APPAREL DESIGN ROOM TECHNIQUES
Prerequisite: AP 141 or AP 143 or FD 131 or MW 141
Teaches construction, processing, finishing, and decorative techniques for making men’s or women’s leather garments. Learn about the leather apparel industry, resources, and suppliers.
2.5 CREDITS; 1 LECTURE AND 3 LABORATORY HOURS PER WEEK

AP 242 — HAUTE COUTURE SEWING TECHNIQUES
Prerequisite: AP 141 or AP 143 or DP 111 or FD 131 or TD 111, or approval of program advisor
The sewing techniques practiced in the finest haute couture ateliers around the world are introduced and provide the basis for understanding couture. Learn couture techniques in cutting, hand stitching, seam and hem finishes, pocket construction, pressing, and finishing.
2.5 CREDITS; 1 LECTURE AND 3 LABORATORY HOURS PER WEEK
AP 243 — HAUTE COUTURE DECORATIVE TECHNIQUES AND EMBELLISHMENTS  
Prerequisite: AP 242 or approval of chairperson  
Expands knowledge of the couture by exploring various decorative techniques. Learn how to hand 
bead, and apply rocailles, sequins, pearls, and faux gems on different types of fabrics. Create 
embellishments such as flowers and frog closures from fabric and ribbons, hand embroider 
original designs, and learn the arts of quilting, cartridge pleating, and trapunto.  
2.5 CREDITS; 1 LECTURE AND 3 LABORATORY HOURS PER WEEK

AP 244 — HAUTE COUTURE CONSTRUCTION AND TECHNOLOGY  
Prerequisite: AP 242  
Apply couture sewing methodology and construct a skirt and jacket in order to understand the 
fitting process, couture fabric selection, proper cutting procedures, and inner construction 
methods.  
2.5 CREDITS; 1 LECTURE AND 3 LABORATORY HOURS PER WEEK

AP 251 — CURRENT SCENE  
Prerequisites: AP 211 and AP 221  
Co-requisites: AR 251 and (for two-year AAS students) AP 257  
Create designs for the junior market, with attention to trends, production, costing, and resources.  
4 CREDITS; 1 LECTURE AND 6 LABORATORY HOURS PER WEEK

AP 253 — LEATHER APPAREL DESIGN  
Prerequisites: (AP 211 or FD 211) and (AP 221 or FD 221) and AP 241, or (MW 132 or MW 232)  
Study the use of leather, suede, and other animal skins and apply these materials to the design 
principles exclusive to creating men’s and women’s apparel. Develop original designs utilizing 
draping and flat-pattern industrial methods.  
2.5 CREDITS; 1 LECTURE AND 3 LABORATORY HOURS PER WEEK

AP 256 — DESIGN STUDIO  
Prerequisites: (AP 211 or FD 112) and (AP 221 or FD 221), or approval of chairperson  
Co-requisites: AP 257 and (AR 256 or FF 212)  
Development of an original collection of eveningwear for the better-priced, ready-to-wear market.  
4 CREDITS; 1 LECTURE AND 6 LABORATORY HOURS PER WEEK

AP 257 — CONCEPTS IN FASHION PLANNING  
Prerequisites: AP 211 and AP 221  
Co-requisite: (for day program only) AP 251 or AP 256  
Interpret new silhouettes currently showing in the New York, Paris, London, and Rome 
collections into original designs to meet the demands of the U.S. fashion industry’s various 
market segments. Learn to develop collections by draping, keeping in mind appropriate fabrics, 
trimmings, and workmanship. Designer/assistant designer sample room practices are 
incorporated.  
2 CREDITS; 1 LECTURE AND 2 LABORATORY HOURS PER WEEK

AP 261 — CONTEMPORARY TAILORED DESIGN  
Prerequisites: (AP 211 or FD 112) and (AP 221 or FD 221)  
Co-requisites: AR 261 and (for two-year AAS students) AP 262  
Emphasizes coat and suit design. Develop patterns and garments for this highly specialized area.  
4 CREDITS; 1 LECTURE AND 6 LABORATORY HOURS PER WEEK

AP 262 — TAILORING TECHNIQUES  
Prerequisite: AP 143 or FD 131  
Design room practices of making coats and suits. Includes construction, assembly, decorative 
details, and finishes for tailored clothes.  
2 CREDITS; 1 LECTURE AND 2 LABORATORY HOURS PER WEEK

AP 265 — HAND-KNIT DESIGN  
Co-requisite: AP 266  
Preparation for using hand knitting machines to create original ideas for knitted fabrics and 
garments. Emphasizes using various stitch patterns and different textured yarns and colors to 
achieve new fabric textures.  
2 CREDITS; 1 LECTURE AND 2 LABORATORY HOURS PER WEEK

AP 266 — SPORTSWEAR DESIGN  
Prerequisites: (AP 211 or FD 112) and (AP 221 or FD 221)  
Co-requisites: AP 265 and (AR 266 or FF 212)  
Basics of designing separates and casual apparel for the volume production sportswear market. 
Use specialized machinery and learn to develop collections for the extensive sportswear market.  
4 CREDITS; 1 LECTURE AND 6 LABORATORY HOURS PER WEEK

AP 272 — INTIMATE APPAREL: FOUNDATION GARMENT DESIGN  
Prerequisite: AP 143 or FD 131  
Design and development of foundation garments. Techniques are applicable to lingerie, 
swimwear, and sportswear.  
2 CREDITS; 1 LECTURE AND 2 LABORATORY HOURS PER WEEK

AP 275 — HAUTE COUTURE APPAREL DESIGN  
Prerequisites: (AP 211 or FD 211) and AP 241, or (MW 132 or MW 232)  
Apply knowledge of the couture to design, drape, fit, and construct a mini-collection for a 
particular target market. Develop styles and images through fabric sourcing, market research, 
and inspirational research.  
3 CREDITS; 6 LABORATORY HOURS PER WEEK

AP 281 — OUTERWEAR APPAREL DESIGN  
Prerequisites: (AP 211 or FD 112 or DP 212) and AP 243 and AP 244  
Apply principles of the couture to design, drape, fit, and construct a mini-collection for a 
particular target market. Develop styles and images through fabric sourcing, market research, 
and inspirational research.  
3 CREDITS; 6 LABORATORY HOURS PER WEEK

AP 282 — PERFORMANCE APPAREL DESIGN  
Prerequisites: (AP 211 or FD 112 or DP 212) and AP 243 and AP 244  
Apply principles of the couture to design, drape, fit, and construct a mini-collection for a 
particular target market. Develop styles and images through fabric sourcing, market research, 
and inspirational research.  
3 CREDITS; 6 LABORATORY HOURS PER WEEK

AP 322 — APPAREL PRODUCT DATA MANAGEMENT  
Prerequisite: AP 222 or PM 221, or approval of program advisor  
Apply principles of product data management using web-based software. Emphasizes creating 
garment information and specifications at different stages of development, from design to costing 
to manufacture. Execute style packages and line plans for sample development.  
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK
AR 011 — PERCEPTIONS IN CREATIVITY
Explores creativity as a logical process for problem solving. Creates awareness of the interrelationship between emotion and intellect and shows how collective experiences and attitudes become part of the creative process. Discusses views of writers, artists, designers, and philosophers with special attention to creative problem-solvers such as Sonja Delauney, Ralph Waldo Emerson, and Pablo Picasso.
0 CREDITS; 1 LECTURE HOURS PER WEEK

AR 101 — FASHION ART AND DESIGN
For Fashion Merchandising Management and Textile Development and Marketing students. Studies basic proportions of the fashion figure, garment details and terminology, and principles of color. (G6: Arts)
1.5 CREDITS; 1 LECTURE AND 1 STUDIO HOURS PER WEEK

AR 114 — DIGITAL FASHION DESIGN ART
Emphasizes developing and integrating manual and digital drawing skills. Concurrently, learn about the proportions of the fashion figure and rudimentary vector drawing skills. Acquire knowledge of basic garment details and silhouettes by studying flat sketching and garment specifications.
2.5 CREDITS; 1 LECTURE AND 3 COMPUTER LABORATORY HOURS PER WEEK

AR 115 — INTRODUCTION TO CAD SOFTWARE FOR FASHION DESIGNERS
Acquire basic knowledge and hands-on experience with software applications typically used by designers in the fashion industry. Develop the computer skills needed to create original designs in various formats.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

AR 152 — LEATHER APPAREL PORTFOLIO
Prerequisite: AR 114 or approval of Leather Apparel certificate program advisor
Use basic drawing and computer skills to communicate design concepts and develop a digital portfolio of men's or women's leather apparel.
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

AR 182 — FLATS AND SPECS FOR THE FASHION INDUSTRY
Prerequisite: AR 101 or approval of Fashion Design-Art assistant chairperson
Introduces the concept of sketching designs and actual garments in the flat format rather than on the fashion figure. Emphasizes developing flat sketches used for spec sheets, presentation and storyboards, designing and merchandising a line, and record keeping.
1.5 CREDITS; 1 LECTURE AND 1 STUDIO HOURS PER WEEK

AR 211 — FASHION ART AND DESIGN
Create original sketches in major areas of design. Emphasizes the development of individual style and examines sources of inspiration, fabric, design groupings, the customer, and markets.
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

AR 212 — FASHION ART AND DESIGN
Prerequisite: AR 211
For part-time degree students. The technique of organizing a fashion design portfolio is stressed, with special emphasis on the students' specialization areas.
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

AR 213 — INTRODUCTION TO COMPUTERIZED FASHION DESIGN
Prerequisite: AR 112 or FF 112
Conceptualize fashion design ideas and create original artwork using the computer as a design tool.
1 CREDIT; 2 COMPUTER LABORATORY HOURS PER WEEK

AR 214 — FASHION DESIGN USING PHOTOSHOP
Prerequisites: (AR 114 or AR 115 or AR 213) and (AR 101 or AR 111), or approval of Fashion Design-Art assistant chairperson
Using Adobe Photoshop, focus on sketching, color stories, line planning, silhouette, and fabric design in order to establish fashion design principles through digital line development techniques. Includes analysis and interpretation of customer/category research.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

AR 215 — FASHION DESIGN USING ILLUSTRATOR
Prerequisites: (AR 114 or AR 115 or AR 213) and (AR 101 or AR 111), or approval of Fashion Design-Art assistant chairperson
Use Adobe Illustrator to learn the fundamental and advanced techniques specific to fashion design. Aspects of drawing flats and garment details and working with images and color are addressed. Build fabric and trim libraries and create stitch effects and/or repeat prints.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK
AR 216 — FASHION DESIGN USING PRIMAVISION AND COLOUR MATTERS
Prerequisites: (AR 114 or AR 115 or AR 213) and (AR 101 or AR 111), or approval of Fashion Design-Art assistant chairperson
Master the use of Primavision and Colour Matters. CAD systems used extensively in the fashion industry, in order to create digital presentation boards, fashion graphics, woven and print designs, and flat garment sketches. Emphasis is on CAD usage within an art and design studio environment.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

AR 245 — DIGITAL FASHION DESIGN PORTFOLIO
Prerequisite: AR 214, AR 215, AR 216, or approval of Fashion Design-Art assistant chairperson
Selecting specializations and creating mini-collections, students produce professional digital portfolios using Adobe Photoshop, Adobe Illustrator, Colour Matters, and Primavision CAD applications.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

AR 251 — CURRENT SCENE
Prerequisite: AR 211
Co-requisite: AP 251
Design portfolios are executed, using current trend information to create design ideas. Emphasis is on designing a cutting-edge line and collection for the streetwear market, based on research of boutiques, ready-to-wear markets, and specialty shops.
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

AR 256 — DESIGN STUDIO
Prerequisite: AR 211 or FF 212
Co-requisite: AP 256
Create portfolios of original design lines within the categories of couture and the high-priced, ready-to-wear industry.
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

AR 261 — CONTEMPORARY TAILORED DESIGN
Prerequisite: AR 211
Co-requisite: AP 261
Emphasizes creative design development in different tailored garment categories, particularly suits and coats, to produce a professional fashion design portfolio.
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

AR 266 — SPORTSWEAR DESIGN
Prerequisite: AR 211 or FF 212
Co-requisite: AP 266
Create a professional fashion design portfolio with emphasis on original design sketches for the sportswear market. Research on fabric and its functions and development of color-keyed coordinates are stressed. Varied graphic media are explored.
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

AR 291 — OUTERWEAR AND PERFORMANCE APPAREL DESIGN PORTFOLIO
Prerequisites: (AR 111 or FF 111 or MW 151) and (CG 211 or PH 272) and TS 171
Create product, spec sheets, and storyboards for various segments of the men’s and women’s outerwear and performance apparel industry in order to develop digital portfolios focusing on a particular market. Forecast and track trends, study licensing issues, and explore graphic design as it relates to logos and branding.
2.5 CREDITS; 1 LECTURE AND 3 COMPUTER LABORATORY HOURS PER WEEK

AR 292 — HAUTE COUTURE PORTFOLIO
Prerequisite: (AR 211 or FF 211) or approval of Fashion Design-Art assistant chairperson
Study the muscular and skeletal functions of the human body and their relationships to the design and creation of haute couture apparel, visualizing how anatomy and aesthetics form the basis of designing a haute couture collection. Become proficient in the translation of ideas via the fashion design sketch and further develop a personal drawing style.
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

AR 301 — FASHION ART FOR TEXTILE DESIGNERS
For baccalaureate-level Textile/Surface Design students. The basics of figure drawing and sketching in various media are presented. Students create original fashion designs using their own textile designs.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

AR 311 — SKETCHING FOR FASHION DESIGNERS
Draw garments as they appear on models and study clothing in relationship to the body. Large, half-size, petite, and junior-size figures are featured to study proportions used in the industry.
2 CREDITS; 4 STUDIO HOURS PER WEEK

AR 312 — COMPUTER-ASSISTED FASHION DESIGN
Prerequisites: AR 213, AR 343, and AR 371
Use an advanced, industry-specific CAD system to produce high-level graphic presentations. Create color palettes, textiles, and surface designs; explore texture mapping and how it is used to create a natural drape on the fashion figure; use the computer as a layout design tool for swatches and vector flat drawings.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

AR 411 — ADVANCED SKETCHING FOR FASHION DESIGNERS
Prerequisite: AR 311
This course offers further study of clothing in relationship to the figure by drawing garments worn by a live model. Garments from all areas of apparel design are represented.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

Business Enterprise

BE 111 — BUSINESS LAW PRACTICES FOR SMALL BUSINESS
Develops an understanding of basic legal principles relating to branches of commercial law. Concentrates on areas of special interest to entrepreneurs, including laws of contracts, sales, forms of business organization, personal and real property, and insurance.
3 CREDITS

BE 113 — FINANCIAL PRACTICES FOR SMALL BUSINESS
Provides an understanding of techniques necessary to plan a sound financial foundation for a small business. Analyzes procedures connected with capital budgeting, sources of borrowed capital, management of assets, financial planning, liquidity vs. profitability, and risk management, with special emphasis placed on the unique financial practices of small businesses.
3 CREDITS

BE 121 — OPERATING A SMALL RETAIL BUSINESS
Develops an understanding of the principles and techniques necessary to profitably operate a retail store. Emphasis is placed on the development of a detailed six-month plan and the decision-making inherent in successful retail businesses.
3 CREDITS
## Business Law

**BE 261 — STARTING A SMALL BUSINESS**  
Investigates the problems and challenges of opening and managing a small business. Emphasis is placed on analysis of financial statements and on developing a business plan.  
3 CREDITS

**BE 402 — THE BUSINESS OF ILLUSTRATION**  
Students learn the business side of an illustration career. Potential markets for illustration are examined, marketing techniques are explored, and legal issues are studied. Key aspects of financial management, including record keeping and tax planning, are covered.  
1 CREDIT

**BE 403 — THE ARTIST IN THE MARKETPLACE**  
Basic business practices relevant to fine artists are presented. Issues in intellectual property and contract law are discussed. Students research potential markets for fine arts and explore pertinent marketing techniques.  
3 CREDITS

## Business and Technology Studies

**BT 299 — INDEPENDENT STUDY**  
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean  
VARIABLE CREDITS (3 CREDITS MAXIMUM)

**BT 499 — INDEPENDENT STUDY**  
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean  
VARIABLE CREDITS (3 CREDITS MAXIMUM)

## Communication Design

**CD 111 — FOUNDATION I/BASIC DESIGN THEORY**  
An introduction to basic two-dimensional design theory, principles, and practice. Students progress from circle, square, and triangle analysis to the study of line, shape, and form. Course emphasizes studio techniques and media exploration. (G6: Arts)  
3 CREDITS; 6 STUDIO HOURS PER WEEK

**CD 112 — FOUNDATION II/COMMUNICATION DESIGN**  
Prerequisites: CD 111 and CD 171  
Application of design principles and systems to basic problems in advertising/graphic design. Students explore layout techniques and the relationship of typography and visual elements in creative problem solving.  
3 CREDITS; 6 STUDIO HOURS PER WEEK

**CD 113 — THREE-DIMENSIONAL DESIGN**  
Introduces design in three dimensions by developing form through the joining of planes. Techniques with board and paper are stressed. (G6: Arts)  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

**CD 121 — STUDIO SKILLS**  
Students learn to execute marker renderings of images and type in layouts—from quick thumbnails to art director’s roughs—to communicate visual ideas. The techniques of sketching quickly are taught through demonstration, exercise, and practice.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

**CD 122 — DIGITAL LAYOUT I**  
Traditional studio skills, typography, and computer techniques are explored in order to create printed pieces using InDesign/QuarkXPress. Students learn to plan and produce files for printing.  
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

**CD 123 — BASIC BOOKBINDING**  
Students work hands-on to create book structures. Different bookbinding methods are explored, such as non-adhesive structures, accordions, sewing, and case-bound books, with an emphasis on craft and the proper use of materials.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

**CD 131 — COLOR WORKSHOP**  
The study of the relationship of color principles, theories, and terminology to the printed page. Students explore various approaches to color application and creation.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

**CD 132 — CREATIVE PROCESS**  
Students study various processes and techniques to stimulate and develop creativity. The communication of ideas using visual and verbal methods is learned. (G6: Arts)  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

**CD 171 — INTRODUCTION TO TYPOGRAPHY**  
Study of basic type forms, terminology, and specification. Application of type in layout design is presented, with an emphasis on rendering techniques. Includes the historical development of type.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK
CD 172 — COMPUTER DRAWING AND TYPOGRAPHY
Co-requisite: CD 122
This course concentrates on the creation, use, and versatility of vector-based images and type, emphasizing the connection between design and illustration.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CD 201 — COMPUTER TYPESetting AND DESign
For Illustration students. Introduces the Macintosh computer system as a typesetting and graphic design tool. Through hands-on experience, students develop a working knowledge of hardware and software applications.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CD 222 — DIGITAL LAYOUT II
Prerequisite: CD 122
This course is a continuation of CD 122. Using InDesign/QuarkXpress, students master the essential elements of design, typography, and image control, including color separations and printing.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CD 223 — INTRODUCTION TO INDESIGN
Prerequisite: CD 122 or CD 172, or approval of chairperson
Using the Adobe InDesign page layout program, students master the essential elements of design, typography, and image control, and learn to integrate other Adobe applications to enhance their designs.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CD 231 — VISUAL PROCESS
Prerequisites: CD 132 and CD 172
Images and symbols are introduced into the students’ graphic vocabulary, providing them with additional methods for communicating ideas. Students develop their concepts both by hand and on computer.
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK

CD 251 — DIGITAL IMAGERY
Prerequisite: CD 172
Introduces digital imagery and its tools and techniques. Using Adobe Photoshop, students work with layers to build intricate visual composites containing multiple images, textures, and transparencies, resulting in practical design solutions.
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK

CD 261 — PORTFOLIO DEVELOPMENT
For non-degree students. Students build and refine their portfolios to a professional level, and write/design their resumes and business cards in preparation for career placement. Employment opportunities are explored, and career goals are examined.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

CD 271 — DESIGNING WITH TYPE
Prerequisite: CD 171
Concentrates on solving design problems through the use of type and letter forms. Emphasizes rendering in a variety of media.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

CD 272 — ADVANCED COMPUTER DRAWING AND TYPOGRAPHY
Prerequisite: CD 172
This course builds upon the knowledge and skills acquired in CD 172. Emphasis is placed on advanced concepts of drawing and layout through the use of computer-drawn images and typography. Students create three-dimensional images from two-dimensional designs and prepare and optimize vector-based files for print and screen-based presentation.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CD 322 — DESIGN PROCESS TECHNOLOGY
Prerequisites: CD 222 and CD 251
Students explore grid systems to enhance conceptual thinking and master practical applications.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CD 361 — PROFESSIONAL PRACTICES
Future designers and art directors explore the business side of their professions by learning how to develop professional relationships; understand contracts and other business documents; negotiate, estimate, and determine fees; start, manage, and market a business; and address ethical and legal issues.
2 CREDITS

CD 371 — ADVANCED TYPOGRAPHY I
Prerequisites: CD 231, CD 271, and GD 214
Explores solutions to advanced typographical problems involving typographic origins, forms, and communications. The course includes computerized typesetting as a type source.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

CD 372 — ADVANCED TYPOGRAPHY II
Prerequisite: CD 371
This course presents a comprehensive study of typographic applications and principles of text, grids, ligatures, and letterform development.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

CD 373 — THE CONVERGENCE OF TYPE AND IMAGE
Prerequisite: PH 274
Photography students learn to combine typography and photographic imagery to create promotional materials for a photography exhibit. Adobe InDesign is used.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CD 441 — BROADCAST DESIGN
Prerequisite: GD 243
This course guides students through the process of creating successful time-based design projects, which may be disseminated or broadcast via digital networks. The concept of incorporating motion, sound, and interactivity is introduced and experimented with non-traditional design solutions is encouraged.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CD 442 — SENIOR 3D PRESENTATION DESIGN
Prerequisite: AD 494
Students explore the creative process specific to exhibition design in three dimensions. Using three-dimensional graphic design, multimedia, and audiovisuals, they design a custom system as a communications tool.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK
Computer Graphics

CG 111 — INTRODUCTION TO COMPUTER GRAPHICS
Co-requisite: CG 111 or approval of instructor
Prerequisite: CG 111 (waived for Jewelry Design and Packaging Design students)
Theory and concepts needed to understand three-dimensional space and to construct three-dimensional models are introduced. Focus is on acquiring the tools and techniques used to create three-dimensional models. Software: 3D Studio Max.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CG 211 — COMPUTER-ASSISTED DESIGN
Co-requisite: CG 111 or approval of instructor
Prerequisite: CG 111 or approval of instructor
Paint and image-processing software is used as an artist's tool to solve basic design problems and create original, innovative work. Emphasis is on exploring the visual elements inherent in good design.
1 CREDIT

CG 212 — INTRODUCTION TO 3D COMPUTER MODELING
Prerequisite: CG 211 or PH 272
Students explore advanced formatting tools using CSS (cascading style sheets) and JavaScript, as well as Adobe ImageReady and Flash, in order to produce dynamic websites.
Students must have working knowledge of HTML.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CG 213 — 2D COMPUTER ANIMATION
Prerequisite: CG 211 or PH 272
This in-depth study of the field of interactive design and the concepts of user interface design focuses on principles that are central to creating usable applications and effective, intuitive, friendly, and consistent graphical interfaces.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CG 214 — WEB PAGE CONSTRUCTION
Prerequisite: CG 111 or approval of chairperson
Students learn all aspects of constructing and implementing web pages, from content creation through production. Current HTML and state-of-the-art graphical web designing software, such as Dreamweaver, is discussed, demonstrated, and used to create deliverable web pages.
1.5 CREDITS; 1 LECTURE AND 1 COMPUTER LABORATORY HOURS PER WEEK

CG 215 — WEB PAGE CONSTRUCTION II
Prerequisite: CG 214, PH 264, or approval of instructor
Students explore advanced formatting tools using CSS (cascading style sheets) and JavaScript, as well as Adobe ImageReady and Flash, in order to produce dynamic websites. Students must have working knowledge of HTML.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CG 216 — DESIGN AND AUTHORING FOR INTERACTIVE MEDIA I
Prerequisite: CG 111
Introduction to designing for interactive media, using Flash or other current software to produce finished projects including websites, CDs, DVDs, games, and animation for various delivery media. Importing various kinds of graphics, video, animation, special effects, and sound is explored. Basic scripting techniques are used to build menus and control program flow.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CG 217 — DESIGN AND AUTHORING FOR INTERACTIVE MEDIA II
Prerequisite: CG 216
Advanced concepts for interactive design are explored, using Flash, Director, and Dreamweaver. Planning and scripting are emphasized, as well as consideration of overall graphic, sound, and human interface design, to produce Flash and Shockwave movies for the web or stand-alone projects.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CG 311 — 2D COMPUTER IMAGE GENERATION
Prerequisite: CG 211 or approval of instructor
This advanced image-processing course builds on concepts introduced in previous courses. Sophisticated tools are explored and applied in individual projects. Software: Adobe Photoshop.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CG 312 — 3D COMPUTER MODELING AND RENDERING
Prerequisite: CG 212
This studio course focuses on the process of creating three-dimensional models and environments. Students explore standard and advanced construction and rendering techniques and work on creative projects. Software: 3D Studio Max.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CG 313 — INTRODUCTION TO 3D COMPUTER MODELING
Prerequisite: CG 212
This course covers the theory and concepts needed to understand three-dimensional space and to construct three-dimensional models. Focus is on acquiring the tools and techniques used to create three-dimensional models. Software: 3D Studio Max.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CG 314 — 3D COMPUTER MODELING AND RENDERING
Prerequisite: CG 212
This course covers the theory and concepts needed to understand three-dimensional space and to construct three-dimensional models. Focus is on acquiring the tools and techniques used to create three-dimensional models. Software: 3D Studio Max.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CG 315 — VIDEO EDITING
Prerequisite: CG 111 or approval of instructor
The concepts involved in editing video and animation are explored using Final Cut Pro software, with an emphasis on telling a story through the editing process. Learn how to assemble audio and video elements and gain studio experience in managing media assets, nested timelines, and basic workflow procedures. Use stock footage or provide own camera.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CG 316 — ADVANCED VIDEO EDITING
Prerequisite: CG 216
This course covers the theory and concepts needed to understand three-dimensional space and to construct three-dimensional models. Focus is on acquiring the tools and techniques used to create three-dimensional models. Software: 3D Studio Max.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CG 317 — CREATING INTERACTIVE MEDIA
Prerequisite: CG 216
This course covers the theory and concepts needed to understand three-dimensional space and to construct three-dimensional models. Focus is on acquiring the tools and techniques used to create three-dimensional models. Software: 3D Studio Max.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CG 318 — ADVANCED DESIGN AND AUTHORING FOR INTERACTIVE MEDIA
Prerequisite: CG 317
This course covers the theory and concepts needed to understand three-dimensional space and to construct three-dimensional models. Focus is on acquiring the tools and techniques used to create three-dimensional models. Software: 3D Studio Max.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CG 319 — ADVANCED VIDEO EDITING
Prerequisite: CG 216
This course covers the theory and concepts needed to understand three-dimensional space and to construct three-dimensional models. Focus is on acquiring the tools and techniques used to create three-dimensional models. Software: 3D Studio Max.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CG 320 — ADVANCED VIDEO EDITING
Prerequisite: CG 216
This course covers the theory and concepts needed to understand three-dimensional space and to construct three-dimensional models. Focus is on acquiring the tools and techniques used to create three-dimensional models. Software: 3D Studio Max.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CG 321 — DESIGN AND AUTHORING FOR INTERACTIVE MEDIA I
Prerequisite: CG 216
Introduction to designing for interactive media, using Flash or other current software to produce finished projects including websites, CDs, DVDs, games, and animation for various delivery media. Importing various kinds of graphics, video, animation, special effects, and sound is explored. Basic scripting techniques are used to build menus and control program flow.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CG 322 — GAME DESIGN FOR DIGITAL MEDIA
Prerequisite: CG 321, CG 441, or approval of chairperson
The theory and implementation of game design is explored through the creation of small games using Flash and ActionScript.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CG 323 — ADVANCED VIDEO EDITING
Prerequisite: CG 216
This course covers the theory and concepts needed to understand three-dimensional space and to construct three-dimensional models. Focus is on acquiring the tools and techniques used to create three-dimensional models. Software: 3D Studio Max.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CG 324 — ADVANCED DESIGN AND AUTHORING FOR INTERACTIVE MEDIA II
Prerequisite: CG 321
Advanced concepts for interactive design are explored, using Flash, Director, and Dreamweaver. Planning and scripting are emphasized, as well as consideration of overall graphic, sound, and human interface design, to produce Flash and Shockwave movies for the web or stand-alone projects.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CG 325 — INTERFACE DESIGN
Prerequisite: CG 321
This in-depth study of the field of interactive design and the concepts of user interface design focuses on principles that are central to creating usable applications and effective, intuitive, friendly, and consistent graphical interfaces.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CG 326 — ADVANCED DESIGN AND AUTHORING FOR INTERACTIVE MEDIA III
Prerequisite: CG 321
Advanced concepts for interactive design are explored, using Flash, Director, and Dreamweaver. Planning and scripting are emphasized, as well as consideration of overall graphic, sound, and human interface design, to produce Flash and Shockwave movies for the web or stand-alone projects.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisites</th>
<th>Credits</th>
<th>Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CG 341</td>
<td>3D Modeling and Animation</td>
<td>Prerequisite: CG 212 or approval of chairperson</td>
<td>3</td>
<td></td>
<td>Focusing on the creative process involved in constructing and animating three-dimensional models, students explore the fundamental techniques for lighting and composing models and adding shaders to produce a specific mood, feeling, or expression.</td>
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<td>Co-requisite: CG 346</td>
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<td>2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK</td>
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<tr>
<td>CG 342</td>
<td>Advanced 3D Computer Modeling</td>
<td>Prerequisite: CG 341</td>
<td>3</td>
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<td>Students focus on techniques for planning and executing complex models, particularly animation-ready biomorphic characters. Analysis of the numerous variables that affect how successfully a model will perform in production provides a solid foundation for students to begin building three-dimensional characters and preparing them for three-dimensional animation.</td>
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<td>2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK</td>
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<tr>
<td>CG 343</td>
<td>History of Animation</td>
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<td>1.5</td>
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<td>Students examine the work of early pioneering contributions to the moving image on film which led to the invention of film animation techniques. The history of traditional animation and visual effects puts modern computer animation techniques in a larger historical context. Early inventions and innovations by magicians and artists prior to the 20th century are studied.</td>
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<tr>
<td>CG 344</td>
<td>Principles of Animation I</td>
<td>Prerequisite: CG 212</td>
<td>3</td>
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<td>Through a series of short projects using two-dimensional animation software and a digitizing tablet, students learn how to apply the classic Disney principles of animation to their work. All phases of animation production are covered, with ongoing discussion and analysis of the work in progress. Students critique, refine, and improve the resulting animations.</td>
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<td>Co-requisites: CG 351 and IL 302</td>
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<td>1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK</td>
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<tr>
<td>CG 345</td>
<td>3D Computer Animation</td>
<td>Prerequisites: CG 341, CG 346, and CG 351</td>
<td>3</td>
<td></td>
<td>The fundamental building blocks of three-dimensional animation are examined and the traditional animation principles as they apply to computer animation are studied. Students learn to analyze motion and the devices of anticipation, reaction, overlapping motion, and squash-and-stretch to add clarity and strength to sequences.</td>
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<td>2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK</td>
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<tr>
<td>CG 346</td>
<td>Principles of Animation II</td>
<td>Prerequisite: CG 212</td>
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<td>Focusing on the fundamentals of three-dimensional computer animation, students learn a variety of techniques for analyzing and creating complex, coordinated motion, and the steps necessary to produce animation.</td>
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<td>Co-requisites: CG 345 and CG 351</td>
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<td>2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK</td>
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<tr>
<td>CG 351</td>
<td>Storyboarding and Storytelling</td>
<td>Prerequisite: CG 213 or approval of chairperson</td>
<td>1.5</td>
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<td>Students work on ideas for animation by taking the first step: creating a storyboard. Learn the importance of a storyboard, flipbook, and script in planning a character animation and focus on the conceptual development of an expressive animation short.</td>
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<td>Co-requisite: CG 346</td>
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<td>2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK</td>
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<tr>
<td>CG 352</td>
<td>Music and Sound Design</td>
<td>Prerequisite: CG 321</td>
<td>1.5</td>
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<td>Using a fully rigged three-dimensional character, students study advanced topics in animation, focusing on an in-depth analysis of motion. Through the use of function curves, spacing, and key frame techniques, they refine their thesis work-in-progress.</td>
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<td>Co-requisite: CG 345</td>
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<td>1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK</td>
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</table>
CG 451 — COMPUTER-ASSISTED POST-PRODUCTION
Prerequisite: CG 345
Co-requisite: CG 441
Video and animation projects are brought to completion through an understanding of the post-production process. Studio experience focuses on hands-on skills using non-linear editing and compositing software. Lectures present an overview of post-process capabilities and demonstrate how to lay out projects for successful posting.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CG 452 — MUSIC PRODUCTION FOR INTERACTIVE AND ANIMATION THESIS PROJECTS I
Prerequisite: CG 352
Co-requisites: CG 441 and CG 491
Students produce an audio track that encompasses the mechanics of sound and sound design for their own interactive or animation thesis projects. Through sound production, gain insight into the components needed to construct a sound track that provides depth and excitement to the visual product.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CG 453 — MUSIC PRODUCTION FOR INTERACTIVE AND ANIMATION THESIS PROJECTS II
Prerequisite: CG 452
Co-requisites: CG 422, CG 442, and CG 492
Building upon previously designed audio tracks, students progress from theoretical discussion to a practical application of the power of the audio track to their individual work. Through a hands-on approach, they design and apply an accurate sound layer to a thesis project.
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK

CG 491 — SENIOR PROJECT PLANNING
Co-requisites: CG 421 and CG 441
The senior project is planned and formal storyboard and written proposal are executed. Students work with the faculty member to develop concept and storyboard for short animation or interactive media project to be completed in the final semester.
1.5 CREDITS; 1 LECTURE AND 1 COMPUTER LABORATORY HOURS PER WEEK

CG 492 — SENIOR PROJECT
Prerequisite: CG 491
The aspects of creating and researching a thesis project are emphasized from the written proposal and storyboard to the thesis itself, including a short individual animation or interactive project. Projects are discussed and critiqued throughout the various developmental stages.
3 CREDITS; 2 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

CG 499 — INDEPENDENT STUDY IN COMPUTER GRAPHICS
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

Chinese
CH 111 — CHINESE I
This introductory course enables students with no background in Mandarin Chinese to communicate with Mandarin Chinese-speaking people. The basic skills of speaking, reading, and writing in Chinese are established and the cultures where Mandarin Chinese is spoken are introduced. Teacher-instructed multimedia laboratory sessions reinforce skills learned in the classroom.
(G8: Foreign Language)
3.5 CREDITS; 3 LECTURE AND 1 LABORATORY HOURS PER WEEK

CH 112 — CHINESE II
Prerequisite: CH 111 or equivalent
Students expand upon the skills established in Chinese I and continue to study the cultures where Mandarin Chinese is spoken. Teacher-instructed multimedia laboratory sessions reinforce skills learned in the classroom. (G8: Foreign Language)
3.5 CREDITS; 3 LECTURE AND 1 LABORATORY HOURS PER WEEK

CH 122 — CHINESE CONVERSATION I
Prerequisite: CH 111 or equivalent
Students learn to converse in Mandarin Chinese by emphasizing interaction in real-life situations. Functional and practical verbal communications are addressed, with a focus on the cultures where Mandarin Chinese is spoken.
3 CREDITS

Fashion and Culture of the World
CL 112 — FACES AND PLACES IN FASHION
For one-year Fashion Design and Fashion Merchandising Management students. Students are introduced to the world of fashion through a variety of venues, including appearances by leaders in the fashion and related fields. This course is intended to broaden students’ cultural horizons through organized visits to a variety of museums, exhibits, backstage dressing venues, and design rooms, including the Metropolitan Opera house.
1 CREDIT; 2 LECTURE HOURS PER WEEK

CL 131 — FASHION IN FRANCE AND ITALY (SUMMER ONLY)
Compares fashion in France and Italy through visits to French and Italian couture and ready-to-wear establishments, fashion accessory houses, fabric mills, design studios, and museums.
3 CREDITS; APPROXIMATELY THREE WEEKS IN JUNE

Cosmetics and Fragrance Marketing
CM 023 — COSMETIC PRODUCT KNOWLEDGE LAB
Prerequisites: CM 311, CM 341, and SC 046/146
Co-requisite: CM 323
Through laboratory and evaluation activities, students learn how cosmetics look, feel, and smell individually and when combined. In the studio, they compound products and begin to evaluate marketed cosmetics.
1 CREDIT; 2 LABORATORY HOURS PER WEEK
CM 024 — FRAGRANCE KNOWLEDGE LAB
Prerequisites: CM 311 and SC 046/146
Co-requisite: CM 424
Through laboratory and evaluation activities, students learn how fragrance raw materials smell individually and when combined. Trained in the studio, they compound fragrances and learn to evaluate both fine fragrances and fragrances used in functional products.
1 CREDIT; 2 LABORATORY HOURS PER WEEK

CM 151 — THE BUSINESS OF BEAUTY
This course provides an overview of the techniques used to market consumer products in the beauty industry from ancient times to the present. The history, culture, and key entrepreneurs of this industry and the companies they built are examined.
3 CREDITS

CM 311 — THE COSMETICS, FRAGRANCES, AND TOILETRIES INDUSTRIES
Introduces historical usage of cosmetics, fragrances, and toiletries and the transition from household recipes to marketable retail products. Describes types of suppliers, vendors, retailers, and auxiliary services involved in producing and marketing the products of the industry.
3 CREDITS

CM 323 — COSMETIC PRODUCT KNOWLEDGE
Prerequisites: CM 311, CM 341, and SC 046/146
Co-requisite: CM 023
Students learn how cosmetics are created and manufactured for the marketplace and study the natural and synthetic raw materials used in the process. The marketability of cosmetics and regulatory issues in today’s cosmetic business are also examined.
2 CREDITS

CM 341 — COSMETICS AND FRAGRANCE MARKETING
Students learn the basic principles of marketing for the cosmetic and fragrance industry. Global and external factors, corporate capabilities, product need, planning, promotion, and launch are considered.
3 CREDITS

CM 351 — THE EUROPEAN COSMETICS AND FRAGRANCE INDUSTRIES
Prerequisite: approval of instructor
Students develop a firsthand understanding of the cosmetics and fragrances marketing process from the European perspective. Issues in product development, production, and retail marketing strategies are addressed through on-site visits to world-renowned manufacturers, suppliers, and retailers.
3 CREDITS; APPROXIMATELY THREE WEEKS IN JUNE

CM 423 — COSMETIC AND FRAGRANCE PRODUCT DEVELOPMENT WORKSHOP
Prerequisites: CM 323, CM 341, and CM 424
Through a workshop format, students develop and implement strategies to create products in the cosmetic and fragrance industries. Emphasis is on determining the need for new entries in the market and the interdepartmental teamwork required to successfully launch a company’s product.
3 CREDITS

CM 424 — FRAGRANCE KNOWLEDGE
Prerequisites: CM 311 and SC 046/146
Co-requisite: CM 024
Learning about olfaction and the role played by the sense of smell, students examine how fragrances are created and manufactured for the marketplace. Natural and synthetic raw materials used in the manufacture of fragrances are studied. Students train in the classification of fragrances into odor families, evaluate the marketability of fragrances, and review the regulatory issues related to the business.
2 CREDITS

CM 425 — ENVIRONMENTAL FRAGRANCING
This course provides a historical background in environmental fragrancing from its spiritual origins in the ancient world to its current market status. Students develop a knowledge of technical terminology and become familiar with home fragrance delivery systems and fragrance types used for environmental fragrances.
3 CREDITS

Design Studies

DD 112 — DESIGN SURVEY
Students explore career options in the applied arts and are provided the opportunity to assess their talents and skills by working in each of the areas introduced.
3 CREDITS

DD 231 — COLOR PRODUCTION TECHNIQUES FOR DIGITAL PREPRESS
Prerequisite: CD 322
Students learn how to prepare digital files to simplify the complexities of prepress and ensure quality of final output. The relationship between creative vision, what is seen on the screen, and the realities of the printed piece is explored.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

DD 271 — FRENCH COSTUME AND INTERIORS: BAROQUE TO PRESENT
Prerequisite: HA 112
An interdisciplinary overview of costumes and interiors of France from the late 17th century to the present, stressing the relationship between clothing and environment. Sessions are conducted in museums, galleries, and historical collections in France.
3 CREDITS; APPROXIMATELY 5 WEEKS IN JUNE AND JULY

DD 272 — CONTEMPORARY ITALIAN DESIGN
Studies the history and aesthetics of 20th-century applied and decorative design in Italy. Conducted in Florence, where students develop an understanding of and appreciation for important designers, design movements, and Italian traditions.
3 CREDITS

DD 299 — INDEPENDENT STUDY
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

DD 499 — INDEPENDENT STUDY
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)
Visual Presentation and Exhibition Design

DE 101 — PRINCIPLES OF DISPLAY AND EXHIBIT DESIGN: SMALL SCALE
For students not majoring in Visual Presentation and Exhibition Design. Basic hands-on display methods used in visual merchandising and an understanding of two- and three-dimensional design practices and materials. (G6: Arts)
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

DE 102 — PRINCIPLES OF DISPLAY AND EXHIBIT DESIGN: LARGE SCALE
The introduction to and hands-on creation of large-scale displays using mannequins, fashions, and props.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

DE 123 — DESIGN AND RENDERING
Principles of display drafting and rendering, including drafting of floor plans and elevations, are presented. Introduces perspective drawing as a means of expressing design concepts.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

DE 124 — DESIGN AND RENDERING
Prerequisite: DE 123
Students are introduced to conceptual design development, incorporating visual adaptation in one- and two-point perspective drawing for retail, trade show, and exhibition presentations.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

DE 125 — CAD FOR VISUAL PRESENTATION
Prerequisites: DE 123 and DE 141 or approval of chairperson
This course introduces two-dimensional computer drafting. Using VectorWorks, students draw plans and elevations for visual presentation and exhibition design projects.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

DE 131 — STUDIO DESIGN: PRODUCT PRESENTATION
Course introduces contemporary display techniques, equipment, and materials for designing three-dimensional product presentations within the retail environment.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

DE 133 — ADVANCED STUDIO DESIGN: PRODUCT PRESENTATION
Prerequisite: DE 131
Using mannequins, students conceive, design, and execute fashion presentations thematically coordinated with large-scale product presentations.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

DE 141 — DISPLAY GRAPHICS I
Students are introduced to the role of graphics in the display and exhibit design field. The importance of typography as the root of visual communication is explored using the Macintosh platform as the graphic design tool.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

DE 142 — DISPLAY GRAPHICS II
Prerequisite: DE 141
Students develop problem-solving and project-management skills by designing a storewide promotion for an upscale retail environment. They design a logo, advertising, signage, and other graphics using digital and traditional design and production techniques. Projects present students the opportunity to further develop their computer skills using Adobe Illustrator, QuarkXPress, and Adobe Photoshop.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

DE 143 — STYLING FOR VISUAL PRESENTATION
Through lectures, demonstrations, and studio projects, students explore an array of styling and visual presentation techniques used in a range of media. Assignments include set and prop styling, scouting for locations, styling for celebrities, fashion shows, and video production.
1.5 CREDITS; 1 LECTURE AND 1 STUDIO HOURS PER WEEK

DE 161 — PROFESSIONAL PRACTICES
Develops an awareness of the cultural influences which shape the creative expression of the designer in the promotion and presentation of consumer products. Field trips and guest lecturers are included.
1.5 CREDITS; 1 LECTURE AND 1 STUDIO HOURS PER WEEK

DE 213 — EXHIBITION DESIGN
Prerequisites: DE 225 and DE 236
Co-requisite: DE 243
Introduces the process of creating exhibitions from conceptualization through design development and presentation. Students learn and apply principles and criteria specific to organizing and conveying information in exhibition environments. Understanding of the principles is demonstrated through proposals that include models, presentation drawings, and other design materials.
3 CREDITS; 1 LECTURE AND 4 STUDIO HOURS PER WEEK

DE 225 — DESIGN AND RENDERING
Prerequisite: DE 124
Advances design and presentation techniques by introducing the student to model-making in the creation and research of exhibitions and designer-oriented fashion shows.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

DE 232 — ELEMENTS OF VISUAL MERCHANDISING
Prerequisites: DE 124 and DE 141
Presents an overview of how the department store and the small retail shop coordinate their merchandise presentations with their overall design concepts, fixturing, and graphic/signage components.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

DE 234 — POINT-OF-PURCHASE DISPLAY
Co-requisite: DE 236
Introduces the dynamics of the point-of-purchase (POP) display and its impact on the presentation and sale of merchandise. Includes the design and development of POP structural units using graphics/typography and stresses appropriate materials and construction techniques.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

DE 236 — STUDIO DESIGN/EXHIBITION
Prerequisite: DE 133
Co-requisite: DE 234
The elements of thematic display and exhibition design in commercial and institutional environments are examined. The development of professional concepts, ideology, and skills is stressed.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

DE 242 — DISPLAY GRAPHICS III
Prerequisite: DE 142
Co-requisites: DE 225 and DE 232
Students create graphic identities for three-dimensional display projects that are worked on concurrently in DE 225 and DE 232. The latest computer software is used to execute design solutions.
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK
DM 321 — DATABASE MARKETING  
Prerequisite: DM 211 or DM 311 or FM 213  
Students develop a database marketing plan and construct a functioning marketing database using Microsoft Access.  
3 CREDITS

DM 331 — DIRECT RESPONSE COPYWRITING  
Prerequisite: DM 211 or DM 311 or FM 213  
Students formulate creative strategies and develop direct marketing copy and design in workshop exercises. Students write copy and prepare design layouts for direct mail, catalogues, and interactive media.  
3 CREDITS

DM 421 — DIRECT MARKETING FINANCE AND OPERATIONS  
Prerequisites: (DM 211 or DM 311 or FM 213) and MA 311  
Students are introduced to the basic finance and operations practices and procedures unique to direct marketing: financial management principles, math and profit analysis techniques, print production, mailing, order processing, and telemarketing. Negotiation with suppliers is covered.  
3 CREDITS

DM 432 — DIRECT RESPONSE MEDIA PLANNING  
Prerequisite: DM 211 or DM 311 or FM 213  
Students study the different forms of direct response media and analyze how each is best used. They prepare a comprehensive plan, including budgets, for a hypothetical company’s product.  
3 CREDITS

DM 433 — DIRECT MARKETING COMMUNICATIONS  
Prerequisite: DM 211 or DM 311 or FM 213  
Students prepare a comprehensive business plan for a start-up direct marketing business. The plan is presented from the perspective of top management seeking capital from investors, and covers administration, staffing, marketing plans, fulfillment, sales projections, and income statement projections.  
3 CREDITS

DM 434 — DIRECT MARKETING CAMPAIGN PLANNING AND EXECUTION  
Prerequisites: DM 331 and DM 432 and approval of chairperson  
Guides students through all the stages of planning and executing a direct marketing campaign. Course operates as a direct marketing agency, where each student functions as part of a management team with both individual and group responsibilities. The class prepares and runs a live campaign for a real marketer, generating responses from the target market.  
3 CREDITS

DM 435 — INTERNET MARKETING  
Prerequisite: DM 211 or DM 311  
Students are introduced to current marketing principles and practices on the internet. The course explores email, the internet, and search engine marketing (SEM) as practical applications used to create direct marketing plans and programs that integrate online and offline strategies. In addition, students study the legal and ethical issues involved in using the internet as a marketing tool.  
3 CREDITS

Direct and Interactive Marketing

DM 211 — WORKSHOP IN DIRECT MARKETING (FORMERLY DM 311)  
Prerequisite: AC 111  
Students study direct marketing principles and practices and develop a multifaceted direct marketing plan.  
3 CREDITS

DM 243 — EXHIBIT DESIGN GRAPHICS  
Prerequisite: DE 242  
Co-requisite: DE 213  
Students are introduced to large-format graphics in exhibition design. They learn how to develop design concepts, estimate print production budgets, specify materials, and prepare files for both offset print production and as large-format digital graphics. They produce, print, and mount a comprehensive signage system for the final-semester capstone exhibit.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

DE 251 — EVENT AND PROMOTION DESIGN  
Prerequisite: DE 236  
The displays and exhibits integral to special events, from one-time extravaganzas to permanent exhibitions, are explored. Students design visual presentations and develop techniques for varied applications, learning material sourcing, budget planning, and installation/strike factors.  
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

DE 299 — INDEPENDENT STUDY IN VISUAL PRESENTATION AND EXHIBITION DESIGN  
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean  
VARIABLE CREDITS (3 CREDITS MAXIMUM)

DE 301 — VISUAL PRESENTATION FOR THE COSMETICS AND FRAGRANCE INDUSTRY  
The components of visual merchandising related to cosmetic and fragrance marketing are explored. Emphasis is on point-of-purchase promotions, seasonal color palettes, and presentation of product on the selling floor.  
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

DE 302 — PHOTOGRAPHIC EXHIBITION DESIGN  
Students learn how to design, administer and manage a professional theme-based photographic exhibition. The course focuses on gallery presentation and management with an emphasis on three-dimensional design, culminating in a final exhibition of the students’ photography.  
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

DE 401 — POINT-OF-PURCHASE AD/DISPLAY  
For Packaging Design students. The dynamics of the packaging/display relationship as a catalyst to the sale of merchandise are presented. Coursework includes the development of point-of-purchase (POP) graphic designs and the techniques, materials, and construction of basic POP ideas.  
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK
Courses

Draping Techniques

**DP 111 — DRAPING PROFICIENCY I**
Introduces the fundamental principles of developing basic silhouettes of skirts, blouses, bodices, and collars with draping and patternmaking techniques. Use of stripe fabric as it applies to grain line manipulation in design is studied.

2.5 CREDITS; 1 LECTURE AND 3 LABORATORY HOURS PER WEEK

**DP 112 — DRAPING PROFICIENCY II**
Prerequisite: DP 111
Studies the characteristics and drapability of fabric and its effect on the development of silhouette and style. Students use draping methods and flat pattern techniques to resolve complex problems in design development.

2.5 CREDITS; 1 LECTURE AND 3 LABORATORY HOURS PER WEEK

**DP 211 — DRAPING PROFICIENCY III**
Prerequisite: DP 112
Students utilize advanced draping techniques to analyze style, balance, and proportion. Emphasizes the development of mounted and semi-mounted sleeve designs using a variety of silhouettes as applied to suit and coat styles.

2.5 CREDITS; 1 LECTURE AND 3 LABORATORY HOURS PER WEEK

**DP 212 — DRAPING PROFICIENCY IV**
Prerequisite: DP 211
Develops advanced interpretive skills of draping and patternmaking. Students analyze elements that influence pattern development, including market trends, price points, design categories, target markets, and media sources.

2.5 CREDITS; 1 LECTURE AND 3 LABORATORY HOURS PER WEEK

English and Speech

**EN 121 — ENGLISH COMPOSITION**
Prerequisite: college-level English proficiency as demonstrated by placement test or completion of appropriate ES course(s)
This course encourages students’ confidence, writing fluency, and the development of a competent writing self by focusing on the writing process. A number of forms are employed, including brainstorming, freewriting, journal writing, reading response journals, and formal essay writing. Classes are conducted as workshops, and both peers and instructor offer constructive feedback. (G1: Basic Communication)

3 CREDITS

**EN 231 — SHORT FICTION**
Prerequisite: EN 121 or equivalent
Students read and analyze stories by authors from around the world. They consider various aspects of narrative and explore different modes of storytelling. The study of short fiction prepares students to read more widely on their own in the future. Special attention is paid to speaking skills. (G7: Humanities)

3 CREDITS

**EN 232 — PERSPECTIVES ON AMERICAN LITERATURE**
Prerequisite: EN 121 or equivalent
This course gives students an understanding of the American heritage based on three suggested themes: the Puritan ethos, the American dream, and reevaluation of the dream. Includes readings from such major writers as Dickinson, Faulkner, Fitzgerald, Hawthorne, Melville, Twain, and Whitman. Special attention is paid to speaking skills. (G7: Humanities)

3 CREDITS

**EN 233 — POETRY**
Prerequisite: EN 121 or equivalent
By reading and analyzing a wide range of poems from a variety of time periods and cultures, students are introduced to the literary genre of poetry. Students examine word usage, figures of speech, rhythm and meter, and other poetic devices. Understanding and appreciation of poetry are enhanced by reading criticism and listening to recordings. Special attention is paid to speaking skills. (G7: Humanities)

3 CREDITS

**EN 234 — GAY AND LESBIAN LITERATURE**
Prerequisite: EN 121 or equivalent
Students read a selection of fiction, poetry, and drama from the mid-19th and 20th centuries and analyze how the texts make use of themes and images such as race, class, gender, sexuality, same-sex desire, homosociality, and the trope of the closet. The construction of, and criteria for, a canon of gay and lesbian literature are considered. Readings are chosen from such authors as Wilde, Whitman, Freud, Hughes, Baldwin, and Rich. (G7: Humanities)

3 CREDITS

**EN 235 — AFRICAN AMERICAN LITERATURE**
Prerequisite: EN 121 or equivalent
A survey of the history of African American literature from slavery to the present is offered. Students read and analyze various genres of African American literature and are introduced to the social, economic, and political forces that have influenced the writers. Through presentations, critical reading, and analytical writing, students become familiar with the influence of these works on the evolution of world literature. (G7: Humanities)

3 CREDITS

**EN 236 — MAJOR WRITERS OF THE WESTERN WORLD**
Prerequisite: EN 121 or equivalent
Studies major themes in the cultural heritage of the Western world from Greek tragedy to the modern novel. Readings are from such representative writers as Plato, Sophocles, Euripides, Dante, Shakespeare, Austen, Flaubert, Tolstoy, Ibsen, Chekhov, Mann, and Sartre. Special attention is paid to speaking skills. (G7: Humanities)

3 CREDITS

**EN 237 — IMAGES OF WOMEN IN THE AMERICAN WORK FORCE**
Prerequisite: EN 121 or equivalent
Students study how working women from Colonial times to the present have been portrayed in American literature. Through these images, students recognize significant patterns in the experience of women in the American work force and the persistent issues they face. Readings include the works of such authors as Anne Bradstreet, Emily Dickinson, Theodore Dreiser, Sylvia Plath, Betty Friedan, and Alice Walker. Films present other images of women and their times. (G7: Humanities)

3 CREDITS
EN 238 — COMEDY  
Prerequisite: EN 121 or equivalent  
Studies the nature and characteristics of comedy. Includes an equal consideration of form and meaning. Materials are from such authors as Aristophanes, Shakespeare, Jonson, Molière, Congreve; and performers such as Chaplin, the Marx Brothers, and Woody Allen are studied. Includes background readings from such critics as Santayana, Meredith, Frye, Langer, Freud, and Bergson. (G7: Humanities)  
3 CREDITS

EN 241 — PROFESSIONAL SPEECH COMMUNICATION  
Prerequisite: EN 121 or equivalent  
Communication theory is discussed and applied to various areas such as verbal and nonverbal communication and listening in professional contexts. Among the activities the course focuses on are interviews and presentations. Videotaping is used to facilitate learning and assessment.  
3 CREDITS

EN 242 — PUBLIC SPEAKING  
Prerequisite: EN 121 or equivalent  
Covers all major aspects of speech preparation, such as formulating purpose statements, analyzing and adapting to audiences, organizing and outlining ideas, assessing evidence and reasoning, and using language effectively. The study of various areas of speech presentation—such as vocal and nonverbal communication, and use of appropriate visuals—complement preparation. Students give a variety of informative and persuasive presentations, which are videotaped and analyzed by the students and the instructor.  
3 CREDITS

EN 243 — VOICE AND ARTICULATION: THEORY AND PRACTICE  
Prerequisite: EN 121 or equivalent  
Students learn to apply theories of speech perception and production in order to analyze, modify, and control their voices and articulation so they can communicate more effectively. Exercises in listening, voice, and speech are conducted.  
3 CREDITS

EN 244 — SPEECH DYNAMICS IN GROUP COMMUNICATION  
Prerequisite: EN 121 or equivalent  
Studies techniques of effective communication in the group process. Students learn to become more skillful communicators through the use of speech dynamics as applied to the psychology of communication. Group members are involved in controversial discussions as participants and group leaders. Emphasis is placed on the enlightenment and problem-solving types of discussion.  
3 CREDITS

EN 245 — INTERCULTURAL COMMUNICATION  
Prerequisite: EN 121 or equivalent  
Students are introduced to the communication process among people from different cultures. The course examines how factors such as cultural patterns, verbal and nonverbal communication, and perception play a role in intercultural relationships. Theory and research in intercultural communication are presented and students apply this information to intercultural encounters.  
3 CREDITS

EN 251 — THEATRE ARTS  
Prerequisite: EN 121 or equivalent  
Focuses on appreciation of the theatre through the study of dramatic art as it evolves from page to stage. Students study the relationship of drama text to performance through reading, acting exercises, and theatre attendance. (G6: Arts)  
3 CREDITS

EN 253 — DRAMATIC LITERATURE  
Prerequisite: EN 121 or equivalent  
Surveys dramatic literature and the development of theatrical performance. Focuses on the evolution of the use of theatrical space in the history of theatre. Students read representative plays and documents of Greek, Roman, Medieval, Elizabethan, Restoration, and 19th- and 20th-century drama. Special attention paid to speaking skills. (G7: Humanities)  
3 CREDITS

EN 254 — DRAMA: FROM SCRIPT TO LIVE THEATRE (WINTERIM ONLY)  
Prerequisite: EN 121 or equivalent  
Offers students an understanding and appreciation of all aspects of the theatre. Provides them—under the instruction of a professional theatre company and on the premises of a theatre—with knowledge of the processes involved in transforming the play from the printed page to the stage. Course format and supervision are under the direction of the professional staff of an active, performing theatre company in consultation with the English and Speech Department. (G6: Arts)  
3 CREDITS

EN 256 — SCREENWRITING  
Prerequisites: EN 121 or equivalent, and one additional college-level English or speech course  
The basic elements of screenwriting are taught: story concept, three-act structure, character arc, scene development, and dialogue. Students study the structure and scenes of successful movies and are assigned writing exercises devoted to scene development and dialogue. They formulate individual projects, from pitching a story to preparing a beat sheet to writing the screenplay.  
3 CREDITS

EN 271 — LITERATURE AND HISTORY: THE DEVELOPMENT OF AMERICAN CULTURE TO 1865  
Prerequisites: EN 121 or equivalent, and one additional college-level English or speech course  
Students read significant texts from America's cultural development against the background of a narrative of United States history through the Civil War. The course surveys a wide variety of literature, from firsthand accounts of slavery to philosophical sources of the U.S. Constitution to early documents in the debate over the role of women in society.  
3 CREDITS

EN 272 — IDENTITY IN AMERICA: HISTORY AND LITERATURE, 1865 TO PRESENT  
Prerequisites: EN 121 or equivalent, and one additional college-level English or speech course  
Students read and interpret literary texts in order to understand the evolution of America's self-images since the Civil War. They explore the cultural context of particular works and how identity manifests itself in literature. Themes examined include regional and ethnic diversity between 1865 and World War I; modernism and expatriation in a context of alienation, loss of faith, and new scientific questions between 1918 and World War II; the civil rights and women's movements through 1980; and multiculturalism, postmodernism, and the implications of technological development and globalization in the last twenty years.  
3 CREDITS

EN 273 — LITERATURE OF INDIA  
Prerequisites: EN 121 or equivalent, and one additional college-level English or speech course  
Students examine selected texts from major periods of Indian literature with a focus on the historical context. Throughout the readings, they consider how the interactions of mythical ancient stories, history, culture, and religion are represented.  
3 CREDITS
EN 274 — VOICES OF CIVIL RIGHTS IN AMERICAN HISTORY
Prerequisite: EN 121 or equivalent
An examination of the evolution of civil rights rhetoric in the history of the United States. Students study civil rights speeches and the political, social, and cultural events that surrounded them. Speeches are analyzed using Aristotle's logic, emotion, and ethics. (G10: American History)
3 CREDITS

EN 299 — INDEPENDENT STUDY IN ENGLISH OR SPEECH
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

EN 321 — BUSINESS WRITING
Prerequisites: EN 121 or equivalent, and one additional college-level English or speech course
Students analyze business situations to write effective correspondence, job search materials, reports, and presentations. They also learn various strategies to elicit appropriate responses for specific audiences. Students are guided in techniques of business research and documentation and develop strategies for using available technology.
3 CREDITS

EN 322 — PROFESSIONAL WRITING IN ART AND DESIGN
Prerequisites: EN 121 or equivalent, and one additional college-level English or speech course
Art and Design students develop their research, presentation and writing skills in preparation for their senior thesis projects. They also analyze professional communications, correspondence (electronic messages, memoranda, and letters), promotional materials, basic contracts, and oral reports. Using available technology, students learn to write and speak in a clear, specific and organized manner.
3 CREDITS

EN 323 — SPECIALIZED WRITING AND THESIS PREPARATION
Prerequisites: EN 121 or equivalent, and one additional college-level English or speech course
Art and design students develop their research, presentation and writing skills in preparation for their senior thesis projects. They also analyze professional communications, correspondence (electronic messages, memoranda, and letters), promotional materials, basic contracts, and oral reports. Using available technology, students learn to write and speak in a clear, specific and organized manner.
3 CREDITS

EN 331 — INTRODUCTION TO SHAKESPEARE
Prerequisites: EN 121 or equivalent, and one additional college-level English or speech course
Selected poetry and plays are presented from a variety of historical, theatrical, and critical perspectives. Students explore Shakespeare's works in relation to the Elizabethan and Jacobean times in which they were produced. They also consider the works' continuing appeal to readers and audiences of theatre and film. (G7: Humanities)
3 CREDITS

EN 333 — MODERN LITERATURE: THE SPIRIT OF THE TWENTIETH CENTURY
Prerequisites: EN 121 or equivalent, and one additional college-level English or speech course
Emphasizes innovative literary techniques and themes of alienation and social criticism in works by such modern authors as Dostoyevsky, Kafka, T.S. Eliot, Ellison, Sartre, Camus, and Beckett, and by authors from Latin America, Africa, and Asia. Recommended for students with a background in literature. (G7: Humanities)
3 CREDITS

EN 334 — THE NOVEL
Prerequisites: EN 121 or equivalent, and one additional college-level English or speech course
Introduces students to the novel as a genre, through the study of selected English, Continental, and American works. Readings are from such representative novelists as Cervantes, Fielding, Austen, Stendhal, Dickens, Dostoyevsky, James, and Hemingway. (G7: Humanities)
3 CREDITS

EN 352 — HISTORY OF FILM
Prerequisites: EN 121 or equivalent, and one additional college-level English or speech course
An overview of cinema history and the basic tools for analyzing the art of film are presented. Students view films from major movements and study the uses of camera, editing, lighting, sound, and acting. They examine the evolution of film technology, the legacy of individual authors, and how films reflect and comment on society. (G7: Humanities; G10: American History)
3 CREDITS

EN 361 — CREATIVE WRITING
Prerequisites: EN 121 or equivalent, and one additional college-level English or speech course
In a workshop environment, students prepare a portfolio of works from one or more of the following genres: fiction, poetry, or drama. Structure, plot, characterization, point of view, theme, and metaphorical language are explored, and works-in-progress are critiqued by faculty and fellow students. Through the processes of writing, critiquing, and revising, ideas are shaped into imaginative form. (G6: Arts)
3 CREDITS

EN 362 — CREATIVE NONFICTION
Prerequisites: EN 121 or equivalent, and one additional college-level English or speech course
In this advanced writing course, students are taught the skills needed to produce informal essays or chapters of nonfiction books of high quality. Drawing upon observation, experience, and research, they create works of intellectual substance that reveal carefully shaped structure. Students develop ease and efficiency in their writing processes and work toward clarity, grace, and individual style. (G1: Basic Communication)
3 CREDITS
Courses

EN 363 — FICTION WRITING
Prerequisites: EN 121 or equivalent, and one additional college-level English or speech course
An advanced writing course that develops students' understanding in imaginative storytelling. Students read short stories and novel excerpts and participate in writing exercises to examine writing process strategies. In a workshop environment, students develop and complete two works of short fiction. (G6: Arts)
3 CREDITS

EN 364 — POETRY WRITING
Prerequisites: EN 121 or equivalent, and one additional college-level English or speech course
Students learn the major elements of writing poetry through a variety of exercises and examples. Works-in-progress are critiqued by fellow students in a rigorous yet supportive environment. Poems are revised and collected in a portfolio at the end of the semester. (G6: Arts)
3 CREDITS

EN 371 — CHINESE ODYSSEY: INTRODUCTION TO CHINESE LITERATURE
Prerequisites: EN 121 or equivalent, and one additional English or speech college-level course
Students study Chinese literature by reading and examining a variety of literary forms from a range of historical periods. The course focuses on relationships between the self, the nation, gender roles, and modernity and how the influence of local and global histories have shaped the focus and reception of each work. All readings are in English.
3 CREDITS

EN 391 — THE CREATIVE IMAGINATION: THEORY AND PROCESS (HONORS)
Prerequisite: qualification for Presidential Scholars Program, or 3.5 GPA with approval of dean for Liberal Arts
Theories of the creative process and the nature of creativity are explored. Through readings, journal entries, and case studies of writers, painters, and other artists, students discover practices useful in producing creative works. Particular attention is paid to the creative work of artists traditionally marginalized by gender, race, ethnicity, or socioeconomic class. (G6: Arts; G7: Humanities)
3 CREDITS

EN 392 — GREEK MYTHS AND THEIR TRANSFORMATIONS (HONORS)
Prerequisite: qualification for Presidential Scholars Program, or 3.5 GPA with approval of dean for Liberal Arts
Introduces Greek deities and Greek myths through readings from original materials (in English translation) as well as interpretations by such authors as Racine, O’Neill, T.S. Eliot, and Sartre. Discusses and analyzes the transformation of myths in film, music, and dance. (G5: Western Civilization; G7: Humanities)
3 CREDITS

EN 393 — SHAKESPEARE (HONORS)
Prerequisite: qualification for Presidential Scholars Program, or 3.5 GPA with approval of dean for Liberal Arts
Familiarizes students with the theatre of Shakespeare through language, character, and plot analysis. Discusses themes of deception, betrayal, and power and emphasizes new interpretations of Shakespeare’s plays through readings and videotaped performances. (G7: Humanities)
3 CREDITS

EN 394 — AMERICAN LIVES (HONORS)
Prerequisite: qualification for Presidential Scholars Program, or 3.5 GPA with approval of dean for Liberal Arts
This literature seminar presents the opportunity to explore the autobiographical impulse in American writing, past and present, through full-scale biographies, works of fiction, drama, and poetry, and in the memoirs so popular today. Students write an autobiographical essay on an aspect of their lives. (G7: Humanities)
3 CREDITS

EN 395 — TRAVEL LITERATURE AND THE TRAVEL ESSAY (HONORS)
Prerequisite: qualification for Presidential Scholars Program, or 3.5 GPA with approval of dean for Liberal Arts
Students focus on the impact of travel literature and voyagers’ chronicles on political, economic, and cultural development in the Eastern and Western worlds, from pre-Renaissance times to the present. They analyze literature of the so-called golden age of travel, the late 18th century, up to the period between the two world wars and contemporary travel literature in order to discern changes brought about by the advent of tour groups, mass travel, and air transport. (G7: Humanities)
3 CREDITS

EN 396 — SHAKESPEARE’S PLAYS (HONORS)
Prerequisite: qualification for Presidential Scholars Program, or 3.5 GPA with approval of dean for Liberal Arts
Shakespeare’s plays as living literature are introduced. Readings include histories, tragedies, and a late romance, examined in the context of Elizabethan culture and concepts of Shakespearean art from his age to ours. (G7: Humanities)
3 CREDITS

EN 397 — WOMEN IN U.S. THEATRE (HONORS)
Prerequisite: qualification for Presidential Scholars Program, or 3.5 GPA with approval of dean for Liberal Arts
This course explores the art forms and skills that contribute to the collaborative process of theater—the script; directing; costume, set, and lighting design; and theater management—by focusing on American women practitioners. Historical developments, such as feminism and the growth of regional theater, are also examined. (G6: Arts)
3 CREDITS

EN 398 — FILM ART/FILM CRITIC (HONORS)
Prerequisite: qualification for Presidential Scholars Program, or 3.5 GPA with approval of dean for Liberal Arts
Students are introduced to cinema history and the basic tools for writing about the art of film. They study how meaning in narrative film is elaborated by uses of camera, editing, lighting, sound, and acting. The course emphasizes the contrast between studio and non-studio films, especially those of Europe, Asia, and third-world countries in contrast to products of the powerful Hollywood system. (G6: Arts)
3 CREDITS; 2 LECTURE AND 2 STUDIO HOURS PER WEEK
EN 399 — THE CRAFT OF WRITING POETRY (HONORS)
Prerequisite: qualification for Presidential Scholars Program, or 3.5 GPA with approval of dean for Liberal Arts
Students immerse themselves in writing poems while they examine the technical and historical aspects of poetry. They study basic elements of poetry such as image, figurative language, rhythm, diction, and form to develop the potential of those elements in their own writing. In order to understand their own creative processes, students read essays about craft and process.
(G6: Arts)
3 CREDITS

EN 499 — INDEPENDENT STUDY IN ENGLISH OR SPEECH
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

Educational Skills

Based on the English Placement Exam, a student who shows need for improvement in writing and reading may be required to enroll for ES 032 or ES 133 before taking EN 121. The student who takes ES 032 must take ES 133 the following semester. Students for whom English is a second language may be required to enroll in ES 123 prior to EN 121 and/or ES 024 as a co-requisite of EN 121.

ES 011 — PREPARATION FOR THE TOEFL AND THE TEST OF WRITTEN ENGLISH
This course prepares intermediate to advanced-level students to take the paper-based and computer-based TOEFL examinations. It covers the test areas of listening, grammar, written expression, and reading. Sessions cover each of the four areas of the test with follow-up practice on both paper-based and computer-based formats.
0 CREDITS; 3 LECTURE AND 1 LABORATORY HOURS PER WEEK

ES 021 — INTENSIVE ENGLISH AS A SECOND LANGUAGE
This summer course, offered five days a week for three weeks in August, serves international students and permanent residents accepted to the college who have recently arrived in the United States. Students focus on improving speaking, listening, and presentation skills through learning about life at FIT and in New York.
0 CREDITS; 20 HOURS PER WEEK

ES 023 — ENGLISH AS A SECOND LANGUAGE WORKSHOP
Co-requisite: ES 123
With intensified instruction in reading and writing, students apply and practice the English skills taught in the co-requisite ES 123. Sessions consist of small-group and individual work.
0 CREDITS; 3 LABORATORY HOURS PER WEEK

ES 024 — ENGLISH AS A SECOND LANGUAGE
Prerequisites: ES 023 and ES 123
Co-requisite: EN 121
For students who have completed ES 023/123 but are required to take an additional writing course in English as a second language. Must be completed at the same time as EN 121.
0 CREDITS; 2 HOURS PER WEEK

ES 025 — PRONUNCIATION SKILLS FOR ESL STUDENTS
This course in pronunciation skills for intermediate to advanced students focuses on modifying pronunciation and improving proficiency in spoken English. Students work intensively with English vowels and consonants; master basic features of English stress, rhythm, and intonation; and learn how to use phonetic symbols and pronunciation guides.
0 CREDITS; 2.5 LECTURE HOURS PER WEEK

ES 026 — BUSINESS ENGAGEMENT WORKSHOP
Co-requisite: ES 022
A writing-intensive course in which students expand upon the skills taught in the co-requisite ES 022. The course focuses on organization, paragraph structure, and paragraph development, and includes one-on-one teacher-student interaction, collaborative learning activities, and small-group work.
0 CREDITS; 2 LABORATORY HOURS PER WEEK

ES 027 — ENGLISH CONVERSATION
For intermediate and advanced students for whom English is a second language and who need to improve their oral communication skills. Provides practice in using and understanding spoken English. May be required for students who have completed ES 123 but need additional instruction in speaking and listening.
0 CREDITS; 2 HOURS PER WEEK

ES 028 — ORAL PRESENTATION SKILLS WORKSHOP FOR ESL STUDENTS
This course in oral presentation skills for intermediate English as a second language (ESL) students focuses on the fundamental skills needed to present work verbally to an audience. Through practice in preparing and giving oral presentations in a structured setting, students develop strategies in both verbal and nonverbal communications skills in order to present ideas in an effective and clear manner.
0 CREDITS; 2.5 LABORATORY HOURS PER WEEK

ES 032 — INTRODUCTORY EDUCATIONAL SKILLS
With intensive work in writing, reading, and study skills, this course is designed to help students meet college-level academic standards.
0 CREDITS; 4 LABORATORY HOURS PER WEEK

ES 033 — COLLEGE ENGLISH PREPARATION WORKSHOP
Co-requisite: ES 133
A writing-intensive course in which students expand upon the skills taught in the co-requisite ES 133. Sessions consist of small-group and individual work.
0 CREDITS; 3 LABORATORY HOURS PER WEEK

ES 034 — EDUCATIONAL SKILLS
Co-requisite: EN 121
For students who have taken ES 032 and/or ES 033/133 and who are required to take additional instruction in reading and writing.
0 CREDITS; 2 LABORATORY HOURS PER WEEK

ES 036 — BUSINESS WRITING WORKSHOP
Prerequisites: EN 121 or equivalent, and one college-level English or speech course
Co-requisite: EN 321
For students enrolled in EN 321 who are required to take additional instruction in writing. The course focuses on grammar, sentence structure, and paragraph development, and includes one-on-one teacher-student interaction, collaborative learning activities, and small-group work.
0 CREDITS; 1 LECTURE AND 1 LABORATORY HOURS PER WEEK

ES 123 — ENGLISH AS A SECOND LANGUAGE
Co-requisite: ES 023
For students who need to improve their skills in English as a second language. Instruction is given in reading and writing English, with some practice in listening and speaking. Students must register simultaneously in the corresponding section of ES 023. More than one semester of ES 023/123 may be needed. Additional instruction (ES 024, ES 025, ES 027, ES 028) may be required after ES 023/123.
2 CREDITS

ES 133 — COLLEGE ENGLISH PREPARATION
Co-requisite: ES 033
A writing-intensive course focusing on the stages of the writing process and on strategies to enhance reading comprehension and study skills. Topics include grammar, paragraph structure, and essay development. Students must register simultaneously in the corresponding section of ES 033. Additional instruction (ES 034) may be required.
2 CREDITS
FA 101 — PAINTING
For students not majoring in Fine Arts. Through observation of still life and the figure, students are introduced to the use of oil or acrylic paint. Students develop color-mixing techniques emphasizing varied approaches to the use of paint. (G6: Arts)
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FA 102 — PAINTING
Prerequisite: FA 101 (waived for Visual Presentation and Exhibition Design students)
For students not majoring in Fine Arts. Continuation of painting from still life and the figure with advanced painting techniques such as underpainting, glazing, and a la prima. (G6: Arts)
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FA 103 — PAINTING
For students not majoring in Fine Arts. Abstract painting explored through design, color, and composition. Experimentation with materials is encouraged. Painting medium is open. Any level of experience. (G6: Arts)
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FA 104 — SCULPTURE: BASIC
For students not majoring in Fine Arts. Introduces the basic principles of sculpture and relief through the figure and other references. Clay and plasteline are used, and basic casting techniques are introduced. (G6: Arts)
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FA 105 — LIFE DRAWING
For Fashion Design and Menswear students. Focus on figure drawing, stressing line, gesture, and composition. Study of proportion and anatomy of the human figure is undertaken. (G6: Arts)
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FA 106 — PRINTMAKING: BASIC
For students not majoring in Fine Arts. Fundamental procedures in relief and intaglio printing are studied, using linoleum, woodcuts, and etching techniques. Students are introduced to basic printmaking processes, with an emphasis on exploring printmaking as a medium. Some drawing experience helpful.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

FA 107 — BASIC DESIGN
For Fashion Design, Jewelry Design, and Menswear students. Exploration of fundamental concepts of two-dimensional design. Line, shape, texture, rhythm, and color are emphasized, with an introduction to three-dimensional design. (G6: Arts)
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FA 108 — BASIC DRAWING
For Photography majors. Students are introduced to drawing in black and white. Line, volume, composition, and perspective are taught through observation of still life and interiors. (G6: Arts)
1 CREDIT; 2 STUDIO HOURS PER WEEK

FA 109 — PORTRAIT AND FIGURE PAINTING
Prerequisite: FA 101
For students not majoring in Fine Arts. Students paint the portrait and the figure from an objective point of view, utilizing fundamental approaches. Initial studies are in charcoal and culminate in finished paintings of the head and figure. Oil or acrylic paint is used.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FA 113 — FUNDAMENTALS OF DESIGN I: 2D AND COLOR
Students explore the principles of two-dimensional design and color for the designer and fine artist, including the study of line, shape, positive and negative space, texture, and composition.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FA 114 — FUNDAMENTALS OF DESIGN II: 3D FORM AND STRUCTURE
The concepts basic to all three-dimensional design are studied: definition of space through the use of line, planes, and solid forms; manipulation of mass, volume, and void; the use of structural systems; the relationship of surface and color to form; and the importance of proportion and scale, light, and shadow.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FA 116 — CREATIVE MEDIA
Using a wide variety of materials and design concepts, this course offers an opportunity for students to explore different approaches in creating non-traditional works of art. Emphasis is on enlarging student’s capacity for imaginative expression in two- and three-dimensional projects.
(G6: Arts)
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

FA 117 — TRADITIONAL TECHNIQUES IN THE FINE ARTS
This course develops students’ insight into the techniques of masterworks in art history. The course combines lecture, demonstrations, visits to museums, and hands-on work in the studio. Students study and create works using such techniques as wet and dry media, ink and silverpoint, and encaustic, tempera, and oil painting.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

FA 131 — LIFE DRAWING I
An introduction to drawing the figure. Students study line, proportion, gesture, and composition using pencil and charcoal. Study of anatomy is introduced. (G6: Arts)
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FA 132 — LIFE DRAWING II
Prerequisite: FA 131
This course continues the study of the figure, with focus on a more sophisticated use of materials and the study of anatomy. (G6: Arts)
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FA 141 — DRAWING I
This course introduces drawing with an emphasis on developing perceptual skills. Line, value, placement, and perspective with still life and interiors as subjects are studied. Black-and-white materials are used. (G6: Arts)
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FA 142 — DRAWING II
Prerequisite: FA 141 (waived for Interior Design students who have taken CD 113)
A continuation of Drawing I, this course emphasizes compositional concepts using still life, interiors, and the figure. A variety of media, including ink wash, and color are used. (G6: Arts)
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FA 151 — PAINTING I
An introduction to the use of oil paint, this course uses a perceptual approach to still life and the figure. Color mixing, paint application, and compositional strategies are emphasized.
3 CREDITS; 6 STUDIO HOURS PER WEEK
FA 152 — PAINTING II  
Prerequisite: FA 151  
This course is a continuation of Painting I, focusing on the figure, with further exploration of painting techniques and continued emphasis on drawing, composition, and color.  
3 CREDITS; 6 STUDIO HOURS PER WEEK

FA 153 — WATERCOLOR AND ITS APPLICATIONS  
The basic principles of watercolor technique are introduced. Students gain knowledge of color mixing and perception by direct observation and study of color theory as it pertains to watercolor, both transparent and opaque. Museum visits provide the opportunity to examine artists‘ uses and applications of various techniques.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FA 161 — SCULPTURE I  
This basic course emphasizes traditional sculpture skills with the head and full figure as the subject. Clay is the medium. Basic casting techniques are introduced.  
3 CREDITS; 6 STUDIO HOURS PER WEEK

FA 171 — PRINTMAKING I  
Stressing the expression of imaging unique to printmaking, students are introduced to basic printmaking processes, with an emphasis on exploring printmaking as a medium. Relief (woodcut, lino cut), intaglio (etching on metal or plastic), and monotype techniques are explored. Hand tools, edition printing, artists‘ proofs, and press operation are discussed.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FA 172 — PRINTMAKING II  
Prerequisite: FA 171  
A continuation of Printmaking I, this course studies more advanced printmaking techniques, including color, paper, and metal plate lithography, resulting in the development of a portfolio or artist’s book.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FA 202 — BASIC DESIGN: 3D  
For students not majoring in Fine Arts, this course is an introduction to the vocabulary of form in space and encourages inventiveness in concept and use of materials. (G6: Arts)  
1 CREDIT; 2 STUDIO HOURS PER WEEK

FA 231 — LIFE DRAWING III  
Prerequisite: FA 132  
A study of the human figure, this course introduces the use of color, experiments with scale and materials, and further develops compositional strategies.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FA 232 — LIFE DRAWING IV  
Prerequisite: FA 231  
A continuation of Life Drawing III, this course emphasizes sustained drawings using mixed media and the development of a more complex relationship between the figure and space.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FA 251 — ABSTRACT PAINTING I  
Prerequisite: FA 152  
Students are introduced to the tradition of abstraction. Projects emphasize color, composition, and experimentation with paint application in a non-objective context.  
3 CREDITS; 6 STUDIO HOURS PER WEEK

FA 252 — FIGURATIVE PAINTING I  
Prerequisite: FA 152  
Students explore painting from a representational viewpoint (portrait, figure, and/or landscape).  
3 CREDITS; 6 STUDIO HOURS PER WEEK

FA 253 — ABSTRACT PAINTING II  
Prerequisite: FA 251  
A continuation of Abstract Painting I with an emphasis on developing a personal style.  
3 CREDITS; 6 STUDIO HOURS PER WEEK

FA 254 — FIGURATIVE PAINTING II  
Prerequisite: FA 252  
A continuation of Figurative Painting I. Students are encouraged to develop a personal style in their preparation of work for exhibition.  
3 CREDITS; 6 STUDIO HOURS PER WEEK

FA 261 — SCULPTURE II  
Prerequisite: FA 161  
This course is a continuation of Sculpture I with emphasis on the use of new materials and methods.  
3 CREDITS; 6 STUDIO HOURS PER WEEK

FA 299 — INDEPENDENT STUDY IN FINE ARTS  
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean  
VARIABLE CREDITS (3 CREDITS MAXIMUM)

FA 301 — ANATOMY FOR TOY DESIGNERS  
For Toy Design students. Students learn the basic human bone and muscle structure and compare it to the anatomies of other living forms in order to nurture creativity and invention.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FA 341 — DRAWING WORKSHOP/EXPERIMENTAL DRAWINGS  
Prerequisites: FA 142 and FA 232 or equivalent  
Co-requisite: FA 351  
Experimenting with material, scale, imagery, and process, students integrate observation, imagination-invention, abstraction, and conceptualization into their working methods. Through the drawing process, students develop their perception of visual components and their relationships in the physical world.  
1 CREDIT; 2 STUDIO HOURS PER WEEK

FA 351 — PAINTING III: CONTEMPORARY CONCEPTS  
Prerequisite: FA 252 or equivalent  
This course explores the postmodern idea that imagery may be combined with abstraction to construct pictorial space. Students study the use of the figure in a perceptual context and as an element in a narrative construct.  
3 CREDITS; 6 STUDIO HOURS PER WEEK

FA 352 — PAINTING IV: SOURCES OF PAINTED IMAGERY  
Prerequisite: FA 351  
Students develop their own vocabulary by learning to assimilate multiple sources of information and processes to meet their own creative needs. Art of other cultures, technology, personal psychology, and popular cultures provide resources for their work.  
3 CREDITS; 6 STUDIO HOURS PER WEEK
FA 361 — SCULPTURE III: ADVANCED TRADITIONAL MATERIALS  
Prerequisite: FA 261 or equivalent  
The study of figurative sculpture in abstract or realistic modes continues using such materials as wax, plaster, stone, wood, and clay. Concepts include fragmentation and/or large-scale execution of the subject.  
3 CREDITS; 6 STUDIO HOURS PER WEEK

FA 363 — SCULPTURE: CASTING AS A CREATIVE MEDIUM (FORMERLY FA 461)  
Prerequisite: FA 361  
Mold-making and casting as methods of reproduction, a way to transfer work into other materials, and a medium of sculptural expression are studied. Students research the use of traditional and nontraditional materials and produce finished works of art using the methods of mold-making and casting. A commercial casting operation is observed.  
3 CREDITS; 6 STUDIO HOURS PER WEEK

FA 371 — PRINTMAKING III: LITHOGRAPHY  
Prerequisite: FA 172  
Co-requisite: FA 351  
Projects in lithography, relief, intaglio, stencil, collagraph, and the monotype are undertaken to explore both traditional and contemporary ideas in visual expression.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FA 411 — ART AND TECHNOLOGY  
Prerequisite: FA 451  
Exploring the use of technology in art, students break traditional boundaries that have defined the disciplines of painting, photography, sculpture, and printmaking in order to create multimedia work.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FA 451 — PAINTING V: DEVELOPMENT OF PERSONAL AESTHETICS  
Prerequisite: FA 352  
Students focus on an area of aesthetic or cultural concern in a series of paintings and sketches to develop conceptual consistency while also exploring differences among individual works.  
3 CREDITS; 6 STUDIO HOURS PER WEEK

FA 462 — SCULPTURE: NEW MATERIALS (FORMERLY FA 362)  
Prerequisite: FA 363  
The exploration of sculpture continues with a focus on how the choice of materials communicates artistic voice and sensibilities. Students are introduced to the concept of public art and site-specific works.  
3 CREDITS; 6 STUDIO HOURS PER WEEK

FA 471 — PRINTMAKING IV: PHOTO PROCESS  
Prerequisite: FA 371  
Advanced photo techniques in printmaking are studied. Students explore new ideas and printmaking formats by using photosensitized plates in methods of lithography, etching, and relief printmaking. Contemporary issues of content in printmaking technology are dealt with.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FA 491 — SENIOR PROJECT THESIS: PAINTING  
Prerequisite: FA 451  
Under faculty supervision, students produce a coherent body of work in painting or related disciplines and write and present a paper addressing the developmental process and aesthetic concerns of the work. This capstone project represents the culmination of the students’ studies.  
3 CREDITS; 6 STUDIO HOURS PER WEEK

FA 492 — SENIOR PROJECT THESIS: SCULPTURE  
Prerequisite: FA 461  
Students pursue individual work supervised by faculty, producing a coherent body of work in sculpture or related disciplines that represent a culmination of their studies. In this capstone course, they present a paper which addresses the developmental process and the aesthetic concerns of the work.  
3 CREDITS; 6 STUDIO HOURS PER WEEK

FA 499 — INDEPENDENT STUDY IN FINE ARTS  
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean  
VARIABLE CREDITS (3 CREDITS MAXIMUM)

Fashion Design—Apparel (See also AF, AP, AR, DP, FF, TL)

FD 111 — DRAPING I: FUNDAMENTALS  
Prerequisite or co-requisite: FD 131 for evening/weekend students only  
An introduction to the basic principles of draping. Students learn fundamental draping procedures, including the importance of grain, balance, and structure of a garment, and their application to current trends. Tools and materials essential for professional results are demonstrated and applied.  
3 CREDITS; 6 STUDIO HOURS PER WEEK

FD 112 — DRAPING II: CONSTRUCTED SILHOUETTES  
Prerequisite: FD 111  
This course enables students to execute jacket styles utilizing advanced draping techniques. Students learn to develop draped patterns for jacket styles that include mounted and semi-mounted sleeves, and various collar and pocket styles. The course also explores how to incorporate tailoring details to enhance garment designs.  
3 CREDITS; 6 STUDIO HOURS PER WEEK

FD 113 — APPAREL DESIGN: STRUCTURED SILHOUETTES  
Students learn the principles of draping as a method of designing original garments in three-dimensional form. Draping techniques and construction skills are developed for more advanced structured garments along with an understanding of silhouette, proportion and current style trends.  
4 CREDITS; 8 STUDIO HOURS PER WEEK

FD 114 — APPAREL DESIGN: SOFT SILHOUETTES  
Students learn to drape soft silhouettes using muslin and soft fabrics. Creative designs are explored, from basic to classic to complex shapes. An original garment is designed and executed in fabric.  
3 CREDITS; 6 STUDIO HOURS PER WEEK

FD 121 — FLAT PATTERN DESIGN I  
An introduction to the principles of the flat pattern method and its use in executing design ideas. Students experiment with slash and spread and pivot techniques on basic slopers to develop original designs. The relationship between draping on a three-dimensional form and flat pattern methods is emphasized.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FD 131 — SEWING TECHNIQUES I  
Students learn the basic professional techniques used in the construction of designers’ sample garments. Sewing techniques—including cutting, construction, and finishing—are explored, using industrial equipment to create sample garments in cotton or cotton-type fabrics.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK
FD 132 — SEWING TECHNIQUES II
Prerequisite: FD 131
Builds upon skills learned in Sewing Techniques I. Students learn new and more complex design
room construction, and develop advanced techniques currently used in the fashion industry.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FD 211 — DRAPING III: SOFT SILHOUETTES
Prerequisite: FD 112
This course involves creative draping techniques with emphasis on soft silhouettes and structure
in design. Introduction to dolman sleeve styles, cowls, pants, and cut-and-sew knits are included.
The variations in style expand students’ creative, critical thinking, and technical skills into different
areas of design, while draping in fabric.
3 CREDITS; 6 STUDIO HOURS PER WEEK

FD 212 — DRAPING IV: ADVANCED TECHNIQUES
Prerequisite: (FD 113 and FD 114) or FD 211
This course further develops technical and creative skills in apparel design. Advanced draping
projects enable students to explore design through a variety of fabrication, draping, and
construction techniques. Students also learn how design resources and presentation skills
can help them articulate their ideas.
3 CREDITS; 6 STUDIO HOURS PER WEEK

FD 221 — FLAT PATTERN DESIGN II
Prerequisite: FD 121
This course allows students to proceed from the study and application of the basic principles
of patternmaking to a more comprehensive view of design within flat pattern methods and
principles. Basic torso slopers are developed with the sleeve and are combined to form the
kimono/dolman sloper.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FD 231 — HAUTE COUTURE SEWING TECHNIQUES
Co-requisite: FD 232
This course introduces students to the finest sewing techniques practiced in couture workrooms
and provides the basis for understanding haute couture. Students learn techniques in cutting,
hand stitching, seam and hem finishes, pocket construction, pressing, and finishing.
2 CREDITS; 4 STUDIO HOURS PER WEEK

FD 232 — HAUTE COUTURE DECORATIVE TECHNIQUES AND EMBELLISHMENTS
Co-requisite: FD 231
Expands knowledge of the couture by exploring various decorative techniques. Students learn
how to hand bead as well as apply roccailles, sequins, pearls, and faux gems on different types of
fabrics. In addition, students create embellishments from ribbons and fabric; hand embroider
original designs; and learn techniques in quilting, pleating, and trapunto.
2 CREDITS; 4 STUDIO HOURS PER WEEK

FD 241 — APPAREL PRODUCT DATA MANAGEMENT
Introduction to product data management. Students learn to facilitate the communication and
coordination of pre-product development tasks by linking design, engineering, costing, and
manufacturing information through a centralized database of product-related information.
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK

FD 281 — CORSETRY IN FASHION I
Prerequisite: DP 112 or FD 112 or AP 111
Students study the history of corsetry from the 1600s to the 1850s and learn how the body is
manipulated to create a fashion silhouette. Through museum visits and online market research,
students analyze the differences between corsetry and class draping and develop technical
patterns to create period corsets using traditional construction techniques.
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

FD 282 — CORSETRY IN FASHION II
Prerequisite: FD 281 or approval of chairperson
Students explore the history of corsetry from 1850 to the present, and the interpretation of
structured undergarments in contemporary fashion trends. Further developing the technical skills
learned in FD 281, students create a period corset and design a contemporary corset and garment.
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

FD 321 — COMPUTERIZED PATTERN DESIGN
This course builds on students’ patternmaking skills and enables them to advance to a more
comprehensive study of design using computerized patternmaking methods and principles.
Students learn the operation of the System Management and PDS (Pattern Design System)
computerized flat-pattern design and technical illustration programs.
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK

FD 341 — DESIGN WITH HIGH-TECH FABRICS
Students examine the relationship between high-tech fabrics and contemporary sportswear,
outwear, and performance design. The course concentrates on the qualities and functions of
high-tech fabrics and their adaptability for specific functions or fashion looks. Students also learn
the special construction techniques and machines needed for these fabrics.
1.5 CREDITS; 1 LECTURE AND 1 STUDIO HOUR PER WEEK

FD 351 — BODY CONTOUR
This course introduces students to the design, merchandising, and manufacturing of body
contouring designs in stretch fabrics. Students incorporate market and textile research to drape
and flat pattern original designs, and execute the construction using appropriate construction
techniques.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FD 352 — KNITWEAR DESIGN: FLAT PATTERN DESIGN & SEWING
Students learn standard flat pattern design and sewing practices of the knitwear industry,
including industrial methods of measuring, fitting, and finishing, in order to develop original
knitwear designs through market research. Fabrics for the term project are produced in FD 353.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FD 353 — KNITWEAR DESIGN: MACHINE KNITTING
An introduction to the hand knitting machine as a tool for designing knitted fabrics and garments.
Students learn the design aspects of fabric structure, stitch patterns, and textured yarns and
colors in order to create new fabric designs in jersey structures. Original fabrics are created for
use in FD 352.
2 CREDITS; 4 LABORATORY HOURS PER WEEK

FD 354 — KNITWEAR DESIGN: DRAPING, ADVANCED SEWING, AND FLAT PATTERN DESIGN
Prerequisite: FD 352
Students design and develop a line of fine gauge knitwear and sweater weight garments using
industry methods of draping, advanced sewing, and flat pattern design.
1.5 CREDITS; 3 LABORATORY HOURS PER WEEK
FD 355 — PRIMAVISION I
Students gain a working knowledge of technical line development and execution through the study and use of the proprietary software program Primavision, by Lectra Systems. Emphasis is on specs and construction details dealing with both woven and knit fabric development.
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK

FD 356 — SEAMLESS KNIT DESIGN: STOLL M1
Prerequisites: FD 352 and FD 353
Students create a knitwear program through the study and use of the proprietary software Stoll M1 CAD system. Emphasis is placed on the construction of knit fabrics in single and double bed. 2 CREDITS; 4 LABORATORY HOURS PER WEEK

FD 361 — INTRODUCTION TO CHILDREN’S WEAR
Introduces students to the children’s wear market. Students study the differences between children’s wear and adult clothing, and explore the issues that need to be addressed when designing clothing for children, including sizing, government safety standards, and the psychological implications of child development on design. Students design a collection using appropriate design concepts.
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

FD 362 — ACTIVE SPORT DESIGN
Requirements and principles of movement in specific sports are discussed as they relate to the fit of active sports apparel. Students create designs based on the aesthetic and technical needs of the serious sports enthusiast.
2 CREDITS; 4 STUDIO HOURS PER WEEK

FD 363 — SWIMWEAR DESIGN
An introduction to swimwear design. Students gain a broad working knowledge of swimsuits and related apparel such as cover-ups and beach accessories. Original designs are produced using flat pattern and draping techniques, and industry specific construction methods and machinery.
2 CREDITS; 4 STUDIO HOURS PER WEEK

FD 364 — PERFORMANCE APPAREL DESIGN
Students study the creation of women’s performance apparel, which takes into account the principles of extreme movement and the aesthetic and technical needs of the serious outdoor sports enthusiast. Using their newly acquired knowledge of advanced new fibers, fabrics, and trim and performance construction techniques, students design performance apparel for a specific sport.
2 CREDITS; 4 LABORATORY HOURS PER WEEK

FD 371 — INTIMATE APPAREL SEWING TECHNIQUES
This course introduces students to the construction techniques involved in the development of intimate apparel products. Students create a prototype from a sloper, using professional sewing methods and application techniques.
2 CREDITS; 4 STUDIO HOURS PER WEEK

FD 372 — CONTROL SHAPEWEAR DESIGN
Co-requisite: FD 371
Students explore the design and construction techniques of control garment fitting prototypes. Through market research and demonstrations, students create original concepts and produce prototypes utilizing specialized construction methods.
2 CREDITS; 4 STUDIO HOURS PER WEEK

FD 373 — INTIMATE APPAREL LINE DEVELOPMENT
Students study the functions of intimate apparel marketing. Through industry research, students analyze market classifications, trend forecasting, and the entire process of merchandizing an intimate apparel product, from learning terminology to product development, pricing, and advertising.
1.5 CREDITS; 1 LECTURE AND 1 STUDIO HOUR PER WEEK

FD 374 — FLAT PATTERN DESIGN FOR SPECIAL OCCASION
Through lectures, demonstrations, and hands-on application, students learn to make patterns for after-five, evening, bridalwear and other special occasion dresses. Students develop their flat pattern making skills in order to create master slopers that interpret design sketches into three-dimensional forms.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FD 375 — TEXTILE LACE AND TECHNOLOGY I
Students learn about textile lace and embellishment technology and its relationship in the design, styling, and marketing of apparel products. Through lectures, field trips, market research, and construction demonstrations, students explore both the domestic and international textile market along with aesthetics, performance, and cost/price relationships.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FD 391 — CHILDREN’S WEAR LICENSING PRACTICUM
This course familiarizes students with all aspects of designing licensed children’s wear products. Students spend three hours per week for ten weeks at a children’s wear host company, and three hours per week for five weeks with an apparel faculty mentor.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FD 451 — KNITWEAR DESIGN: FULL FASHION AND POINTELLE
An introduction to full fashion knitting and the principles of pointelle design. Students use jersey and rib structures to create full fashion garments. Emphasis is placed on appropriate design solutions for full fashion garments and designing pointelle patterns.
2 CREDITS; 4 STUDIO HOURS PER WEEK

FD 452 — PRIMAVISION II
Prerequisite: FD 355
This course explores the industry procedures used to creatively design and technically develop knitwear lines using the Primavision TCX software. Students build on skills learned in FD 355, using the Primavision software as a cohesive tool to communicate and combine all phases of knitwear line development.
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK

FD 461 — TAILORING TECHNIQUES
This course enables students to elevate their basic sewing skills to an advanced level. Students learn to construct a jacket utilizing hand tailored methods. Through lectures and demonstrations, students evaluate different levels of quality garments to better understand construction and costing.
2 CREDITS; 4 STUDIO HOURS PER WEEK

FD 471 — FOUNDATION DESIGN
Co-requisite: FD 472
An introduction to foundation and undergarment design. Original designs are produced through flat pattern and draping, incorporating specialized sewing methods. Students research the undergarment fashion market and use historical and textile references to create original garments. Projects in this course coordinate with those in FD 472.
2 CREDITS; 4 STUDIO HOURS PER WEEK
FD 472 — FOUNDATION FITTING TECHNIQUES  
Co-requisite: FD 471  
An introduction to professional foundation fitting techniques as used in the intimate apparel industry. Students learn fitting on a foundation fit model using retail samples and garments of their own design. Through in-class visits and demonstrations by industry experts, students participate in fitting prototypes to explore proper proportion, fit, and comfort.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FD 473 — UNDERFASHION COMPUTER PATTERNMAKING/GRADING FOR DESIGN  
Prerequisites: FD 321 and FD 372  
Co-requisites: FD 471 and FD 472  
This course introduces students to computerized pattern design and grading techniques utilized by foundation designers and industry. Students gain an understanding of specific requirements for foundation pattern shaping and sizing by learning computer pattern development and sizing procedures.  
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK

FD 474 — BRIDAL DESIGN  
Prerequisites: FD 231, FD 232, and FD 374  
Students are introduced to the specialized field of bridal design. Through market research, students explore the differences in the areas of formal, semi-formal, and informal bridal apparel in the American and international markets. Students develop a collection of bridal designs and execute an original design using industry techniques.  
2 CREDITS; 4 STUDIO HOURS PER WEEK

FD 475 — LEATHER APPAREL DESIGN  
This course introduces students to the use of leather, suede, and other animal skins for women's apparel design. The course explores the application of design principles exclusive to designing apparel with leather skins. Students create designs through draping and flat pattern utilizing industrial methods.  
2 CREDITS; 4 STUDIO HOURS PER WEEK

FD 491 — SENIOR COLLECTION: CHILDREN'S WEAR  
Prerequisite: FF 393 or FF 394  
Students develop a senior collection of children's wear under the supervision of an instructor and an industry designer. This course builds upon the technical, creative, and industry knowledge acquired in prior semesters. Utilizing market research and forecasting services, students design and construct a mini-collection.  
3 CREDITS; 6 STUDIO HOURS PER WEEK

FD 493 — SENIOR COLLECTION: KNITWEAR DESIGN  
Prerequisite: FF 395  
Co-requisite: TS 366  
Students develop a senior collection of knitwear under the supervision of an instructor and an industry designer. This course builds upon the technical, creative, and industry knowledge acquired in prior semesters. Utilizing market research and forecasting services, students design and construct a mini-collection.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FD 494 — SENIOR COLLECTION: INTIMATE APPAREL  
Prerequisite: FF 396  
Students develop a senior collection of intimate apparel under the supervision of an instructor and an industry designer. This course builds upon the technical, creative, and industry knowledge acquired in prior semesters. Utilizing market research and forecasting services, students design and construct a mini-collection.  
3 CREDITS; 8 STUDIO HOURS PER WEEK

FD 495 — SENIOR COLLECTION: SPECIAL OCCASION  
Prerequisites: FF 391 and FF 397  
Students develop a senior collection of special occasion designs under the supervision of an instructor and an industry designer. This course builds upon the technical, creative, and industry knowledge acquired in prior semesters. Utilizing market research and forecasting services, students design and construct a mini-collection.  
3 CREDITS; 6 STUDIO HOURS PER WEEK

FD 496 — SENIOR COLLECTION: SPORTSWEAR/ACTIVE WEAR  
Prerequisite: FF 393 or FF 394  
Students develop a senior collection of sportswear/active wear under the supervision of an instructor and an industry designer. This course builds upon the technical, creative, and industry knowledge acquired in prior semesters. Utilizing market research and forecasting services, students design and construct a mini-collection.  
3 CREDITS; 6 STUDIO HOURS PER WEEK

Fashion Design–Art (See also AF, AP, AR, DP, FD, TL)

FF 111 — FASHION ART AND DESIGN I  
This course teaches students to understand, analyze, and draw the female fashion figure—front, turned, and back views. Students learn how to communicate their design ideas in a fashion sketch through garment details, silhouettes, and color theory. Acquiring skills in design development sketching enables them to create simple design groups.  
2 CREDITS; 4 STUDIO HOURS PER WEEK

FF 112 — FASHION ART AND DESIGN II  
Prerequisite: FF 111  
Students learn to explore the nature and hand of fabrics, and how to render different textures, weights, and patterns in their fashion designs. Students develop original designs through researching historical periods, current fashion styling, and color trends as they are applied in fashion design. Design journals, customer profiles, and various presentation formats are introduced.  
2 CREDITS; 4 LABORATORY HOURS PER WEEK

FF 113 — FASHION ART AND DESIGN FOR ONE-YEAR PROGRAM  
Students learn to sketch and render the contemporary fashion figure in order to create a fashion design collection. The course concentrates on proportion, fabric rendering, design details, garment silhouettes, and presentation techniques.  
5 CREDITS; 2 LECTURE AND 6 STUDIO HOURS PER WEEK

FF 114 — MODEL DRAWING I FOR FASHION DESIGNERS  
Students learn to draw fashion figure proportion, movement, silhouettes, and details from the fashion model in a variety of poses. Emphasis is placed on experimenting with various media and techniques to render the different characteristics of fabric.  
1 CREDIT; 2 STUDIO HOURS PER WEEK

FF 141 — INTRODUCTION TO COMPUTERIZED FASHION DESIGN  
This course introduces the basics of computer-aided design targeted specifically for the fashion industry. Using both bitmap and vector software, students learn techniques to conceptualize fashion designs and create industry-standard presentations.  
1 CREDIT; 2 COMPUTER LABORATORY HOURS PER WEEK
FF 211 — FASHION ART AND DESIGN III  
Prerequisite: FF 112  
Students prepare for their fourth-semester design collections by exploring the roles of research, design development, and editing in the fashion design process. Emphasis is placed on the application of design development to a variety of design groups in order to expand the students' knowledge of key fashion categories, markets, and price points.  
2 CREDITS; 4 STUDIO HOURS PER WEEK

FF 212 — FASHION ART AND DESIGN IV  
Prerequisite: FF 113 or FF 211  
This course enables students to understand the design process necessary for the execution of a design portfolio. Students create a design portfolio for two design seasons in their chosen area of study. An individual drawing style is developed along with suitable presentation techniques and formats.  
2 CREDITS; 4 STUDIO HOURS PER WEEK

FF 213 — MODEL VISUALIZATION TECHNIQUES  
Prerequisite: FF 113 or FF 211  
Students learn how to develop a quick and accurate methodology of fashion design sketching from models. The course provides ideas, inspiration, and a variety of techniques used to solve fashion design challenges.  
1 CREDIT; 2 STUDIO HOURS PER WEEK

FF 221 — FASHION PAST AND PRESENT  
Prerequisite: FF 112 or FF 113  
Slide lectures concentrating on Western fashion cover the ancient eras to the 20th century, emphasizing silhouettes, fabrics, garment details, construction, and accessories. Design projects for a variety of current markets are created with historic inspiration from the periods and cultures explored in the slide lectures, utilizing research from the library, museum, internet, and other sources.  
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

FF 241 — FASHION DESIGN COMPUTER: PHOTOSHOP  
Prerequisite: AR 101 or FF 111 or FF 113 or approval of Fashion Design-Art assistant chairperson  
Students learn the fundamental and advanced techniques specific to fashion design, using Adobe Photoshop. Course assignments focus on establishing fashion design principles through digital line design development techniques. Students develop increasingly advanced skills using the core software to produce coordinated fashion design presentations. The focus of each design project targets specific customers and categories.  
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK

FF 242 — FASHION DESIGN COMPUTER: ILLUSTRATOR  
Prerequisite: AR 213 or FF 141 or FF 241 or approval of Fashion Design-Art assistant chairperson  
Students learn the fundamental-to-intermediate level techniques specific to fashion design using Adobe Illustrator. The course covers all aspects of drawing, including working with images and color. Course assignments focus on establishing industry techniques and developing proficiency in creating fashion designs using Adobe Illustrator.  
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK

FF 243 — DIGITAL FLATS AND SPECS  
Prerequisites: FF 241 and (FF 141 or FF 242)  
Students learn to create garment specification sheets by integrating manual and digital skills. Digital design techniques and business practices are explored in order to create a presentation of a design collection.  
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK

FF 244 — DESIGN COLLECTIONS: VISUAL SOLUTIONS  
Prerequisite: FF 113 or FF 211  
Students develop design collection concepts for specific areas of the design market in a variety of presentation formats using digital and analog media. Using field trips, retail market research, and internet exploration as a springboard for design, students work with a guest critic from the fashion industry to create a design project for presentation.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FF 291 — FASHION PORTFOLIO COLLECTION  
This course enables the student to understand the design process necessary for the execution of a design portfolio, developing original ideas specialized in one area of the industry. Students analyze a target market and develop their own personal drawing and rendering style.  
2 CREDITS; 4 STUDIO HOURS PER WEEK

FF 321 — 20TH-CENTURY STYLE AND THE MODERN DESIGNER  
Prerequisite: FF 221 or approval of the Fashion Design-Art assistant chairperson  
A cultural history of 20th century women’s fashion in the Western world, and its influence on contemporary fashion. Students study fashion designers from the 1850s to the present day, and the political, social, and artistic influences on fashion. Primary research tools are explored as an inspiration for the students’ own fashion designs.  
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

FF 351 — KNITWEAR DESIGN I  
An introduction to knitwear design. Students study the knitting process, including yarns, stitches, patterns, and constructions, to create original design sketches specific to this market. Knit collections are completed in the following categories: performance and seamless knits, body-contouring intimates, cut-and-sew knits, and full fashion machine knits.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FF 352 — KNITWEAR DESIGN II  
Students study full-fashioned and cut-and-sew knit design collection in order to create projects designed to focus on current knitwear industry trends. Course assignments incorporate yarn and trend market research, design development, rendering and design sketching of knits, and flat sketching.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

FF 361 — CHILDREN’S WEAR DESIGN  
Students develop a proficiency in sketching children’s figures in the various age/size ranges of the children’s wear market. Design projects are created based on an analysis of the trends, design requirements and challenges of each age group of clothing, with emphasis on presentation, drawing, and rendering skills.  
2 CREDITS; 4 STUDIO HOURS PER WEEK

FF 362 — COMPUTERIZED CHILDREN’S WEAR DESIGN  
Prerequisite: FF 243  
Using Adobe software, students develop their digital drawing skills to create design sketches, graphics, and production artwork for the children’s wear market. From creating a digital flat to designing pattern repeats to final presentation boards, students learn the digital multitasking skills required in the fashion design industry.  
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK
**Courses**

**FF 371 — SHAPEWEAR AND FOUNDATION: ART**

*Co-requisite: FF 372*

This course introduces students to the intimate apparel control shapewear and body-containing markets. Students design and sketch original collections in these intimate apparel categories. As inspiration, students research the internet, fashion forecasting services, museums, and fabric and trim shows. Retail market research is a co-assignment with FD 373.

1.5 CREDITS; 3 STUDIO HOURS PER WEEK

**FF 372 — INTIMATE APPAREL CAD**

*Prerequisite: FF 243*

*Co-requisite: FF 371*

Students learn digital techniques for visually presenting design concepts using over-the-counter software. A special emphasis is placed on renderings of specialty fabrics, trims, and constructions appropriate to specific intimate apparel categories.

1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK

**FF 391 — BRIDAL DESIGN: PORTFOLIO**

Students create a coherent design portfolio for the bridal industry by researching target market studies, trend spotting, and analyzing the design philosophies of contemporary bridal designers. Students also develop a personal drawing style and learn to develop design concepts via the fashion sketch to create a design presentation appropriate to the focused market.

2 CREDITS; 4 STUDIO HOURS PER WEEK

**FF 392 — SWIM/ACTIVE SPORT PORTFOLIO**

Through the study of active sports and the principles of movement, students develop original design sketches for the serious and recreational athlete. As inspiration for portfolio collections, students conduct internet and in-store market research focusing on swim apparel and active sport product lines.

2 CREDITS; 4 STUDIO HOURS PER WEEK

**FF 393 — PORTFOLIO: SPORTSWEAR**

Students plan and illustrate original designs for a women’s or children’s sportswear portfolio. Consideration is given to current trends in the sportswear industry and the impact of communication technologies and economic realities of a global marketplace. Students work in an interdisciplinary environment with the option of developing their concepts in digital or manual formats.

2 CREDITS; 4 STUDIO HOURS PER WEEK

**FF 394 — PORTFOLIO: ACTIVE WEAR**

Students plan and illustrate original designs for an active and performance apparel design portfolio for both the women’s and children’s wear markets. Consideration is given to current trends in the industry, the impact of communication technologies, and the economic realities of a global marketplace. Students work in an interdisciplinary environment with the option of developing their concepts in digital or manual formats.

2 CREDITS; 4 STUDIO HOURS PER WEEK

**FF 395 — PORTFOLIO: KNITWEAR DESIGN**

Students plan and illustrate original designs for a knitwear design portfolio. Consideration is given to current trends and technologies in the knitwear industry. Students work in an interdisciplinary environment with the option of developing their concepts in digital or manual formats.

1.5 CREDITS; 3 STUDIO HOURS PER WEEK

**FF 396 — SENIOR PORTFOLIO: INTIMATE APPAREL**

This course introduces students to the specialized areas of the intimate apparel “soft” market. Through extensive research, students gain an understanding of the daywear, loungewear, leisurewear, and sleepwear markets. Students develop their original design sketches into a comprehensive portfolio.

1.5 CREDITS; 3 STUDIO HOURS PER WEEK

**FF 397 — SENIOR PORTFOLIO: SPECIAL OCCASION**

*Prerequisite: FF 391*

This course enables students to understand the design process necessary for the execution of a portfolio appropriate for the evening wear and special occasion market.

2 CREDITS; 4 STUDIO HOURS PER WEEK

**FF 398 — OUTERWEAR AND PERFORMANCE APPAREL DESIGN PORTFOLIO**

*Prerequisite: FF 243 or approval of Fashion Design-Art assistant chairperson*

Students become familiar with the current outerwear and performance apparel market. They forecast and track trends, and create product, storyboards, and spec sheets for various segments of the women’s outerwear and performance apparel industry. Sourcing trims such as hardware and closures are studied.

2 CREDITS; 4 LABORATORY HOURS PER WEEK

**FF 491 — INTERNSHIP**

An unsalaried, 12-week internship in the industry, scheduled individually for a minimum of ten hours per week. Integrates students’ design knowledge with field experience at a specific manufacturer with a company employee as a supervisor/mentor. The Internship Center assists the Fashion Design Department in placement.

2 CREDITS

**FF 492 — E-PORTFOLIO**

*Prerequisite: FF 393, FF 394, FF 395, FF 396, FF 397, or approval of Fashion Design-Art assistant chairperson*

Students explore various techniques for integrating existing hand-generated and digital artwork in electronic fashion design presentations. Emphasis is placed on understanding the architecture of the “e-portfolio,” critical thinking, consistency, and ordering of content. Students learn to create visual databases, catalogues, slide shows, and basic web pages.

1 CREDIT; 2 COMPUTER LABORATORY HOURS PER WEEK

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**Fashion Merchandising Management**

**FM 101 — SURVEY OF FASHION MERCHANDISING**

For students not majoring in Business and Technology programs. Explores the interrelationships between the consumer and the primary, secondary, retailing, and auxiliary segments of the fashion industry. Presents the characteristics, merchandising practices, and marketing strategies of fashion businesses.

3 CREDITS

**FM 114 — INTRODUCTION TO THE FASHION INDUSTRY**

This survey covers the history, characteristics, and global interrelationships of all segments of the fashion industry. The course explores how fiber, textile, and apparel producers, retailers, and home furnishings companies merchandise and market their products within the industry and to the ultimate consumer.

3 CREDITS
FM 116 — FASHION BUSINESS PRACTICES
A comprehensive introduction to the modern fashion business environment. The structures, finances, management, organization, and ethical responsibilities of fashion enterprises are examined in a global context.
3 CREDITS

FM 118 — CONSUMER MOTIVATION IN FASHION
Students learn demographic and psychographic information pertaining to consumer behavior and how it relates to the marketing of fashion. Discussions concentrate on consumer research, geographic distribution, income, education, leisure time, family structure, lifestyle, attitude, reference groups, and consumerism as influences.
3 CREDITS

FM 121 — MERCHANDISE PLANNING AND CONTROL
Prerequisite: passing grade on FMM math placement test or MA 005
Provides an understanding of the concepts and calculations necessary for successful merchandising and familiarizes students with the terminology of operating statements, retail method of inventory, planning seasonal purchases, methods of figuring markups, turnover, stock-sales ratios, open-to-buy, markdowns, and terms of sale.
3 CREDITS

FM 122 — FASHION MERCHANDISING: PRINCIPLES AND TECHNIQUES
Analyzes the buying function and the differences of buyers' responsibilities in various types of merchandising organizations. Studies the principles, procedures, and techniques practiced by merchandisers of fashion goods in determining what assortments to buy and which resources to select.
3 CREDITS

FM 144 — PRODUCT KNOWLEDGE FOR MERCHANDISING
Familiarizes students with the terminology and characteristics of merchandise of non-textile fashion accessories and home furnishings at all price levels. Enables retail buyers, product developers, and wholesale salespersons to differentiate criteria for price and quality.
3 CREDITS

FM 202 — THE MARKETING OF MENSWEAR
For Menswear students. Analysis of successful marketing practices of menswear manufacturers selling to all types of retail enterprises. Examines demographics, line development, production and distribution, and interrelationships in the menswear industry.
3 CREDITS

FM 212 — CASE STUDIES IN FASHION MARKETING
Prerequisites: AC 111, FM 114, FM 118, and FM 122
Through the case study method, analyze the decision-making process used to arrive at independent solutions to typical marketing problems. Student analyses and presentations of actual cases are evaluated for weighing of factual data, disciplined thinking, and arrival at rational conclusions.
3 CREDITS

FM 213 — INTRODUCTION TO DIRECT MARKETING
Prerequisites: AC 111 and FM 114
Presents a comprehensive overview of the direct marketing industry, including its various components and career opportunities. Through the use of case studies and/or assignments, students learn strategic planning: how to choose and merchandise a product, pinpoint a target audience, develop marketing tests, and analyze results. Students are also introduced to the various electronic vehicles currently used in this ever-changing industry.
3 CREDITS

FM 221 — WORKSHOP IN FASHION MERCHANDISING MANAGEMENT
Prerequisites: FM 121 and FM 122
Presents students with opportunities to apply knowledge gained in prior courses to make creative solutions for specific problems. Workshop projects such as a day spent with a merchant or the selection of merchandise from manufacturers' offerings aid in understanding the principles and procedures of successful fashion merchandising.
3 CREDITS

FM 222 — IMPORT BUYING
Prerequisite: FM 122
Analyzes 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.
3 CREDITS

FM 223 — CREATIVE FASHION PRESENTATIONS
Prerequisites: AC 111 and FM 114
Students prepare and present fashion information through clinics, shows, and written communications. They learn how to research, analyze, and forecast fashion trends. Awareness of career opportunities in the fashion industries is fostered.
3 CREDITS

FM 226 — INTERNATIONAL BUYING AND MARKETING
Prerequisite: approval of instructor
Students, under faculty supervision, visit principal European cities to study the factors involved in fashion marketing and the international customer's attitudes about fashion. Discussions involve methods, practices, and reasons for importation and exportation. Students are expected to complete written assignments.
3 CREDITS; APPROXIMATELY 21 DAYS IN JUNE

FM 231 — STRATEGIES OF SELLING
Principles of personal selling techniques, presentation skills, the art of persuasion, negotiating, and account building in the wholesale markets are developed through lectures and workshops.
3 CREDITS

FM 244 — PRODUCT DEVELOPMENT
Prerequisites: FM 122 and TS 111
Introduces the concepts and methods by which retailers create special, store-branded merchandise for targeted customer segments. The process of product development, from research to production to distribution, is studied.
3 CREDITS

FM 251 — SMALL STORE FASHION RETAILING
Prerequisites: FM 121 and FM 122
Enables students to understand the procedures of organizing a small fashion retail enterprise and to become aware of the decision-making inherent in successful small-store merchandising. Students develop a model for a small fashion retail store.
3 CREDITS

FM 262 — CONTEMPORARY RETAIL MANAGEMENT
Studies operational functions of retailing customer service, store credit, logistics, selling, staffing, and managing employees while exploring exciting careers in retail store management.
3 CREDITS
FM 268 — TEAM DEVELOPMENT WORKSHOP
Prerequisites: FM 114 and FM 116
Through individual and team role-playing and workshop activities, students learn the management skills needed in the international workplace. Communications skills, teamwork, and process management are stressed.
2.5 CREDITS

FM 301 — FASHION MERCHANDISING FOR APPAREL DESIGNERS
For baccalaureate-level Fashion Design students. Examines the merchandising concepts vital to successful business practices in the fashion industry. Issues contributing to the relationships and profitability of manufacturing and retailing are stressed.
3 CREDITS

FM 311 — WORKSHOP IN APPAREL MERCHANDISING
Prerequisites: FM 114, FM 118, FM 122, and FM 244
Hands-on workshops simulate the activities of a fashion merchandiser in overseeing the research, development, and presentation of a line for an apparel manufacturer. Emphasizes handling key accounts and the merchandiser’s relationship with design, production, and sales staff.
3 CREDITS

FM 322 — FASHION INVENTORY MANAGEMENT
Prerequisites: MG 303 or MG 306 for Fashion Merchandising Management students; MG 132, MG 152, or MG 153, and MG 251 for Production Management students
In computer simulations, students make decisions involving inventory models, inventory replenishment, and seasonal and long-term merchandising strategies. Students learn to manage a business by developing seasonal financial plans, creating store plans, and balancing multi-store inventories.
3 CREDITS; 2 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

FM 332 — MERCHANDISING FOR ELECTRONIC COMMERCE
Prerequisite: MG 303 or MG 306
A comprehensive study of the growing internet business and its dramatic impact on the retail industry is presented. Students learn about the effects of e-commerce on merchandising concepts and policies as well as pricing strategies.
3 CREDITS

FM 342 — BUSINESS OF LICENSING
Students examine the business aspects of licensing as they apply to the fashion industry, from licensing assignments through the merchandising approval process. Appropriate skills for negotiating and planning licensed product lines are developed. Business and career opportunities with manufacturers, retailers, product developers, and designers of licensed fashion merchandise are explored.
3 CREDITS

FM 352 — FINANCIAL ASSORTMENT AND PLANNING
Prerequisites: FM 121 and FM 122
Students learn financial and merchandise assortment planning using the Arthur Planning software. The course defines the buyer’s duties within a retail organization and teaches students how to develop a financial plan.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

FM 341 — COMPUTER-AIDED PRODUCT DEVELOPMENT I
Prerequisites: FM 114, FM 116, FM 121, FM 244, and (MG 152 or MG 153)
This is the first semester of a yearlong course that examines how technology is used to create, merchandise, and communicate during each phase of the product development process. Focuses on the creative phases of product development, including trend research; sourcing for color, silhouette, and patterns; and assortment planning. Students receive a “Y” grade after completion of course.
3 CREDITS; 2 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

FM 361 — MANAGEMENT FOR RETAILING
Prerequisite: FM 268
A comprehensive study of the role of the manager in today’s retail climate. Students learn the effect of an organization’s culture on the management process and how it is viewed from a global perspective. Decision-making, planning, structure, leadership, and defining control are also studied.
3 CREDITS

FM 362 — DYNAMICS OF STORE OPERATIONS MANAGEMENT
Examines specific careers in the retail industry through research of current industry trends and case studies associated with various retail store categories. The course features extensive roundtable discussions with industry executives, both in the classroom and on field visits.
3 CREDITS

FM 441 — COMPUTER-AIDED PRODUCT DEVELOPMENT II
Prerequisites: FM 341 and (MG 303 or MG 306)
This is the second semester of a yearlong course that applies web-based content and computer applications during product development. Students implement assembly and diagram details, specifications, cost sheets, etc., based on the creative content from FM 341. The grade for FM 441 is also applied to FM 341.
3 CREDITS; 2 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK
**FM 491 — SUMMER INTERNSHIP: FASHION MERCHANDISING IN LONDON**  
**Prerequisite:** approval of instructor  
A summer internship in a London-based merchandising company. Includes three 3-hour classes based at FIT prior to departure, as well as three seminars in London. Completion of daily journal, oral presentation, and written report are required. Applications must be submitted in the fall semester prior to acceptance into the program.  
3 CREDITS; A MINIMUM OF 120 HOURS FROM THE END OF MAY THROUGH JUNE

**FM 492 — INTERNATIONAL PRODUCT DEVELOPMENT INTERNSHIP: SUMMER**  
**Prerequisite:** FM 244  
An overseas summer internship designed to provide professional skills for career preparation in product development. Working with an international company, students develop their analytical skills and apply the principles learned in the classroom to a real-life situation.  
3 CREDITS; APPROXIMATELY 10 DAYS IN JULY

**FM 499 — INDEPENDENT STUDY: FMM**  
**Prerequisites:** a minimum 3.5 GPA and approval of instructor, chairperson, and dean  
VARIABLE CREDITS (3 CREDITS MAXIMUM)

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**French**

**FR 111 — FRENCH I**  
This introductory course enables students with no background in French to communicate with French-speaking people. The basic skills of speaking, reading, and writing in French are established and the cultures where French is spoken are introduced. Teacher-instructed multimedia laboratory sessions reinforce skills learned in the classroom. (G8: Foreign Language)  
3.5 CREDITS; 3 LECTURE AND 1 LABORATORY HOURS PER WEEK

**FR 112 — FRENCH II**  
**Prerequisite:** FR 111 or equivalent  
Students expand upon the skills established in French I and continue to study the cultures where French is spoken. Teacher-instructed multimedia laboratory sessions reinforce skills learned in the classroom. (G8: Foreign Language)  
3.5 CREDITS; 3 LECTURE AND 1 LABORATORY HOURS PER WEEK

**FR 122 — FRENCH CONVERSATION I**  
**Prerequisite:** FR 111 or equivalent  
Students learn to converse in French by interacting in real-life situations. Functional and practical verbal communications are addressed, with a focus on the cultures where French is spoken.  
3 CREDITS

**FR 132 — FRENCH IN PARIS**  
**Prerequisite:** FR 112 or equivalent  
Provides an opportunity for total immersion in French and for developing an awareness of the people, culture, and history of Paris and France. Continuation of the practice, development, and use of the basic spoken and written structures of contemporary French. Emphasis is placed on immediate active use of the language as an instrument of communication.  
3.5 CREDITS; 4 DAYS PER WEEK FOR 4 WEEKS IN JUNE

**FR 213 — FRENCH III**  
**Prerequisite:** FR 112 or equivalent  
This intermediate course is designed to review and refine students’ communication skills in French. Supplementary reading materials (including poetry, short stories, and magazine and newspaper articles), films, and videos further the students’ knowledge of the cultures where French is spoken. Teacher-instructed multimedia laboratory sessions reinforce skills learned in the classroom. (G8: Foreign Language)  
3.5 CREDITS; 3 LECTURE AND 1 LABORATORY HOURS PER WEEK

**FR 214 — FRENCH IV**  
**Prerequisite:** FR 213 or equivalent  
Building on French III, students refine their communication skills in French. More advanced supplementary reading materials (including poetry, short stories, and magazine and newspaper articles), films, and videos further the students’ knowledge of the cultures where French is spoken. Teacher-instructed multimedia laboratory sessions reinforce skills learned in the classroom. (G8: Foreign Language)  
3.5 CREDITS; 3 LECTURE AND 1 LABORATORY HOURS PER WEEK

**FR 223 — FRENCH CONVERSATION II**  
**Prerequisite:** FR 112 or equivalent  
Conversational ability in French is further developed and refined by emphasizing interaction in real-life situations. Advanced functional and practical verbal communications are addressed, with a focus on the cultures where French is spoken.  
3 CREDITS

**FR 315 — INTRODUCTION TO FRENCH LITERATURE**  
**Prerequisite:** FR 214 or equivalent  
Introduces students to the history of French literature from the Middle Ages to the 19th century. Examines major French authors in the genres of poetry, the novel, and theatre, and emphasizes literary analysis through discussion. Films, recordings, and other media are used to illuminate the works studied. Conducted entirely in French.  
3 CREDITS

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**Fabric Styling**

**FS 312 — RESEARCH TECHNIQUES**  
Students explore and use a wide range of research materials to develop new designs. Special focus is on historical reference in order to apply and adapt designs to current markets.  
1.5 CREDITS; 1 LECTURE AND 1 STUDIO HOUR PER WEEK

**FS 321 — FASHION KNIT DESIGN**  
Reviews various processes of knitting, including warp, raschel, and double knit. Stresses knit designing for today’s fashion needs in apparel.  
3 CREDITS; 2 LECTURE AND 2 STUDIO HOURS PER WEEK

**FS 331 — FABRIC STYLING I**  
Design concepts, fashion trends, and textile lines are developed for a wide range of markets. Focus is on developing cohesive, visually edited boards for specific areas. Oral presentation skills are developed at the conclusion of each project.  
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

**FS 334 — FABRIC STYLING I**  
Students are taught how to develop and communicate style concepts and fashion trends in leather. Special emphasis is on sources of inspiration, introduction to research, and production techniques for apparel and accessories in the men’s and women’s wear markets.  
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK
FS 341 — ROLE OF FABRICS IN FASHION: 1860 TO PRESENT
Significant concepts and developments in fabrics and fashion history are examined through a chronological study of innovations in fabrics and their uses by major designers. Knowledge of specific fabrics, designs, and designers is obtained by hands-on use of garments in The Museum at FIT’s collections.
3 CREDITS

FS 411 — FABRIC STYLING IN ITALY
Prerequisite: HA 112
Students learn how to conduct research, interpret visual materials, and develop forecasting skills through the on-location experience of Italian art, architecture, landscape, fashion, and design. By visiting museums, design studios, and textile mills, students learn about Italian culture and international perspectives, design resources, stores, and markets.
3 CREDITS; APPROXIMATELY THREE WEEKS IN JUNE

FS 424 — HOME FASHION DESIGN
Current lifestyle and fashion trends are analyzed to produce lines for domestics and bed and bath markets. The special needs of licensed designs are discussed. Attention is given to specific historical periods and relevant reference material.
3 CREDITS; 6 LABORATORY HOURS PER WEEK

FS 431 — FABRIC STYLING II
Prerequisite: FS 331
Students continue the development of fabrics and/or product lines begun in FS 331, with emphasis on specific marketing and design criteria.
2 CREDITS; 4 LABORATORY HOURS PER WEEK

FS 432 — CAD FOR WOVEN AND PRINT STYLING
Using CAD programs with weave libraries, students create original woven patterns. Plaids, stripes, and coordinated designs are presented as collections in a storyboard format.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

FS 433 — DIGITAL PRESENTATION FOR THE FABRIC STYLIST
Prerequisite: TO 312 or approval of instructor
Students use market direction, color forecasts, style information, and national and international trends in order to develop presentations delivered in a digital interactive format. Video, sound, digital photography, annotation, and animation are integrated into a final project.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

FS 435 — COLOR COMBINATIONS AND REPEATS
The development and execution of original design ideas are accomplished. Students concentrate on the use of gouache, transfer techniques, repeats, and color combinations. Current fashion trends are analyzed in the design process.
3 CREDITS; 8 LABORATORY HOURS PER WEEK

FS 436 — PROFESSIONAL PRESENTATION
Students prepare a trend and color forecast, as well as design invitations for their final portfolio show presented to industry members. Individual portfolios are developed and presented at that time.
1.5 CREDITS; 3 LABORATORY HOURS PER WEEK

FS 491 — INTERNSHIP
A 14-week internship in industry, scheduled individually for a minimum of six hours per week. Completion of a daily journal, a written report on the internship experience, and a portfolio of work (where applicable) is required.
2 CREDITS

FS 499 — INDEPENDENT STUDY IN FABRIC STYLING
Prerequisites: a minimum 3.5 GPA and approval of instructor, coordinator, and dean
For eighth-semester Fabric Styling students. A plan must be submitted to the Fabric Styling coordinator a semester before the class is taken.
VARIABLE CREDITS (3 CREDITS MAXIMUM)

Graphic Design

GD 214 — THE CORPORATE IMAGE
Prerequisite: CD 112
Co-requisite: CD 271
Students develop corporate identity logos with emphasis on exploring creative solutions that define a corporation’s image. Logo application is extended to a complete corporate business system and finished to presentation form.
3 CREDITS; 6 STUDIO HOURS PER WEEK

GD 232 — SURVEY OF GRAPHIC DESIGN
Traces the development of modern graphic design. Significant stylistic trends and influences are analyzed and compared. The processes used by major designers to realize design solutions are examined. The people, processes, and products involved in the development of modern graphic design are explored.
3 CREDITS

GD 235 — SURVEY OF GRAPHIC DESIGN
For one-year AAS Communication Design students. Surveys visual communication from its earliest forms to its present visualized conceptions. Emphasizes links between society and the evolution of visual communication. Analyzes and compares major stylistic trends and influences.
2 CREDITS

GD 243 — WEBSITE DESIGN AND PRODUCTION
Co-requisite: CD 251
Students design and produce their own websites using computer markup languages. Emphasis is placed on the understanding of the fundamentals of web design, including XHTML, CSS, and animation.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

GD 311 — GRAPHIC DESIGN I
Prerequisites: CD 271 and GD 214
In this comprehensive approach to the study of graphic communication, students develop an understanding of the inventive potential of form and message to create a visual language by analyzing, researching, and organizing information. (G6: Arts)
3 CREDITS; 6 STUDIO HOURS PER WEEK

GD 312 — GRAPHIC DESIGN II
Prerequisites: CD 371 and GD 311
Students examine the analytical process used in visual problem solving, and how to use it as a tool for the communication of information in graphic design. (G6: Arts)
3 CREDITS; 6 STUDIO HOURS PER WEEK

GD 342 — PUBLICATION DESIGN
Prerequisites: CD 271, CD 322, and GD 214
The conceptual and technical abilities required to design magazines and other publications are emphasized. Students learn the impact of marketing objectives, research, and technology on publication design.
3 CREDITS; 6 STUDIO HOURS PER WEEK
### History of Art and Civilization

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisites</th>
<th>Credits</th>
<th>Hours Per Week</th>
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### Graphic Design

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**Courses**

214 Courses

215 Courses
HA 224 — PRE-COLUMBIAN ART AND CIVILIZATION
Surveys civilizations of Latin America prior to the arrival of Columbus. Illustrated lectures focus on art, architecture, and performance in relation to economic conditions, history, and religion. (G7: Humanities; G9: Other World Civilizations)
3 CREDITS

HA 225 — ART AND CIVILIZATION OF INDIA
Introduces major characteristics of the Indian civilization through a survey of its traditions of art and architecture. Illustrated lectures survey artistic tradition in relation to historical, religious, and social aspects of this civilization. (G7: Humanities; G9: Other World Civilizations)
3 CREDITS

HA 226 — ART AND CIVILIZATION OF THE ISLAMIC WORLD
This course examines the art and civilization of the Islamic world, from the birth of Islam in the seventh century AD to the present. Students are introduced to the spiritual, philosophical, and sociopolitical factors that led to the formation of this multiethnic style. (G7: Humanities; G9: Other World Civilizations)
3 CREDITS

HA 227 — ARCHAEOLOGICAL EXCAVATION IN ISRAEL
Prerequisite: HA 111 or HA 121, or approval of instructor
Excavate an archaeological site in Israel and learn archaeological methods “on the job.” Attend illustrated lectures three evenings a week, learning about the history, archaeology, and art of the eastern Mediterranean. Travel to Jerusalem and other sites, independently or on organized field trips. (G9: Other World Civilizations)
3 CREDITS

HA 231 — MODERN ART
Prerequisite: HA 112
Presents the history of Western art from the 19th century through the mid-20th century in the context of cultural history. (G7: Humanities)
3 CREDITS

HA 299 — INDEPENDENT STUDY IN HISTORY OF ART AND CIVILIZATION
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

HA 311 — MEDIEVAL ART
Prerequisite: HA 111 or HA 112, or approval of chairperson
Presents the history of Western art and civilization from the fall of Rome to the Renaissance. Illustrated lectures present architecture, painting, and sculpture in relation to pertinent religious, economic, and social conditions. (G5: Western Civilization; G7: Humanities)
3 CREDITS

HA 312 — WOMEN IN WESTERN ART FROM THE LATE 18TH CENTURY TO THE PRESENT
Prerequisite: HA 231
Students examine the role of women as creators and, to a lesser extent, subjects of art from the 18th through the 20th centuries. This course focuses on the contributions of selected women artists and touches on issues related to the depiction of women in Western art. (G7: Humanities)
3 CREDITS

HA 314 — HISTORY OF AMERICAN ART
Prerequisite: HA 112 or equivalent, or approval of chairperson
A history of art in America from the early colonial period to the early 20th century. Illustrated lectures present painting, sculpture, and architecture in relation to pertinent religious, political, economic, and social conditions. (G7: Humanities; G10: American History)
3 CREDITS

HA 315 — CONTEMPORARY ART AND CULTURE: 1945 TO THE PRESENT
Prerequisite: HA 231 or approval of chairperson
Presents the recent history of Western art and culture. Illustrated lectures present artistic developments in relation to pertinent ideas and events in contemporary culture. (G7: Humanities)
3 CREDITS

HA 322 — MODERN ARCHITECTURE
Prerequisite: HA 112
Traces the development of architecture in Europe and the United States in the 19th and 20th centuries. Illustrated lectures present architectural developments in relation to pertinent ideas, events, and technological innovations. (G7: Humanities)
3 CREDITS

HA 332 — HISTORY OF TEXTILE DESIGN
Prerequisites: two semesters of History of Art and Civilization
Illustrated lectures survey patterned textile design throughout the world from antiquity to the mid-20th century. (G7: Humanities)
3 CREDITS

HA 333 — HISTORY OF PHOTOGRAPHY
A history of photography from its beginnings to the present day. Illustrated lectures present a chronological survey that focuses on photographers, technical advancements, and aesthetic considerations in the context of pertinent ideas and events. (G7: Humanities)
3 CREDITS

HA 334 — HISTORY OF WESTERN COSTUME
Prerequisite: HA 112
Illustrated lectures present the historical and social development of Western costume, from antiquity to the present, in the context of the history of art and design. (G7: Humanities)
3 CREDITS

HA 335 — HISTORY OF INDUSTRIAL DESIGN
Prerequisites: two History of Art and Civilization courses (HA 111, HA 112, or HA 231), or equivalent and approval of instructor, or (for Home Products Development students) HA 112
Surveys the development of design for commercial production from antiquity to the modern era in a cultural context. Illustrated lectures address major theories, leading contributors, and examples of work that reflect technological and artistic achievements in the field. (G7: Humanities)
3 CREDITS

HA 336 — TWENTIETH-CENTURY FASHION AND ART
Prerequisite: HA 231
A survey of 20th-century fashionable dress in the context of the history of art and design, with emphasis on the work of leading fashion designers. Students study garments and accessories in the collection of The Museum at FIT, as well as photographs, fashion illustrations, and films. (G7: Humanities)
3 CREDITS
HA 391 — THE BAUHAUS (HONORS)
Prerequisites: HA 112, HA 231, and qualification for Presidential Scholars Program, or 3.5 GPA with approval of dean for Liberal Arts
A study of the history and development of the influential German art, design, and architecture school; the artists and architects who served on its faculty; and the body of work produced in Germany from 1919 to 1933 and in Chicago from 1938 to 1944. (G7: Humanities)
3 CREDITS

HA 392 — THE ART OF VENICE: TITIAN TO TIEPOLO (HONORS)
Prerequisites: HA 112 and qualification for Presidential Scholars Program, or 3.5 GPA with approval of dean for Liberal Arts
This study of Venetian history provides background for understanding the painting, sculpture, and architecture of Venice from the Renaissance through the 18th century. (G7: Humanities)
3 CREDITS

HA 393 — ART AND MYTH IN THE CLASSICAL WORLD (HONORS)
Prerequisites: HA 111 or HA 112 and qualification for Presidential Scholars Program, or 3.5 GPA with approval of dean for Liberal Arts
Illustrated lectures examine the Greek myths—and their depiction in Greek and Roman art—in relation to their social and religious contexts. (G7: Humanities)
3 CREDITS

HA 394 — HISTORY OF NEW YORK ARCHITECTURE (HONORS)
Prerequisites: HA 112 and qualification for Presidential Scholars Program, or 3.5 GPA with approval of dean for Liberal Arts
Students explore the history of architecture in New York City. They are introduced to style, iconography, technical innovation, and geography. The cultural, social, economic, and political forces that shaped the city’s buildings from the early 17th century to the present are also explored. (G5: Western Civilization; G6: Arts)
3 CREDITS

HA 395 — STUDIES IN AMERICAN INDIAN ART AND CULTURE (HONORS)
Prerequisite: qualification for Presidential Scholars Program, or 3.5 GPA with approval of dean for Liberal Arts
A study of the art and culture of American Indians—from Alaska to the border of Mexico, from prehistoric times to the present. Students study architecture, carving, painting, pottery, rituals, textiles, and the dramatic changes in American Indian art and culture due to the violence of colonization. (G7: Humanities; G9: Other World Civilizations)
3 CREDITS

HA 396 — ART AND PATRONAGE IN THE ITALIAN RENAISSANCE (HONORS)
Prerequisites: HA 112 and qualification for Presidential Scholars Program, or 3.5 GPA with approval of dean for Liberal Arts
This course surveys Italian Renaissance art patronage, emphasizing sociopolitical contexts and the celebration of power. Emphasis is given to patronage in courts and republics, and to the merchant class, princes, and popes. The course also considers patronage of less dominant groups, such as women. (G5: Western Civilizations; G7: Humanities)
3 CREDITS

HA 411 — WESTERN THEORIES OF ART
Prerequisite: HA 231
Students consider Western theories of art from antiquity to the present with an emphasis on the 20th century. They are introduced to different methods of analyzing a work of art as well as the ways in which these methods can affect a curator’s decision in organizing an exhibition. (G7: Humanities)
3 CREDITS

HA 499 — INDEPENDENT STUDY IN HISTORY OF ART AND CIVILIZATION
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

Human Development

HD 111 — CAREER PLANNING
Provides students with an opportunity to explore their own values, interests, and capabilities and to acquire an in-depth knowledge of the fashion industry and potential career opportunities. Helps students gain insights into the relationship between self-knowledge and career decision-making. Students have access to a computerized career guidance system for the fashion industries. Guest speakers from the industry address career trends and options.
3 CREDITS

Health Education

HE 101 — HEALTH EDUCATION
Stresses the holistic approach to health and focuses on the theory of wellness as a preventive measure against illness. Provides a forum for examining such health issues as nutrition, exercise, relationships, sexuality, substance abuse, death and dying, among other topics.
1 CREDIT; 2 HOURS PER WEEK

HE 102 — STRESS MANAGEMENT
Identifies how stress affects the mind, body, and spirit. Students learn skills to reduce stress and cope with unavoidable stress in their personal and professional lives.
1 CREDIT; 2 HOURS PER WEEK

HE 201 — HUMAN SEXUALITY
Examines human sexuality through the life cycle from cultural, physiological, and theoretical perspectives. Students gain insight into their own beliefs and sexual behavior and learn to develop an understanding of the similarities and differences in sexual attitudes and behavior of others.
3 CREDITS

HE 301 — MOTOR LEARNING: A DEVELOPMENTAL APPROACH
Prerequisite: SS 232
The major theories and principles influencing motor skills are presented. The role and effectiveness of developmentally appropriate toys and equipment are assessed.
3 CREDITS
Home Products Development

HP 201 — INTRODUCTION TO HOME PRODUCTS
Students are familiarized with the wide range of home products, both soft lines (textile) and hard lines (non-textile), that comprise the home furnishings industry. Product development and merchandising within each category are emphasized. Many sessions take place at retailers and industry showrooms throughout the city.
3 CREDITS

HP 231 — AMERICA AT HOME: PRODUCT STYLES FROM 1900 TO CONTEMPORARY
Introduces the elements of design, color, and theory in the decorative arts that comprise the home products industry. Emphasis is on the contemporary approach to product development and design. Students explore the influence of historical, cultural, and social perspectives on products for the home. (G6: Arts)
3 CREDITS

HP 313 — MANUFACTURING AND MARKETING OF HOME PRODUCTS HARD LINES I
Students are introduced to hard lines marketing from conception through manufacture in order to effectively develop products. Part I surveys the various manufacturing processes and marketing strategies for several hard goods classifications (furniture, ceramics, and glass) of the home furnishings industry.
3 CREDITS

HP 314 — MANUFACTURING AND MARKETING OF HOME PRODUCTS HARD LINES II
Prerequisite: HP 313
Part II further surveys the manufacturing processes, marketing strategies, and product development for several hard goods classifications (metal, giftware, housewares, and home lighting) of the home furnishings industry.
3 CREDITS

HP 315 — TEXTILE APPLICATIONS: HOME PRODUCTS
Presenting both user and consumer viewpoints, this course examines how textiles relate to end-use home products. Students study the ways in which fibers, yarns, fabric formation, and finishing are interrelated and integrated from the perspectives of design, styling, and cost relative to specific home products and target markets.
2.5 CREDITS; 2 LECTURE AND 1 LABORATORY HOURS PER WEEK

HP 321 — LICENSING AND BRANDING IN HOME PRODUCTS
The elements of licensing, branding, and packaging and the relevance of these concepts to the home furnishings industry are introduced. Case studies and field trips are used to examine the importance of licensing and branding.
2 CREDITS

HP 351 — THE EUROPEAN HOME FURNISHINGS INDUSTRY
Students develop a firsthand understanding of the home furnishings marketing process from the European perspective. Emphasis is placed on product knowledge in terms of product development, production techniques, and European markets. The group will visit manufacturers, showrooms, retail outlets, specialized museums, and trade shows in Italy and Portugal (or possibly England).
3 CREDITS; APPROXIMATELY 3 WEEKS IN JANUARY

HP 352 — THE EUROPEAN HOME FURNISHINGS INDUSTRY
Students develop a firsthand understanding of the home furnishings marketing process from the European perspective. Emphasis is placed on product knowledge in terms of product development, production techniques, and European markets. The group will visit manufacturers, showrooms, retail outlets, specialized museums, and trade shows in Italy and Portugal (or possibly England).
3 CREDITS; APPROXIMATELY 3 WEEKS IN JANUARY

HP 421 — STRATEGIC PRODUCT MANAGEMENT
Prerequisites: HP 314 and HP 315
Co-requisite: HP 491
Students analyze and resolve complex business problems, utilizing their knowledge and understanding of strategic product management. They gain insights and skills necessary to formulate and implement sound marketing strategy.
3 CREDITS

HP 491 — HOME PRODUCTS DESIGN AND DEVELOPMENT PROCESS
Prerequisites: HP 314 and HP 315
Co-requisite: HP 421
An overview of the design and development process of products for the home is provided. Such principles of design as composition, color, shape, form, and structure are introduced. Differences between the design of products and the product development process in the home furnishings industry are emphasized. Teamwork and presentation skills are implemented as students develop a product line.
3 CREDITS

HP 492 — HOME PRODUCTS SENIOR PROJECT
Prerequisite: HP 491
The curriculum culminates in this capstone course, which requires the student to develop a product based on the coordination of soft and hard goods classifications. A comprehensive visual presentation and written product review support the viability and integrity of the product concept.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

Internship Center

IC 291 — INTERNSHIP
Prerequisite: completion of first year major- and related-area AAS program courses; or for one-year AAS students, completion of first semester major- and related-area courses
A 12-week industry internship, scheduled individually for a minimum of ten hours per week. Provides pre-professional experience related to the student’s major. In class sessions, interns conduct assessments, identify learning objectives, and develop lifelong career-planning skills. A daily journal is maintained and a self-marketing plan is required.
4 CREDITS

IC 292 — MENSWEAR INTERNSHIP
Prerequisite: completion of first year major- and related-area AAS program courses
A ten-week industry internship, scheduled individually for a minimum of eighty hours. Provides pre-professional experience through supervised field work, class sessions (pre-, mid-, and post-internship), and assignments, including activity reports and a market research project.
2 CREDITS

IC 293 — PRODUCTION MANAGEMENT INTERNSHIP
Prerequisite: completion of third-semester courses
A 12-week industry internship, scheduled individually for a minimum of ten hours per week. Provides pre-professional experience through supervised field work, class sessions (pre-, mid-, and post-internship), and assignments, including activity reports and a research project or paper.
3 CREDITS
IC 391 — WINTERIM INTERNSHIP
A Winterim internship in industry, scheduled individually for a minimum of eighty hours (twenty hours per week for four weeks) during January. Includes a pre- and post-internship seminar. Completion of weekly activity reports and an oral presentation on the internship experience are required.
2 CREDITS

IC 491 — SENIOR INTERNSHIP
A 12-week industry internship, scheduled individually for a minimum of ten hours per week. Provides professional experience related to the student’s career goals. In class sessions, interns conduct career-related research and develop career-planning skills. Applications must be submitted prior to the semester student wants to intern.
4 CREDITS

IC 492 — COMPUTER SPACE MODELING AND VISUALIZATION
Prerequisite: completion of third-semester courses
For Production Management: Fashion and Related Industries students. A 12-week internship, scheduled individually for a minimum of ten hours per week, provides an experiential learning opportunity through supervised field work, class sessions (pre-, mid-, and post-internship), and assignments, including activity reports and a research project or paper.
3 CREDITS

IC 493 — COMPUTER SPACE MODELING AND VISUALIZATION
For Continuing Education students. The concepts and techniques of creating, viewing, and manipulating three-dimensional, computerized interior models are examined. Through the generation of sections and perspectives, students develop an in-depth understanding of the modeling techniques used for creating and analyzing interior space.
2 CREDITS

IC 494 — FINE ARTS INTERNSHIP
A ten-week industry internship, scheduled individually for a minimum of eighty hours, provides career exploration through supervised field work and class assignments.
2 CREDITS

Interior Design

ID 101 — INTRODUCTION TO INTERIOR DESIGN
For students not majoring in Interior Design. Provides an overview of the interior design profession and its history, industry, and related career areas. Introduces fundamentals of residential and contract design, basic space planning, color development, furnishings, and materials selection.
2 CREDITS

ID 103 — INTERIOR DESIGN MERCHANDISING
For Fashion Merchandising Management students. Introduces the main categories of home furnishings and the merchandising practices in department stores and showrooms.
2 CREDITS

ID 104 — LIGHT/SOUND/MOTION
Prerequisite: DE 131
Co-requisite: DE 133
For Visual Presentation and Exhibition Design students. The elements and principles of lighting, sound, and motion as they relate to exhibition design are introduced. Students learn about lamping, beam spread, color effects, illumination and calculation, and light manipulation. Electricity, voltage, wiring, breakers, fuses, and switches are studied. The effects of light and shadow are explored.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

ID 115 — INTERIOR DESIGN STUDIO I
Co-requisites: DE 133 and DE 153
An introduction to the interior design profession, with an emphasis on problem solving for small residential spaces. Elements and principles of design are explored as well as human factors, color theory, and the art of lighting. Students are introduced to residential space planning, furniture layouts, the development of color schemes, and the selection of finishes, furnishings, and materials.
4 CREDITS; 8 STUDIO HOURS PER WEEK

ID 116 — INTERIOR DESIGN STUDIO II
Prerequisite: ID 115
Co-requisites: ID 134, ID 158, and ID 253
Reinforces concepts and skills developed in Interior Design Studio I. Extends student abilities in space planning and furniture layouts for larger residential spaces to small contract office spaces. Focuses on the development of color schemes and the selection of furniture and finishes. Introduces students to the Americans with Disabilities Act (ADA) and its impact on the design of interior spaces.
4 CREDITS; 8 STUDIO HOURS PER WEEK

ID 121 — SURVEY OF INTERIOR DESIGN
Analyzes the history of furniture, interiors, and decorative arts from ancient times through Gothic periods in France, England, Italy, Spain, and Middle Europe; and the Renaissance through Baroque periods in Italy, Spain, and Middle Europe.
2 CREDITS

ID 133 — PRESENTATION TECHNIQUES I
Presents techniques of rendering the elements of interior spaces in detail, including finishes, fabrics, window treatments, and accessories. Students learn quick visualization techniques and are introduced to the use of varied media in the representation of light, texture, color, value, and form.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

ID 134 — PRESENTATION TECHNIQUES II
Prerequisite: ID 133
Perfected rendering skills and develops the ability to graphically express the designs of interior spaces.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

ID 135 — MODEL CONSTRUCTION
Students are introduced to architectural modeling materials, techniques, shortcuts, and methods of construction to produce a full-color interior model for client presentation. All aspects of model building, from sketch models to laser, are considered.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

ID 151 — BASIC DRAFTING TECHNIQUES
For Continuing Education students. Familiarizes students with the use of drafting equipment and materials. Provides instruction in elementary drafting skills and conventions, employing mechanical pencils and pen and ink in the representation of plans, elevations, and sections.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

ID 153 — COMPUTER SPACE MODELING AND VISUALIZATION
Prerequisite or co-requisite: ID 158 or approval of instructor
For Continuing Education students. The concepts and techniques of creating, viewing, and manipulating three-dimensional, computerized interior models are examined. Through the generation of sections and perspectives, students develop an in-depth understanding of the modeling techniques used for creating and analyzing interior space.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK
ID 157 — DRAFTING FOR INTERIOR DESIGN
Co-requisites: ID 115 and ID 133
An introductory course to basic drafting skills and concepts used in interior design. Students learn to use drafting materials and tools and to produce design drawings. Universal concepts of interior design drafting are addressed, including line weights and types, scale, and elevation.
1.5 CREDITS; 1 LECTURE AND 1 STUDIO HOURS PER WEEK

ID 158 — PERSPECTIVE DRAWING
Prerequisite: ID 151 or ID 157
Develops skills in producing one- and two-point perspective drawings for the visualization and communication of interior design solutions. Students learn to use different methods of generating perspective views to meet the needs of the interior design profession.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

ID 172 — DESIGN, COLOR, AND LIGHTING PRINCIPLES AND THEORY
For Continuing Education students. Students focus on the principles of design and composition as influenced by the use of color and its application in the built environment, and the fundamentals of lighting design as they apply to the form, texture, and finish of interior space.
1.5 CREDITS; 1 LECTURE AND 1 STUDIO HOURS PER WEEK

ID 201 — COLOR FOR INTERIORS
For students not majoring in Interior Design. Introduces the use of color as a design tool for both residential and contract interiors while analyzing the interrelationship of color and light.
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

ID 212 — INTERIOR DESIGN STUDIO III
Prerequisites: ID 116 and ID 158
Co-requisites: ID 241 and ID 243
Problem solving focuses on specific building types and user groups in areas which include corporate, retail, and institutional. Appropriate research methods and programming of client requirements are introduced, as well as techniques of diagramming space to provide proper circulation and activity relationships. Design concept, image, color and finishes, graphics, building codes, and barrier-free design compliance are emphasized. Evaluations by practicing interior designers and architects highlight student presentations.
4 CREDITS; 8 STUDIO HOURS PER WEEK

ID 214 — INTERIOR DESIGN STUDIO IV
Prerequisites: ID 212 and ID 243
Through research, design analysis, and problem solving, students explore the user-groups and challenges associated with the multi-functional use of hospitality and residential spaces. Lighting, color finishes, materials and details, building code issues, and barrier-free applications are emphasized. Evaluations by practicing interior designers and architects highlight student presentations.
4 CREDITS; 8 STUDIO HOURS PER WEEK

ID 218 — INTRODUCTION TO DESIGN FOR THE THEATRE
Prerequisites: completion of first-year AAS courses in Fashion Design, Interior Design, or Visual Presentation and Exhibition Design, and approval of the chairperson
Extends interior design skills into areas of theatrical design through a series of design projects which acquaint the student with the fundamental techniques of designing settings for stage and television, including fashion show productions.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

ID 221 — INTERIOR DESIGN: 1650-1850
Traces the major period styles used in interior design in England, France, and the United States from the mid-17th to the mid-19th centuries, with an analysis of their evolution from concepts and forms developed in early classic civilizations.
2.5 CREDITS; 2 LECTURE AND 1 STUDIO HOURS PER WEEK

ID 222 — INTERIOR DESIGN: 1850-1950
Traces interior design and the evolution of modernism in Europe and the United States from the theory and practice of mid-19th century reformers to the modern movements of the early 20th century.
2.5 CREDITS; 2 LECTURE AND 1 STUDIO HOURS PER WEEK

ID 225 — DOMESTIC ARTS AND ARCHITECTURE IN BRITAIN: 1500-1830
Conducted in England, this course surveys British domestic architecture, interiors, and furnishings from the Medieval to the Regency period. Many lectures take place in historic houses, towns, and museums.
3 CREDITS; APPROXIMATELY 21 DAYS IN JUNE

ID 226 — DECORATIVE ARTS, ARCHITECTURE, AND INTERIOR DESIGN IN ITALY
Focuses on the development of domestic architecture, interior design, and decorative arts in Italy from the Etruscan period through the Baroque. Presented in and around Rome, Florence, and Venice, the course emphasizes the relationship of architecture and interior design, textiles and furniture, as well as the integration of painting and sculpture.
3 CREDITS; APPROXIMATELY 3 WEEKS IN JANUARY AND/OR JUNE

ID 241 — LIGHTING DESIGN I
Prerequisite: ID 115
Co-requisites: ID 212 and ID 243
Provides basic understanding of vision as affected by light, color, texture, and form. Introduces basic principles of lighting design including criteria, calculations, planning, and layout.
1.5 CREDITS; 1 LECTURE AND 1 STUDIO HOURS PER WEEK

ID 243 — MATERIALS AND METHODS OF INTERIOR CONSTRUCTION I
Prerequisite: ID 115
Co-requisites: ID 212 and ID 241
Provides the student with an understanding of the construction process as it relates to the building of interior spaces.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

ID 245 — INTRODUCTION TO INTERIOR PLANTSCAPING DESIGN
Introduces the principles and techniques of planting design as it relates to interior environments, both residential and contract.
3 CREDITS; 2 LECTURE AND 2 STUDIO HOURS PER WEEK

ID 253 — AUTOCAD I
Prerequisites: CG 111 and ID 157
Introduces general concepts of computer-aided design and drafting (CADD), with emphasis on two-dimensional drafting applications such as floor plans, furniture plans, reflected ceiling plans, and elevations. Students create, store, modify, and plot drawings. Students are taught to generate hard copies of their work.
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK
ID 254 — INTERIOR DESIGN WORKING DRAWINGS
Prerequisite: ID 158 and ID 243
Students learn how to prepare a construction set of working drawings for use by contractors and the building trades. Architectural drafting techniques, schedules, specifications of materials and finishes, and principles of door and cabinetwork detailing are included. Students read drawings and understand conventions employed by architects, engineers, and the building trades.
2 CREDITS; 4 STUDIO HOURS PER WEEK

ID 255 — AUTOCAD II
Prerequisite: ID 253
Presents CAD drafting, dimensioning, and detailing in order to create two-dimensional drawings for architecture, interior design, and construction. Methods for creating and using different line types and text styles are demonstrated. An introduction to three-dimensional modeling is included.
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK

ID 262 — PROFESSIONAL PRACTICE I
A fundamental understanding of the professional standards and practices of interior design, including client relationships and marketing, is provided. Business methods and client record-keeping techniques are introduced. Fabric and furniture resources, typical sampling, specifying, and manufacturing processes are researched and discussed. Special floorings and wall coverings, window treatments, and upholstery methods and techniques are reviewed.
2 CREDITS

ID 299 — INDEPENDENT STUDY IN INTERIOR DESIGN
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

ID 312 — INTERIOR DESIGN STUDIO: INSTITUTIONAL
Prerequisites: ID 214 or ID 314
Introduces students to more complex building types and design studies. Work includes institutional spaces, such as health care, government, and religious facilities, cultural centers, and supportive communities. Students develop in-depth research and design analysis methods, and explore specific user-group requirements which address cultural, behavioral, and quality-of-life issues. Application and knowledge of building codes and Americans with Disabilities Act (ADA) compliance are further developed in design project assignments.
4 CREDITS; 8 STUDIO HOURS PER WEEK

ID 314 — INTERIOR DESIGN STUDIO: RESIDENTIAL
Prerequisite: ID 214
Explores the multi-dimensional aspects of the residence and principles of problem solving applied to urban and suburban living space. High-end cooperative/condominium apartments, townhouse, and country and vacation homes are studied. In-depth research methods are expanded upon through exchanges with guest design collaborators and field trips. Application of codes and barrier-free environments are studied, as well as focus areas of design such as the bath and/or kitchen.
4 CREDITS; 8 STUDIO HOURS PER WEEK

ID 322 — DECORATIVE ARTS SURVEY
Surveys the decorative arts and other related objects, including porcelain and ceramics, metalwork, glass and wood, frames, and carpets from Europe, England, Asia, and America. Students learn to recognize and determine appropriate artifacts as well as ceiling, wall, and floor coverings for use in interior environments. Local resources are identified and craftsmanship technologies are outlined and explored.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

ID 323 — INTERIOR DESIGN: 1950 TO PRESENT
An in-depth study of the history of interior design and decoration in the 20th century, emphasizing its development after World War II and the transformation of the practice and role of the professional in society. Introduces students to the philosophies of modern interior design movements (postmodernism, minimalism, deconstructionism, etc.), practitioners (Wright, Aalto, Baldwin, Eames), and the influence of historical styles on contemporary work.
2 CREDITS

ID 331 — PRESENTATION TECHNIQUES III
Prerequisite: ID 134
Studies in advanced techniques involved in the rendering and presentation of interior spaces, including collage, colored pencil, film, photography, airbrush, and other advanced types of media. Students develop and explore new concepts, methods, and ideas for formatting their design work.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

ID 332 — INTERIOR RENDERING IN COLORED PENCIL
Prerequisite: ID 133
Using colored pencil, students explore advanced rendering techniques, from quick schematics to finished renderings, as they relate to the interior design profession.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

ID 341 — LIGHTING DESIGN II
Prerequisite: ID 241
Advanced course deals with increased awareness of the application of lighting principles in more complex interior design environments. Various types of architectural and decorative lighting sources are explored. The impact of codes compliance, budget estimating, and project cost control methods are examined.
1.5 CREDITS; 1 LECTURE AND 1 STUDIO HOUR PER WEEK

ID 343 — MATERIALS AND METHODS OF INTERIOR CONSTRUCTION II
Prerequisites: ID 158 and ID 243
Students develop a greater awareness of building technology; the functional role of structure in various building types and how it is a major consideration in an interior design project. The various construction systems used to create exterior envelopes of buildings are taught. Vertical circulation systems, mechanical systems, specialized hardware, special finishes and coatings, and the various C.S.I. formatted specification and information systems are studied.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

ID 346 — INTERIOR ARCHITECTURAL DETAIL
Prerequisite: ID 254
Course addresses basic elements of architectural woodwork and related joinery methodologies and their application to the detailing of various custom components of interior spaces.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

ID 354 — AUTOCAD III
Prerequisites: ID 214 and ID 255
Three-dimensional modeling for interior designers. The course consists of lectures, demonstrations, and lab exercises describing and teaching the general concepts and techniques of creating, viewing, and manipulating three-dimensional computerized architectural models.
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK
ID 362 — FURNITURE, FINISHES, FIXTURES, AND EQUIPMENT
Students explore the interior design marketplace as it relates to furnishing and accessorizing the interior environment. Methods of learning how to locate, evaluate, and modify such items as upholstered furniture, kitchen and bath equipment, hardware, floor and wall finishes, window treatments, and office systems are studied. Emphasis is placed on the preparation and development of specifications and procurement of design products.
1.5 CREDITS; 1 LECTURE AND 1 STUDIO HOUR PER WEEK

ID 363 — BUILDING REGULATIONS
Prerequisite: ID 243
Studies of the various regulations that govern the design, construction, and occupancy of building interiors relative to public health, safety, and welfare. Zoning ordinances, state building codes, federal occupational regulations, fire prevention, egress, barrier-free accessibility (ADA), and administrative requirements are covered.
3 CREDITS

ID 373 — HUMAN FACTORS AND INTERIOR ERGONOMICS
For Continuing Education students. Examine appropriate design to fit environment, space, and equipment to human characteristics. Physical anthropology, physiology, and psychology play a role in the design of everyday tasks at work and in the home.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

ID 412 — INTERIOR DESIGN STUDIO: STORE PLANNING/RETAIL DESIGN
Prerequisite: ID 314
Advanced problems in retail/store planning and design, which include boutiques, specialty shops, and department stores. Awareness of regulations and codes, design analysis, presentation techniques, and marketing as well as methods of written and verbal communication are studied. Professional practitioners act as collaborators in evaluating student projects.
4 CREDITS; 8 STUDIO HOURS PER WEEK

ID 421 — HISTORIC PRESERVATION I
Provides basic understanding and appreciation of preservation and considers the appropriate recycling of historic interior spaces. Preservation and recycling projects in this country and abroad are analyzed and discussed.
2 CREDITS

ID 422 — HISTORIC PRESERVATION II
Advanced course with emphasis on research and field work. Major preservation and/or recycling projects to be selected and executed individually or in groups. Students develop programs and prepare design solutions.
2 CREDITS

ID 431 — COMPUTER RENDERING
Prerequisites: ID 134 and ID 255
Lectures, demonstrations, and lab exercises describe and teach the general concepts and techniques of creating, viewing, and editing computer renderings of interior spaces. The software for the course is internationally recognized as an acceptable standard for manipulating graphics. The computer offers the student the ability to constantly view and alter work.
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK

ID 441 — LIGHTING DESIGN III
Prerequisite: ID 341
Advanced study of lighting design, emphasizing design and detailing of lighting fixtures for residential and commercial installations. Students explore manufacturing methods and materials, and estimating and obtaining cost quotes.
1.5 CREDITS; 1 LECTURE AND 1 STUDIO HOUR PER WEEK

ID 444 — FURNITURE DESIGN
Prerequisite: ID 346
An introductory course to the creative process of furniture design. Human factors and ergonomics related to furniture design are studied in depth.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

ID 445 — INTERIOR PRODUCT DESIGN
Prerequisite: ID 346
The course introduces students to three-dimensional interior product design for use in the residential, contract, and hospitality markets. Emphasis is on the design of products with specialized functions, including universal design and special needs.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

ID 461 — PROFESSIONAL PRACTICE II
Deals with common situations associated with professional interior design practice, including contracts, procurement and billing procedures, fees, marketing and sales efforts, public relations, professional ethics, office organization, estimating, and progress scheduling.
2 CREDITS

ID 471 — ENVIRONMENTAL SYSTEMS
Prerequisite: ID 115
Examines the control of interior environments through the supply of heating, ventilating, air conditioning, and plumbing systems; study of the various electrical systems and sub-systems is included. Reference sources are provided so students build an understanding of how these systems interface within the built environment.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

ID 472 — ECOLOGY AND THE BUILT ENVIRONMENT
The growing impact of ecology on the interior design profession is studied and includes such topics as non-depletable energy services, energy conservation, and resource conservation. Students explore the relationships between ecology and building construction, furniture, furnishings, equipment, building mechanical systems, and building maintenance. Recycling, reuse, and ecological awareness are among the areas studied.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

ID 483 — INTERNSHIP
Prerequisite: approval of chairperson
A 12-week internship in a qualified design office, industry showroom, or trade/workroom/fabricator as selected by the student with the approval of the chairperson, for a minimum of 10 hours per week (or the equivalent). Includes individual interviews and assessment reviews with the student and instructor for pre-, during, and post-internship work experience. Assessment forms analyzing and evaluating the experience are required and a final closure interview is held.
3 CREDITS

ID 494 — SENIOR THESIS DESIGN PROJECT RESEARCH
Prerequisites: ID 314, ID 363, and EN 323
A prerequisite to the senior thesis design project, this course deals with research methodology related to preparing a design program. Students obtain, develop, and analyze data and design criteria as well as building drawings specific to their selected areas of study. Faculty and a professional mentor/expert specializing in the student’s field of study offer information, guidance, and counsel during the programming phase and subsequent design development of the following semester. Students select their senior thesis topic, subject to the approval of the chairperson.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK
ID 495 — SENIOR THESIS DESIGN PROJECT  
Prerequisites: ID 412 and ID 494  
Based on the design program researched and written in the prior semester, students prepare a capstone project in interior design which synthesizes space planning, building regulations, accessibility, lighting, furniture layouts, color finishes and materials, furniture and furnishings selections, details, and their selected methods of presentation/communication. Students work in a classroom studio throughout the semester and culminate their study with a presentation to faculty, mentors, and invited design professionals.  
4 CREDITS; 8 STUDIO HOURS PER WEEK

ID 499 — INDEPENDENT STUDY IN INTERIOR DESIGN  
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean  
VARIABLE CREDITS (3 CREDITS MAXIMUM)

Illustration

IL 103 — ILLUSTRATING THE MALE FIGURE  
For Menswear students. Study of the human anatomy, proportions, and movement of the male figure, employing varied media, is presented. How garments are affected by muscle movement is emphasized.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

IL 111 — FASHION ILLUSTRATION I  
For Continuing Education students. Students study the procedures and principles of fashion illustration and translate drawings from the live model into finished fashion illustrations, rendering clothing and accessories. Use of pen and ink, marker, and brush and wash techniques suitable for black-and-white reproduction is discussed.  
3 CREDITS; 6 STUDIO HOURS PER WEEK

IL 113 — FASHION INTERPRETATION II  
Prerequisites: (IL 111 and IL 143) or (IL 114 and IL 141)  
Continues study of wash and other halftone media in rendering clothing done from the fashion model. Students learn to work to ad size and to compose several elements on a page.  
2.5 CREDITS; 5 STUDIO HOURS PER WEEK

IL 114 — FASHION INTERPRETATION I  
The fundamental principles and skills required for commercial fashion illustration are taught. Using black-and-white media geared to print and electronic reproduction, students create fashion images working from the live model. Focus is on developing an individual style and creating exciting, dramatic images.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

IL 123 — GENERAL ILLUSTRATION I  
Explores media, techniques, and art research. Introduces students to printing and the application of general illustration to specific design problems; directs them to tap and discover personal resources for artistic expression. (G6: Arts)  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

IL 124 — GENERAL ILLUSTRATION II  
Prerequisite: IL 123  
Students learn all aspects of producing illustrations, from initial concept to finished artwork, mastering composition and draftsmanship, finding creative solutions, and considering value, tonal contrast, and color harmony.  
3 CREDITS; 6 STUDIO HOURS PER WEEK

IL 125 — INTRODUCTION TO ADOBE PHOTOSHOP FOR THE ILLUSTRATOR  
This introduction to basic Adobe Photoshop enables students to apply its computer power to the production of both digital and traditional imagery from concept to finish.  
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

IL 126 — WATERCOLOR COMPS AND ILLUSTRATIONS  
Students learn to develop a wide variety of illustration projects in watercolor, from comps to finishes that are ready for reproduction. Emphasis is on real-world assignments for newspapers, magazines, packaging, advertising, and children’s book illustrations.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

IL 127 — APPLYING COLOR TO ILLUSTRATE THE WRITTEN WORD  
Students learn to use color to produce effective pictorial representations of the written word. By learning the key properties of color and how to manipulate them, students achieve an understanding of color rendering for reproduction.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

IL 131 — ILLUSTRATION LIFE DRAWING I  
Study of anatomy, proportion, and drawing in charcoal, pencil, marker, and pastel, and of the nude figure as the basis for understanding the fashion figure. (G6: Arts)  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

IL 132 — ILLUSTRATION LIFE DRAWING II  
Prerequisite: IL 133  
Continuation of drawing the nude figure from the illustration point of view. Muscle structure is stressed in varied media.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

IL 133 — ANATOMICAL LIFE DRAWING FOR THE ILLUSTRATOR I  
This introductory course in anatomy and life drawing focuses on the skeletal and muscular systems of the body in order to understand the human form, its proportions, contours, and characteristic periphery of movement.  
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

IL 134 — ANATOMICAL LIFE DRAWING FOR THE ILLUSTRATOR II  
Prerequisite: IL 133  
This course extends the understanding of basic anatomy for the artists. Students learn to artistically render the human form through the exploration of composition, perspective, mood, and the effects of light.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

IL 141 — DRAWING THE FASHION IMAGE I  
Students work from live models to learn drawing skills, fundamental anatomy, and the dynamics of movement in order to develop a foundation for producing high-quality fashion illustrations. Both fashion and human proportion are stressed.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

IL 143 — FASHION DRAWING I  
For Continuing Education students. Drawing from the fashion model. Emphasizes line drawing in charcoal, conte, and other black-and-white media.  
2 CREDITS; 4 STUDIO HOURS PER WEEK

IL 144 — DRAWING THE FASHION IMAGE II  
Prerequisites: IL 114 and IL 141  
Continues drawing from the fashion model while developing form, stressing rendering of merchandise. Pastels, chalks, and various other media are introduced.  
2.5 CREDITS; 5 STUDIO HOURS PER WEEK
IL 151 — DYNAMIC DRAWING TECHNIQUES FOR THE ILLUSTRATOR
An introduction to dry and wet media drawing techniques of the human form using monochromatic media. Students focus on the concepts of physical contour, stylistic flair, and the dynamics of a clothed figure’s movement.
2 CREDITS; 4 STUDIO HOURS PER WEEK

IL 152 — GENERAL ILLUSTRATION FIGURE DRAWING I
Students develop skills in drawing grouped and cropped figures in a variety of media.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

IL 175 — ACCESSORY AND FIGURE COMPOSITION FOR FASHION ILLUSTRATION
For Continuing Education students. Students learn to render fashion-related products and fashion figures using imaginative new approaches. Unusual perspectives and themes are explored.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

IL 181 — THE ESSENCE OF COMIC ART
Cultivates the unique graphic style in magazine cartooning, political cartoons, and comic book characters, stressing satire, whimsy, fantasy, and humor. Students develop the ability to succinctly express a comic point of view.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

IL 182 — THE ART OF DRAWING COMIC BOOKS
Stimulates and develops the students’ storytelling technique and individual graphic style of continuity drawing, using pencil, ink, and color.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

IL 184 — INTRODUCTION TO AIRBRUSH
Co-requisite: IL 124
Students become familiar with the mechanics of the airbrush instrument in order to master the creative techniques used in illustration.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

IL 211 — FASHION INTERPRETATION III
Prerequisites: IL 113 and IL 144
Continues study of black-and-white and color techniques in finished fashion illustrations.
2.5 CREDITS; 5 STUDIO HOURS PER WEEK

IL 212 — FASHION INTERPRETATION IV
Prerequisites: IL 211 and IL 241
Experimentation in various media, employing styles and techniques suitable to the most current clothing and fashion trends. Students prepare portfolios.
3 CREDITS; 6 STUDIO HOURS PER WEEK

IL 223 — GENERAL ILLUSTRATION III
Prerequisite: IL 124
From initial rough to finished artwork using a variety of techniques, emphasis is placed on the development of conceptual ideas for editorial and advertising illustration.
3 CREDITS; 6 STUDIO HOURS PER WEEK

IL 224 — GENERAL ILLUSTRATION IV
Prerequisite: IL 223
Students work on projects from rough to finished portfolio pieces. Imaginative, illustrative problem solving is analyzed.
3 CREDITS; 6 STUDIO HOURS PER WEEK

IL 231 — ANATOMICAL LIFE DRAWING FOR THE ILLUSTRATOR III
Prerequisites: IL 133 and IL 134
Further study of the illustrative approach to life drawing, employing chiaroscuro and introducing color.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

IL 232 — ANATOMICAL LIFE DRAWING FOR THE ILLUSTRATOR IV
Prerequisite: IL 231
A study of the fashion approach to life drawing, involving increasingly complex interactions of fashion concepts on the undraped figure. Expression, gesture, color, and pattern are examined in relation to backgrounds.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

IL 241 — DRAWING THE FASHION IMAGE III
Prerequisite: IL 144
Continues drawing from the fashion model. Emphasis on clothing character and techniques using color, washes, pastels, and combined media. Texture and pattern are analyzed.
3 CREDITS; 6 STUDIO HOURS PER WEEK

IL 242 — DRAWING THE FASHION IMAGE IV
Prerequisite: IL 241
Continues drawing from the fashion model, stressing individual approaches. Experimentation is encouraged on a professional studio level.
3 CREDITS; 6 STUDIO HOURS PER WEEK

IL 251 — GENERAL ILLUSTRATION FIGURE DRAWING II
Prerequisite: IL 152
Drawing of individual and grouped figures, including the relationship of space and color. A portfolio is prepared.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

IL 252 — GENERAL ILLUSTRATION FIGURE DRAWING III
Prerequisite: IL 251
Emphasizes advanced treatment of the figure in relation to editorial projects employing a wide range of media.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

IL 261 — THE ITALIAN WAY: LESSONS FROM THE MASTERS FOR OUR TIME
Prerequisite: two semesters of History of Art and Civilization courses
Offered in Florence, this course introduces students to aspects of Italian art and culture, which affect their aesthetic and pragmatic points of view as artists. Emphasizes the relationship between concepts, materials, and techniques used by the masters, and its relevance to today’s artist.
2.5 CREDITS; APPROXIMATELY FIVE WEEKS IN JUNE AND JULY

IL 273 — ILLUSTRATION CONCEPTS AND APPLICATIONS I
Prerequisite: IL 127
Students are given projects emphasizing realistic drawing and rendering of objects. Varied media are employed.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

IL 274 — ILLUSTRATION CONCEPTS AND APPLICATIONS II
Prerequisite: IL 273
Fantasy, humor, conflict, and similar emotions are conceptualized into projects. Student’s personal approach to illustration in various media is emphasized.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK
IL 299 — INDEPENDENT STUDY IN ILLUSTRATION
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

IL 302 — DRAWING FOR ANIMATION I
Students learn to draw for animation by developing skills through quick gestural action analysis as well as traditional figure drawing techniques. Creation of character interaction, backgrounds, layouts, storylines, staging, and theatrics is emphasized. (G6: Arts)
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

IL 303 — DRAWING FOR ANIMATION II
Prerequisite: IL 302
Advanced drawing for animation preparation by drawing the nude and costumed model, focusing on gestural analysis of the figure. The understanding of continuity in storytelling and character development is emphasized through the correlation of color, lighting, media, music, and cultural influences. Students keep a sketchbook/journal. (G6: Arts)
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK

IL 321 — DIGITAL SKETCHING AND COMping FOR THE ILLUSTRATOR
Prerequisite: PH 272
Using Adobe Photoshop, students learn to create digital artwork and type: make selections; file, retrieve, scan, print, edit, and retouch photography and artwork; and manipulate, color, and combine images in order to produce high-quality sketches and comprehensives.
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK

IL 323 — ADOBE ILLUSTRATOR FOR THE ILLUSTRATOR
Prerequisites: CD 201 and IL 125
This course builds on the student’s knowledge of vector-based drawing, bitmap-based applications, and basic digital typography and design. Illustrative skills are synthesized with typography and design in order to enhance visual problem-solving abilities as well as opportunities for artistic expression.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

IL 324 — DIGITAL PAINTING FOR THE ILLUSTRATOR
Prerequisites: IL 125 and PH 305
Adobe Photoshop and Corel Painter are used to apply traditional painting and drawing techniques in a digital format. Students learn how to modify the interface using the Power User’s method to work more efficiently. They are encouraged to use these programs to experiment stylistically.
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK

IL 362 — THE ILLUSTRATOR’S HERITAGE I
Prerequisite: IL 212 or IL 224
Combines a survey of decorative artists and illustration (late 19th to early 20th century) with visits to museums, galleries, designers’ showrooms, and studios. Students complete illustration projects based on lectures and drawings from a model. (G6: Arts)
3 CREDITS; 2 LECTURE AND 2 STUDIO HOURS PER WEEK

IL 364 — THE ILLUSTRATOR’S HERITAGE II
Prerequisite: IL 362
Continues a survey of various aesthetic influences on illustrators from the early 1900s to the present. Course is enriched by guest speakers, films, museum visits, and field trips. Students complete illustration projects based on lectures and drawings from the model. (G6: Arts)
3 CREDITS; 2 LECTURE AND 2 STUDIO HOURS PER WEEK

IL 374 — BOOK ILLUSTRATION I
Prerequisite: IL 212 or IL 224
Develops skills in interpreting a manuscript or story and creating visual images. The application of various techniques and materials is explored. (G6: Arts)
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

IL 375 — BOOK ILLUSTRATION II
Prerequisite: IL 374
Explores aspects of book illustration, with emphasis on specific imagery for specialized areas such as children’s books, science fiction, and juvenile. Emphasis is on professional procedures and portfolio preparation.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

IL 376 — FANTASY AND SCIENCE FICTION ILLUSTRATION
Prerequisite: approval of chairperson
Students explore this genre of illustration through consideration of art, film, novels, and mythology to develop the creative skills necessary to produce images that rely on the imagination, and the extrapolation and integration of visual reference.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

IL 382 — THE ILLUSTRATOR’S VISUAL SELF-EXPRESSION
Prerequisite: IL 212 or IL 224
Explores fantasy and symbolism, and poses conceptual challenges with the intent to expand the students’ imagination and help them develop and express their personal viewpoints through composition and rendering of design elements.
3.5 CREDITS; 1 LECTURE AND 5 STUDIO HOURS PER WEEK

IL 383 — ADVANCED DRAWING AND COMPOSITION: THE PERSONAL VIEW
Prerequisite: IL 382
Students acquire special drawing techniques to provide new ways of perceiving subjects. Emphasis is on complex projects (multiple figures in background) and research.
3.5 CREDITS; 1 LECTURE AND 5 STUDIO HOURS PER WEEK

IL 388 — MATERIALS AND TECHNIQUES: MIXED MEDIA, INCLUDING PHOTOGRAPHY
Prerequisite: IL 212 or IL 224
Examines the range of media available to the illustrator, including use of photographic reference material. Emphasis is on use of varied techniques to solve difficult or unusual design problems.
2 CREDITS; 4 STUDIO HOURS PER WEEK

IL 389 — MATERIALS AND TECHNIQUES: MIXED MEDIA, INCLUDING PHOTOGRAPHY
Prerequisite: IL 388
Examines the range of unusual and experimental media available to the illustrator. Enlarges and develops students’ personal techniques as it explores experimental options.
2 CREDITS; 4 STUDIO HOURS PER WEEK

IL 461 — ILLUSTRATION WORKSHOP
Prerequisites: IL 383 and IL 389
Explores the working world by assigning actual client-generated projects. Students become familiar with standard business practices including client approval, bookkeeping systems, work schedules, and billing procedures. Reproduction-ready artwork is ultimately delivered to the client.
3 CREDITS; 6 STUDIO HOURS PER WEEK
IL 491 — MENTOR/SPECIALIZATION PROJECTS I
Prerequisite: IL 389
Encourages the development of the student as a professional. Several semester projects are individu-
ally selected and completed under the supervision of the professional mentor who may be a
working professional, a faculty member who is an expert in a particular area of illustration, or a
successful graduate.
3 CREDITS; 6 STUDIO/HOURS PER WEEK

IL 492 — MENTOR/SPECIALIZATION PROJECTS II
Prerequisite: IL 491
Under the guidance of a professional mentor, the student has the opportunity to expand an area
of specialization and develop a second specialty. Portfolio organization is emphasized.
3 CREDITS; 6 STUDIO/HOURS PER WEEK

IL 499 — INDEPENDENT STUDY IN ILLUSTRATION
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

International Trade

IN 201 — GLOBAL SOURCING IN HOME FURNISHINGS
This introductory course examines the process of international sourcing in the home furnishings
industries. Students study how U.S. home products companies, through product development,
search for foreign manufacturers by evaluating various countries’ production costs, quality stan-
dards, technical abilities, infrastructures, and cultural differences. Also addressed are U.S. trade
policies, vendor management, and consumers’ concerns about products manufactured abroad.
3 CREDITS

IN 312 — INTERNATIONAL TRADE
Introduces international trade as it is practiced today. Students learn how various industries have
developed different international trade patterns and how the internet is rapidly changing this field.
Focus is placed on international trade as an industry, professional opportunities, project
management, intercultural skills, and technical trends in logistics and online research.
3 CREDITS

IN 313 — INTERNATIONAL BUSINESS TRANSACTIONS
The management of international trade transactions is introduced, with emphasis on agency,
distributorship, franchising agreements, import/export, and licensing. Students learn the theory
and practice of conducting international negotiations and how to apply the self-regulatory
standards used in international trade. The use of the internet and business-to-business
e-commerce websites to transact international business is also examined.
3 CREDITS

IN 322 — GLOBAL MARKETING
Introduction to the research techniques and implementation strategies practiced in global
marketing by the fashion and related industries. Students examine the major trends
revolutionizing international marketing, the evolution of international companies into global
firms, and the expanding role of e-commerce. The role of intercultural communication and
negotiation styles in global marketing strategies is studied in detail.
3 CREDITS

IN 323 — IMPORT/EXPORT REGULATIONS
Prerequisite: IN 312
Import and export regulations enforced by the U.S. Customs Service are presented, including
ECCN and HTSUS classification, country of origin, customer screening, export licensing,
quota/visa, required import/export documentation, and valuation. Students develop an import
or export international business plan.
3 CREDITS
IN 324 — INTERNATIONAL MARKETING RESEARCH
Prerequisite: IN 322
Students learn how to plan, implement, and present an international marketing research project. The course explores secondary data that are available through libraries, public agencies, and online resources and analyzes strategies for generating primary data in foreign markets. International team-building and presentation skills are reviewed and practiced. Lectures and critiques are provided by guest speakers from the industry.
3 CREDITS

IN 341 — INTERNATIONAL LOGISTICS
International logistics—the organized movement of goods, services, and people across countries—is explored. Students survey the impact of market, government regulations, and technological forces on ground, ocean, and air transportation systems. International conventions and the role of unions in logistics are also studied.
3 CREDITS

IN 342 — INTERNATIONAL CORPORATE RESPONSIBILITY
Students study the sustainability movement, and how ethical, social, and environmental issues are being addressed by multinational corporations. Through the review of current case studies, the course examines the role of fashion businesses in creating socially responsible and eco-friendly global supply chains and their effect in international trade policies.
3 CREDITS

IN 343 — GLOBAL SOURCING
Prerequisite: IN 323
Students examine the import marketing process, import regulations, sources of supply, supplier management and development, and transportation in order to learn how to participate in the global marketplace and negotiate in cross-cultural situations.
3 CREDITS

IN 344 — INTERNATIONAL MANAGEMENT
This course is a guide to the world of international business and addresses the myriad factors that influence decision makers working in this environment. How organizational structure, personnel decisions, resource planning and allocation, and other business alternatives are affected by a firm’s global participation is assessed.
3 CREDITS

IN 341 — INTERNATIONAL BUSINESS LAW
Students develop a thorough understanding of the legal framework for international business transactions in the fashion and related industries. They learn how international sales contracts are structured, how international trade rules and national laws apply to cross-border transactions, and how international business disputes are settled.
3 CREDITS

IN 342 — INTERNATIONAL FINANCE
Prerequisite: MA 222 or MA 311
Students learn to use the basic principles and techniques of international financial management and develop an understanding of the financial environment in which multinational corporations and small international businesses operate. Focus is on international capital budgets and capital structure, international cash management, international tax regulations, management of currency and exchange-rate risks, and short- and long-term trade finance.
3 CREDITS

IN 343 — INTERNATIONAL BUSINESS STRATEGIES AND FASHION LAW
This management course introduces the strategic business considerations faced by international fashion firms as they set up operations in foreign markets. Students examine the market entry process of fashion firms and identify key financial, legal, management, and marketing issues.
3 CREDITS

IN 492 — INTERNATIONAL TRADE PRACTICUM
Prerequisite: IN 312 or approval of chairperson
This course offers students a field trip to a key country of a regional trade agreement to experience international trade’s impact on consumers, the fashion industries, and governments of foreign markets. Participants learn to conduct international field research, source international contacts, and develop safe travel skills. Students’ findings are summarized in a written case study. An application must be submitted in the prior semester for a student to be considered for the course.
3 CREDITS; APPROXIMATELY FOUR WEEKS IN JANUARY OR JUNE

Interdivisional Studies

IS 299 — INDEPENDENT STUDY
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

IS 313 — ENVIRONMENTAL EXPERIENCE
For baccalaureate-level Interior Design students. Explores the social nature of human beings, how they adapt the environment to suit their needs, and how they react perceptually and behaviorally to the built environment. Emphasis is placed on the designer’s role/responsibility in reacting sensitively to specific use-groups and improving their quality of life.
3 CREDITS

IS 499 — INDEPENDENT STUDY
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

Italian

IT 111 — ITALIAN I
This introductory course enables students with no background in Italian to communicate with Italian-speaking people. The basic skills of speaking, reading, and writing in Italian are established, and Italian culture is introduced. Teacher-instructed multimedia laboratory sessions reinforce skills learned in the classroom. (G8: Foreign Language)
3.5 CREDITS; 3 LECTURE AND 1 LABORATORY HOURS PER WEEK

IT 112 — ITALIAN II
Prerequisite: IT 111 or equivalent
Students expand upon the skills established in Italian I and continue to study Italian culture. Teacher-instructed multimedia laboratory sessions reinforce skills learned in the classroom. (G8: Foreign Language)
3.5 CREDITS; 3 LECTURE AND 1 LABORATORY HOURS PER WEEK

IT 122 — ITALIAN CONVERSATION I
Prerequisite: IT 111 or equivalent
Students learn to converse in Italian by emphasizing interaction in real-life situations. Functional and practical verbal communications are addressed with a focus on Italian culture.
3 CREDITS
JA 112 — JAPANESE CONVERSATION I  
**Prerequisite:** JA 111 or equivalent  
Students learn to converse in Japanese by emphasizing interaction in real-life situations. Functional and practical verbal communications are addressed, with a focus on Japanese culture.  
3 CREDITS  

JA 213 — JAPANESE III  
**Prerequisite:** JA 112 or equivalent  
This intermediate course is designed to review and refine students’ communication skills in Japanese. Supplementary reading materials (including poetry, short stories, and magazine and newspaper articles), films, and videos further the students’ knowledge of Japanese culture. Teacher-instructed multimedia laboratory sessions reinforce skills learned in the classroom.  
(G8: Foreign Language)  
3.5 CREDITS; 3 LECTURE AND 1 LABORATORY HOURS PER WEEK  

JA 214 — JAPANESE IV  
**Prerequisite:** JA 213 or equivalent  
Building on Japanese III, students refine their communication skills in Japanese. More advanced supplementary reading materials (including poetry, short stories, and magazine and newspaper articles), films, and videos further the students’ knowledge of Japanese culture. Teacher-instructed multimedia laboratory sessions reinforce skills learned in the classroom.  
(G8: Foreign Language)  
3.5 CREDITS; 3 LECTURE AND 1 LABORATORY HOURS PER WEEK  

Japanese  

JA 111 — JAPANESE I  
This introductory course enables students with no background in Japanese to communicate with Japanese-speaking people. The basic skills of speaking, reading, and writing in Japanese are established and Japanese culture is introduced. Teacher-instructed multimedia laboratory sessions reinforce skills learned in the classroom.  
(G8: Foreign Language)  
3.5 CREDITS; 3 LECTURE AND 1 LABORATORY HOURS PER WEEK  

JA 112 — JAPANESE II  
**Prerequisite:** JA 111 or equivalent  
Students expand upon the skills established in Japanese I and continue to study Japanese culture. Teacher-instructed multimedia laboratory sessions reinforce skills learned in the classroom.  
(G8: Foreign Language)  
3.5 CREDITS; 3 LECTURE AND 1 LABORATORY HOURS PER WEEK  

JA 212 — JAPANESE CONVERSATION I  
**Prerequisite:** JA 111 or equivalent  
Students learn to converse in Japanese by emphasizing interaction in real-life situations. Functional and practical verbal communications are addressed, with a focus on Japanese culture.  
3 CREDITS  

JA 213 — JAPANESE III  
**Prerequisite:** JA 112 or equivalent  
This intermediate course is designed to review and refine students’ communication skills in Japanese. Supplementary reading materials (including poetry, short stories, and magazine and newspaper articles), films, and videos further the students’ knowledge of Japanese culture. Teacher-instructed multimedia laboratory sessions reinforce skills learned in the classroom.  
(G8: Foreign Language)  
3.5 CREDITS; 3 LECTURE AND 1 LABORATORY HOURS PER WEEK  

JA 214 — JAPANESE IV  
**Prerequisite:** JA 213 or equivalent  
Building on Japanese III, students refine their communication skills in Japanese. More advanced supplementary reading materials (including poetry, short stories, and magazine and newspaper articles), films, and videos further the students’ knowledge of Japanese culture. Teacher-instructed multimedia laboratory sessions reinforce skills learned in the classroom.  
(G8: Foreign Language)  
3.5 CREDITS; 3 LECTURE AND 1 LABORATORY HOURS PER WEEK  

Jewelry Design  

JD 101 — PRINCIPLES OF JEWELRY DESIGN  
Basic processes used in the design and creation of jewelry. Students fabricate their own designs in the studio.  
(G6: Arts)  
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK  

JD 113 — BEGINNING SOLDERING TECHNIQUES  
**Co-requisites:** JD 114, JD 121, JD 131, JD 133, and JD 172, or approval of chairperson  
Introduces precision techniques in soldering and shaping jewelry. Emphasis is on exact measurements, and control of jewelry tools and soldering torches.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK  

JD 114 — PIERCING AND SAWING TECHNIQUES  
**Co-requisites:** JD 113, JD 121, JD 131, JD 133, and JD 172, or approval of chairperson  
Proper use of the jeweler’s saw is emphasized and the eye is trained to understand the balance between positive and negative spaces. Students pierce and saw an intricate design in flat sheet stock.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK
JD 115 — METAL FORMING TECHNIQUES
Prerequisites: all first-semester Jewelry Design courses or, approval of chairperson
Co-requisites: JD 116, JD 122, JD 134, JD 171, and JD 173, or approval of chairperson
Introduces students to jewelry forming techniques by making their own dapping and chasing tools by means of forging, annealing, and tempering. Using these tools, objects are created by repoussé and other methods.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

JD 116 — COSTUME JEWELRY WHITE METAL MODELS
Prerequisites: all first-semester Jewelry Design courses
Co-requisites: JD 115, JD 122, JD 134, JD 171, and JD 173, or approval of chairperson
Students learn white metal modellmaking techniques and develop skills in the basic hand and machine processes used in the production of costume jewelry. These models will be made into molds and produced in JD 122.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

JD 121 — WAX CARVING
Co-requisites: JD 113, JD 114, JD 131, JD 133, and JD 172, or approval of chairperson
Wax carving of designs suitable for jewelry, stressing illusion and perspective, needed for both brooches and rings. Emphasis is on preparing a design and model for production.
1 CREDIT; 2 LABORATORY HOURS PER WEEK

JD 122 — JEWELRY CASTING
Prerequisite: JD 121
Using designs developed in JD 121, students cast, learning the chemistry of alloying metals and the principles in all casting methods. Experience also is acquired in mold-making, spruing, and investing.
2 CREDITS; 1 LECTURE AND 2 LABORATORY HOURS PER WEEK

JD 131 — MECHANICAL DRAFTING FOR JEWELERS
Co-requisites: JD 113, JD 114, JD 121, JD 133, and JD 172, or approval of chairperson
Designed to teach students the fundamentals of mechanical and plan drawing as it applies to materials, mechanisms, concepts, and designs used in jewelry.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

JD 132 — JEWELRY DESIGN
Co-requisites: JD 113, JD 114, JD 121, JD 131, and JD 172, or approval of chairperson
Emphasis is on developing creative ability. A visual sensitivity is developed through museum trips, nature studies, field trips, etc. Suitable rendering techniques, painting, and perspective requirements are covered.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

JD 133 — JEWELRY DESIGN
Prerequisites: all first-semester Jewelry Design courses
Co-requisites: JD 115, JD 116, JD 122, JD 171, and JD 173, or approval of chairperson
Advanced illustrative techniques in jewelry design. An elementary knowledge of stones, both precious and semi precious, is given for incorporating in design. Assigned projects focus on industry requirements.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

JD 134 — JEWELRY DESIGN
Prerequisites: all first-semester Jewelry Design courses
Co-requisites: JD 115, JD 116, JD 122, JD 171, and JD 173, or approval of chairperson
Students create two- and three-dimensional computer-generated drawings and models specific to jewelry design. Using modeling software and other computer applications, students develop basic jewelry design skills to create a personal style.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

JD 138 — INTRODUCTION TO CAD FOR JEWELRY DESIGN
Prerequisites: CG 111 and JD 131, or approval of chairperson
Students create two- and three-dimensional computer-generated drawings and models specific to jewelry design. Using modeling software and other computer applications, students develop basic jewelry design skills to create a personal style.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

JD 171 — STRENGTH AND MATERIALS
Students learn basic chemistry and physics as they pertain to materials used in jewelry. Emphasis is on how chemicals and acids used in the industry, and the chemical composition of various stones, affect production.
2 CREDITS

JD 172 — TOOLS AND EQUIPMENT FOR INDUSTRY
Co-requisites: JD 113, JD 114, JD 121, JD 131, and JD 133, or approval of chairperson
Study of the tools, equipment, and supplies used in the jewelry industry. Discusses quality, function, and care of equipment, including sources and pricing.
1 CREDIT

JD 173 — MATERIALS AND FINDINGS FOR THE JEWELRY INDUSTRY
Prerequisites: all first-semester Jewelry Design courses
Co-requisites: JD 115, JD 116, JD 122, JD 134, and JD 171, or approval of chairperson
Studies buying procedures, sources, and up-to-date technology in the jewelry industry. Discusses precious and non-precious materials as well as sizes, nomenclature, and methods used in jewelry manufacturing.
1 CREDIT

JD 181 — BASIC PRINCIPLES OF APPRAISING JEWELRY
Establishes methods and values in the appraisal of jewelry and precious and semi precious stones. Students acquire familiarity with the simple tests that are available and are given guidance on current market prices.
2 CREDITS; 1 LECTURE AND 2 LABORATORY HOURS PER WEEK

JD 201 — MINERAL IDENTIFICATION AND LAPIDARY
Using appropriate tools and instruments, students learn how to identify a variety of semiprecious materials and their specific properties. Emphasizes applications of these materials for the decorative arts.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

JD 213 — EXPERIMENTAL TECHNIQUES IN METALS
Prerequisites: all second-semester Jewelry Design courses
Co-requisites: JD 214, JD 215, JD 216, and JD 251, or approval of chairperson
Acquaints students with little-known experimental techniques in metalworking such as the Japanese methods of mokume-gane and shakudo.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

JD 214 — HANDMADE DIAMOND JEWELRY TECHNIQUES
Prerequisites: all second-semester Jewelry Design courses
Co-requisites: JD 213, JD 215, JD 216, and JD 251, or approval of chairperson
Students develop the start-to-finish techniques used by industry craftspeople in the creation of handmade diamond jewelry. Includes design layout, making of a copper chablon, planning the weight and use of diamonds, and the cutting of azures.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

JD 215 — PLASTICS AND INDUSTRIAL MATERIALS
Prerequisites: all second-semester Jewelry Design courses
Co-requisites: JD 213, JD 214, JD 216, and JD 251, or approval of chairperson
Covers the design approaches and special methods used in the manufacture of jewelry from common industrial materials, such as plastics, rubber, and stainless steel. Students design and produce prototypes for a small collection.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK
JD 216 — PIERCING AND METAL CARVING
Prerequisites: all second-semester Jewelry Design courses
Co-requisites: JD 213, JD 214, JD 215, and JD 251, or approval of chairperson
Concentrates on advanced piercing and metal carving techniques to create ring designs. Students maintain diaries of sketchwork and research.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

JD 217 — HANDMADE PLATINUM JEWELRY
Prerequisites: all third-semester Jewelry Design courses
Co-requisites: JD 218, JD 219, and JD 252, or approval of chairperson
Introduces various methods used in the making of handmade platinum jewelry, drawing upon skills learned in JD 214.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

JD 218 — HOLLOW FORM JEWELRY
Prerequisites: all third-semester Jewelry Design courses
Co-requisites: JD 217, JD 219, and JD 252, or approval of chairperson
An intensive study of hollow form jewelry techniques to produce an original finished product of exhibition quality. Includes technical drawing and fabrication of a scale model.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

JD 219 — CLASPS, CLOSINGS, AND FINDINGS
Prerequisites: all third-semester Jewelry Design courses
Co-requisites: JD 217, JD 218, and JD 252, or approval of chairperson
Based on the principles of mechanical devices, students learn about and produce clasps, closings, and earbacks.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

JD 231 — OBJECTS DESIGN AND RENDERING
Prerequisites: all second-semester Jewelry Design courses
Co-requisites: JD 233 and JD 263, or approval of chairperson
Rendering of objects and accessories from shoes and belt buckles to hair ornaments and handbags. Studies colored glass, enamel, and rhinestones used in these accessories.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

JD 233 — JEWELRY DESIGN
Prerequisites: all second-semester Jewelry Design courses
Co-requisites: JD 231 and JD 263, or approval of chairperson
Students are required to present an entire collection of jewelry around a particular viable theme such as certain stones, metals, or a specific market.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

JD 235 — FINE JEWELRY PORTFOLIO
Prerequisites: all third-semester Jewelry Design courses
Co-requisite: JD 236 or approval of chairperson
Students develop a portfolio of fine jewelry renderings, from a variety of precious and semi-precious materials, that reflect their level of accomplishment and an understanding of industry requirements.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

JD 236 — COSTUME JEWELRY PORTFOLIO
Prerequisites: all third-semester Jewelry Design courses
Co-requisite: JD 235 or approval of chairperson
Students prepare a portfolio of costume jewelry renderings, creating seasonal lines that reflect their level of accomplishment and an understanding of industry requirements.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

JD 241 — GEMOLOGY I
Study of the major gem species and their characteristics, with emphasis on their use in commercial production and price structure. Students acquire a thorough knowledge of all precious and semi precious stones and the ways in which they are used in jewelry.
2 CREDITS; 1 LECTURE AND 2 LABORATORY HOURS PER WEEK

JD 243 — GEMOLOGY II
Prerequisite: JD 241
A gem identification course with students learning the use of various laboratory equipment such as the gemological microscope, dichroscope, polariscope, specific gravity balance, refractometer, ultraviolet light, spectroscope, and other instruments used in gem identification.
1.5 CREDITS; 3 LABORATORY HOURS PER WEEK

JD 244 — GEMOLOGY III
Prerequisites: JD 243 and JD 281, or approval of chairperson
An in-depth study of gem materials and their synthetic counterparts is provided. Topics include functionality of gem equipment and its application in gem testing, and an understanding of the development of a gem material from its atomic structural nature to a polished gem.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

JD 251 — PRINCIPLES OF SILVERSMITHING
Basic study of silversmithing, including advanced use of repousse, chasing, and forming. Small simple projects in either silver, bronze, or copper are created to study these basic procedures.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

JD 252 — SILVERSMITHING PROJECT STUDIO
Prerequisite: JD 251
Creation of a handmade, hand-formed silver piece with emphasis on developing student’s creative ability. Project should be a major work of exhibition quality.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

JD 261 — CHANGES AND TRENDS IN JEWELRY DESIGN
Study of the symbolic meaning as well as the economic rationale for jewelry in modern society. Students are made aware of stylistic differences, the reasons for them, and how styles are influenced by social and political events.
2 CREDITS

JD 262 — ESTIMATING COSTS
Prerequisites: all second-semester Jewelry Design courses
Co-requisites: all third-semester Jewelry Design courses specific to option, or approval of chairperson
Using current industry pricing standards, students estimate the cost of their own designs made of precious, semi precious, or non-precious materials and stones.
1 CREDIT

JD 263 — COSTUME JEWELRY PRODUCTION AND MARKETING
Prerequisites: all second-semester Jewelry Design courses
Co-requisites: JD 231 and JD 233
Explains jewelry fashion theory, principles, and cycles and their relationship to jewelry line development while studying trends in ready-to-wear, European, and American designer collections.
3 CREDITS
**La 221 — U.S. History: Civil War to Present**
Prerequisite: EN 121
An introduction to American history, this course moves from a brief view of American geography, economics, and government to a more focused examination of the social, political, and economic experience from the Civil War through the Cold War and to the present. Students are introduced to basic historical methodology and learn to apply these techniques through critical reading, analytical writing, and oral presentations. (G10: American History)

3 Credits

**La 299 — Independent Study**
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

**La 321 — Survey of American Music**
A study of the major styles, trends, and significant composers in American music. Through lecture and demonstration, students explore various types of music, including blues, current trends, folk, jazz, rock, show, and symphonic, focusing on their relation to the American experience. No musical background is necessary. (G6: Arts)

3 Credits

**La 391 — Issues in the Humanities and Technology (Honors)**
Prerequisite: qualification for Presidential Scholars Program, or 3.5 GPA with approval of dean for Liberal Arts
Examines the relationship between cultural traditions and the technological present and future. Current issues in medicine, science, the arts, and artificial intelligence provide the platform to study the impact of technology on human society and the world. Major philosophical positions, definitions of terms, and their social and historical contexts are discussed. (G7: Humanities)

3 Credits

**La 392 — United States History and Culture, 1860 to Present (Honors)**
Prerequisite: qualification for Presidential Scholars Program, or 3.5 GPA with approval of dean for Liberal Arts
Major historic events and developments in United States history from 1860 to the present are examined in the context of their impact on the country's government, politics, and culture. Works by painters, photographers, sculptors, advertisers, dancers, musicians, novelists, filmmakers, and dramatists are used to broaden the study of U.S. history. (G10: American History)

3 Credits

**La 394 — The Old and New Testaments in the History of Ideas (Honors)**
Prerequisite: qualification for Presidential Scholars Program, or 3.5 GPA with approval of dean for Liberal Arts
Students examine the influence of selected books, chapters, and verses from the Old and New Testaments on the literature, philosophy, theology, and politics of western civilization. Emphasis is given to ideas located in scripture as they have been developed by religious thinkers, systematic theorists, and creative artists. (G5: Western Civilization; G7: Humanities)

3 Credits

**La 395 — Masterpieces of Music in the European Classical Tradition (1500 to Present) (Honors)**
Prerequisite: qualification for Presidential Scholars Program, or 3.5 GPA with approval of dean for Liberal Arts
This course is a survey of the major masterpieces of music in the European Classical tradition, with an emphasis on the compositional approaches that led to their creation. Through lectures and demonstrations, the course covers the main musical developments associated with the Medieval, Renaissance, Baroque, Classic, Romantic, and Modern periods. No previous musical background is required. (G6: Arts)

3 Credits

**La 396 — Religion and Religious Dissent in American History to the Civil War (Honors)**
Prerequisite: qualification for Presidential Scholars Program, or 3.5 GPA with approval of dean for Liberal Arts
Students examine the ways in which religious controversies have figured, directly and indirectly, in many of the major events in the early history of the United States, up to and including the Civil War. (G7: Humanities; G10: American History)

3 Credits

**La 397 — New York City and the Invention of America (Honors)**
Prerequisite: qualification for Presidential Scholars Program, or 3.5 GPA with approval of dean for Liberal Arts
Students learn the history of America from the Civil War to the present, through the lens of its greatest metropolis. Readings stress the roles that New York has played as innovator, counterpoint, and despised exception in the culture, economics, politics, and technology of the U.S. Students develop skills in basic primary research, public speaking, reading comprehension, and writing and revising. (G10: American History)

3 Credits

**La 499 — Independent Study**
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

**Accessories Design**

**Ld 101 — Accessories Design**
For students not majoring in Accessories Design. Introduction to major areas of accessories design. Various types of shoes, handbags, and belts are analyzed in terms of materials, construction, and presentation. Students acquire hands-on techniques in all three phases.

2 Credits; 1 Lecture and 2 Studio Hours per Week
LD 111 — LEATHER AND MATERIALS TECHNOLOGY  
Co-requisites (for one-year AAS students): LD 121 and LD 165  
Processes in the development of leathers, reptiles, plastics, and other textiles are analyzed. Emphasis is on the function and utilization of each for handbags, footwear, and related accessories.  
2.5 CREDITS; 2 LECTURE AND 1 STUDIO HOURS PER WEEK

LD 112 — DECORATIVE LEATHER TECHNIQUES  
Studying such ornamentation techniques as trapunto, inlay, wetting, pleating, and weaving, students learn how to apply them to leather apparel and accessories design. Basic patternmaking skills used in the construction of handbags, belts, and portfolios are taught.  
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

LD 121 — ACCESSORIES DESIGN AND HUMAN ANATOMY  
Studies the anatomical components of the foot, spine, and upper torso with emphasis on how their functioning affects the development of footwear, handbags, and related accessories.  
1.5 CREDITS; 1 LECTURE AND 1 STUDIO HOUR PER WEEK

LD 133 — FOOTWEAR DESIGN AND CONSTRUCTION I  
Co-requisite: LD 121  
The basic concepts of footwear design are introduced and the history and types of footwear are discussed. Students develop skills for working with a last and learn patternmaking, sewing, construction, and finishing techniques for closed shoes.  
3 CREDITS; 1 LECTURE AND 4 STUDIO HOURS PER WEEK

LD 134 — FOOTWEAR DESIGN AND CONSTRUCTION II  
Prerequisites: LD 111, LD 121, and LD 133  
Students analyze last styles, leathers, and components in terms of functionality and design. They continue to develop patternmaking skills by designing and making mules and oxfords.  
3 CREDITS; 1 LECTURE AND 4 STUDIO HOURS PER WEEK

LD 143 — HANDBAG DESIGN AND CONSTRUCTION I  
Co-requisites: LD 111 and LD 121  
The skills to design and produce handbags are taught. Students become familiar with patternmaking techniques, machinery and equipment, and the various styles in handbag design. They learn how to translate original concepts into finished products.  
3 CREDITS; 1 LECTURE AND 4 STUDIO HOURS PER WEEK

LD 144 — HANDBAG DESIGN AND CONSTRUCTION II  
Prerequisite: LD 143  
Patternmaking and sample making techniques are developed further as students design and construct frame and box bags.  
3 CREDITS; 1 LECTURE AND 4 STUDIO HOURS PER WEEK

LD 145 — HANDBAG RECONSTRUCTION  
Prerequisite: LD 144  
Students learn how to evaluate a handbag to determine if it can be restored. They refurbish a handbag, learning how to reconstruct worn or broken components.  
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

LD 165 — SKETCHING ACCESSORIES  
For one-year Accessories Design students. This accelerated course introduces the various areas of accessory design, including handbags, gloves, shoes, hats, and belts. Students learn to draw and render current materials and textures applicable to today’s market.  
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

LD 181 — ERGONOMICS FOR ATHLETIC FOOTWEAR  
This in-depth study of the ergonomic requirements of footwear for myriad athletic activities focuses on the anatomy and function of the lower extremities while maintaining design considerations. Students learn technical features and engineering requirements such as cushioning, shock resistance, and lateral support as well as environmental and safety issues.  
2 CREDITS

LD 182 — PERFORMANCE MATERIALS FOR ATHLETIC FOOTWEAR  
Prerequisite: LD 181  
Students learn about the different types of performance materials used in all aspects of athletic footwear construction.  
2 CREDITS

LD 183 — TARGET MARKET RESEARCH FOR ATHLETIC FOOTWEAR  
Prerequisite: LD 182  
Quantitative and qualitative research methods are studied in order to better understand product, marketing, and distribution trends and requirements in athletic footwear. Emphasis is placed on conducting focus group studies.  
2 CREDITS

LD 226 — INTRODUCTION TO LINE BUILDING  
Prerequisites: LD 134, LD 144, and LD 261  
Using a specific theme or season, students learn the principles of line building by designing and producing a collection of accessories. Emphasis is on workmanship, fabrication, and execution of designs.  
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

LD 231 — BOOT PATTERNMAKING AND CONSTRUCTION  
Prerequisite: LD 134  
Students design and construct three different boot types: cowboy, Chelsea, and thigh-high. Boot detailing, advanced patternmaking, grading, and lasting techniques are taught.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

LD 232 — HANDMADE SHOE CONSTRUCTION  
Prerequisites: LD 111, LD 121, and LD 144  
Using such techniques as the pillow gusset/bottom and strip construction, students explore new handbag designs. Advanced patternmaking skills are taught. Emphasis is on detailing.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

LD 242 — ADVANCED HANDBAG CONSTRUCTION  
Prerequisites: LD 111, LD 121, and LD 144  
Co-requisite: LD 261  
The exploration of the design of the belt as a fashion and functional accessory is presented. Students acquire the skills needed to make several different kinds of belts.  
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

LD 251 — SPORT-SPECIFIC ACCESSORIES  
Prerequisite: TS 171  
Students are introduced to the sports accessories market with a focus on millinery, gloves, footwear, and carrying gear. They learn about environmental and safety issues relevant to sports, analyze materials, understand the relationship of biophysics to sport-specific accessories, and explore the necessity of product testing. A new or improved sport accessory is developed.  
3 CREDITS; 2 LECTURE AND 2 STUDIO HOURS PER WEEK
LD 252 — SMALL LEATHERGOODS FOR MEN  
Prerequisite: LD 143  
Learning how to design and construct a variety of small leathergoods, students focus on the patternmaking and sample-making techniques required to produce a billfold, agenda, and travel kit for men. 
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

LD 261 — SKETCHING ACCESSORIES  
Students are introduced to the concept of three-dimensional sketching and how it relates to accessories design. Concentrating on design detail, they learn to sketch the basic shapes in footwear, handbags, personal leather goods, and belts. 
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

LD 293 — DEVELOPING A SUCCESSFUL PORTFOLIO  
Prerequisites: LD 111, LD 121, and (LD 165 or LD 261)  
Working with industry design critics, students learn the fundamentals of assembling a professional portfolio for employment in the accessories industry. Using Adobe Photoshop and Adobe Illustrator, they explore marker rendering, theme pages, and print work. Areas of specialization are showcased. 
3 CREDITS; 2 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

LD 299 — INDEPENDENT STUDY IN ACCESSORIES DESIGN  
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean  
VARIABLE CREDITS (3 CREDITS MAXIMUM)

LD 331 — ATHLETIC FOOTWEAR DESIGN  
Prerequisite: LD 134  
Students learn the aspects of athletic footwear in order to design and construct original products. Emphasis is on the variety of categories including running, basketball, and tennis. 
3 CREDITS; 1 LECTURE AND 4 STUDIO HOURS PER WEEK

LD 332 — THEATRICAL AND CHARACTER FOOTWEAR  
Prerequisite: LD 134  
Students design period shoes for the theater by learning about the history of footwear, design, and construction. 
3 CREDITS; 2 LECTURE AND 2 STUDIO HOURS PER WEEK

LD 341 — EXPERIMENTAL HANDBAG TECHNIQUES  
Prerequisite: LD 144  
Innovative, non-traditional handbags are designed and constructed using a variety of classic patternmaking styles. Emphasis is on the use of unconventional materials and methods to create new concepts in handbag design. 
3 CREDITS; 1 LECTURE AND 4 STUDIO HOURS PER WEEK

LD 351 — DESK ACCESSORIES  
Prerequisite: LD 242  
Students design and construct a collection of desk accessories with emphasis on aesthetics, trends, and marketing. 
3 CREDITS; 1 LECTURE AND 4 STUDIO HOURS PER WEEK

LD 431 — ATHLETIC FOOTWEAR CONSTRUCTION  
Prerequisite: LD 134  
Students become familiar with the construction skills specific to athletic footwear by learning the history and evolution of this category. Fashion, style, and function are addressed. 
3 CREDITS; 1 LECTURE AND 4 STUDIO HOURS PER WEEK

LD 451 — SPORTS-SPECIFIC BAGS AND CARRYING GEAR  
Prerequisite: LD 144 or LD 341  
The types of bags and carrying gear necessary for specific sports activities and technological gear are studied. Students learn how to develop the appropriate patterns and product while focusing on materials, proper fit, and protection of equipment. 
3 CREDITS; 1 LECTURE AND 4 STUDIO HOURS PER WEEK

LD 471 — THE ACCESSORIES INDUSTRY  
This course provides a general overview of the industry: the history of accessories; import, export, and domestic manufacturing; developing a collection for a specific-target market; and writing a business plan. 
2 CREDITS

LD 491 — ACCESSORIES DESIGN SENIOR PROJECT  
Prerequisites: LD 341 and LD 471  
Co-requisite: LD 492  
This capstone course provides students with the opportunity to select a design project in a specific accessories category. Mastery of research techniques, design construction, and oral presentation is considered. 
3 CREDITS; 6 STUDIO HOURS PER WEEK

LD 492 — PORTFOLIO DEVELOPMENT  
Prerequisites: LD 341 and LD 471  
Co-requisite: LD 491  
Using elements of their senior projects, students develop portfolios by working with black line sketches and Adobe Illustrator and Adobe Photoshop. Spec sheets, concept pages, and mood boards are included for professional presentation. 
2.5 CREDITS; 1 LECTURE AND 3 COMPUTER LABORATORY HOURS PER WEEK

Mathematics

*ARITHMETIC PROFICIENCY* is a requirement for the AAS degree. Based on the arithmetic placement test, a student who shows need for improvement in arithmetic may be required to enroll in either MA 001 or MA 002 or in a math independent learning program (MD 008) before registering for classes that have arithmetic proficiency as a prerequisite. Arithmetic proficiency may also be demonstrated by a qualifying score on the mathematics portion of the SAT or ACT, or by transfer credit in college algebra, quantitative methods, pre-calculus, or calculus, or by a passing grade in an equivalent developmental mathematics course offered at another accredited college or university.

**ALGEBRA PROFICIENCY** is a prerequisite for MA 131, MA 213, MA 311, and MA 331 courses, which are required for the BS degrees in Advertising and Marketing Communications, Cosmetics and Fragrance Marketing, Direct and Interactive Marketing, Fashion Merchandising Management, International Trade and Marketing for the Fashion Industries, and Production Management: Fashion and Related Industries. Based on the algebra placement test, a student who shows need for improvement in algebra will be required to enroll in MA 003 (Algebra Review) before registering for classes that have Algebra proficiency as a prerequisite. A student may also choose to register for MA 003 without taking the placement test. Algebra proficiency may also be satisfied by a qualifying score on the mathematics portion of the SAT or ACT, or by transfer credit in college algebra, quantitative methods, pre-calculus, or calculus, or by a passing grade in an equivalent developmental mathematics course offered at another accredited college or university.
MA 001 — DEVELOPMENTAL MATHEMATICS I
Prerequisite: arithmetic proficiency*
Concentrates on fundamental arithmetic skills and applications, using the computer as a learning tool. Topics include operations on real numbers, exponation and order of operations, ratio and proportion, systems of measurement, fractions, decimals, and percents. Fundamentals of algebra and geometry are introduced.
0 CREDITS; 4 LECTURE HOURS PER WEEK

MA 002 — DEVELOPMENTAL MATHEMATICS II
Prerequisite: arithmetic proficiency*
An accelerated arithmetic course emphasizing applications, and including such topics as percents, operations on fractions, ratios and proportions, and conversion between the metric and English measurement systems. Fundamentals of algebra and geometry are introduced. The computer is used as a learning tool.
0 CREDITS; 2 LECTURE HOURS PER WEEK

MA 003 — ALGEBRA REVIEW
Prerequisite: algebra proficiency**
Prerequisite for MA 131, MA 213, MA 311, and MA 331, and for those students who need improvement in algebra. Reviews basic algebra topics such as signed numbers, solving linear and simultaneous equations, factoring, exponents, and graphing linear equations, with emphasis on verbal problems.
0 CREDITS; 2 HOURS PER WEEK

MA 005 — DEVELOPMENTAL MATH FOR FASHION MERCHANDISING MANAGEMENT
Prerequisite: MA 001 and/or appropriate score on Fashion Merchandising Management math placement test
A developmental math course specifically designed for FMM students. In addition to the fundamentals of arithmetic, emphasis is placed on the skills needed for the quantitative study of merchandising in the FMM curriculum.
0 CREDITS; 4 LECTURE HOURS PER WEEK

MA 041 — GEOMETRY AND PROBABILITY SKILLS
Prerequisite: arithmetic proficiency*
Co-requisite: MA 241
For Toy Design students. This course helps students develop the fundamental computational skills required for MA 241.
0 CREDITS; 1 HOUR PER WEEK

MA 113 — COLLEGE MATHEMATICS FOR BUSINESS AND TECHNOLOGY
Prerequisite: arithmetic proficiency*
Focusing on mathematics for business and technology, this course reinforces computational skills and enables students to analyze and quantify problems in statistics, linear programming, graph theory, and finance. (G2: Mathematics)
3 CREDITS

MA 131 — PRECALCULUS
Prerequisite: algebra proficiency**
This traditional precalculus course introduces students to math concepts for a wide variety of applications. Topics include polynomial, rational, exponential, and logarithmic functions; sequences and series; analytic geometry; and trigonometry. (G2: Mathematics)
3 CREDITS

MA 161 — MATHEMATICAL IDEAS
Prerequisite: arithmetic proficiency*
Provides an overview of the historic, heuristic, and visual dimensions of mathematics. Includes the golden ratio, fractal geometry, sets and groups, logic and circuits, Euler diagrams, number theory, and discrete math. (G2: Mathematics)
3 CREDITS

MA 213 — QUANTITATIVE METHODS
Prerequisite: algebra proficiency**
Explores the mathematical model-building process in the settings provided by linear programming and probability. Includes simplex methods for solving linear programs; duality; matrix algebra; probability models based on equally likely outcomes, independent events, and conditional probability; applications, particularly to business and economics; and elementary math of finance. (G2: Mathematics)
3 CREDITS

MA 222 — STATISTICAL ANALYSIS
Prerequisite: arithmetic proficiency*
Studies the principles and methods of statistical analysis including probability distributions, sampling distributions, error of estimate, significance tests, correlation and regression, chi-square, and ANOVA. Introduces the use of the computer to store, manipulate, and analyze data. (G2: Mathematics)
3.5 CREDITS; 3 LECTURE AND 1 COMPUTER LABORATORY HOURS PER WEEK

MA 241 — TOPICS IN PROBABILITY AND GEOMETRY
Co-requisite: MA 041
For Toy Design students. The understanding of geometry and probability in everyday natural and social environments and their use as tools for analysis and creativity in toy design. Shapes and figures are examined through geometrical study. Problems in probability are translated from mathematical concepts to real situations. (G2: Mathematics)
3 CREDITS

MA 242 — GEOMETRY AND THE ART OF DESIGN
Prerequisite: arithmetic proficiency*
A contemporary primer of geometric topics that expand the concepts of shape and space, this course presents some of the established and emerging ways geometry can provide tools and insights for artists and designers. Included are a variety of visual phenomena such as fractals, knots, mazes, symmetry, and the golden ratio. (G2: Mathematics)
3 CREDITS

MA 299 — INDEPENDENT STUDY IN MATHEMATICS
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

MA 311 — MATHEMATICAL MODELING FOR BUSINESS APPLICATIONS
Prerequisite: algebra proficiency**
To instill the value of mathematics as a tool for modeling real-life situations, this course focuses on an analytical approach to business decision-making. Topics covered include finance, cash flow, probability, linear programming, and the business applications of basic equations. Microsoft Excel is used. (G2: Mathematics)
3 CREDITS; 2 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

*See Arithmetic Proficiency on page 251.
**See Algebra Proficiency on page 251.
**MA 331 — CALCULUS**
Prerequisite: algebra proficiency **
Develops basic principles of differential calculus and introduces integral calculus. Functions, graphing, and maxima-minima problems are studied in the context of business and other applications. (G2: Mathematics)
3 CREDITS

**MA 391 — MATHEMATICS OF THE ANCIENT WORLD IN ITS CULTURAL AND HISTORIC CONTEXT (HONORS)**
Prerequisites: qualification for Presidential Scholars or a minimum 3.5 GPA with approval of dean for Liberal Arts, arithmetic * and algebra proficiencies **, and a minimum grade of 85 on Regents Math III exam, or a minimum SAT math score of 530, or Math Gen. Ed. requirements
This interdisciplinary survey of mathematics from prehistory to Archimedes covers topics from the basic (different ways of conceiving numbers) to the complex (a proof of the Pythagorean theorem). The cultural and historical context of the mathematical achievements of ancient Egypt, Mesopotamia, and Greece are emphasized in a way that shows these achievements as a natural and integral part of the civilizations that created them. Comparisons to modern methods in mathematics are stressed. (G2: Mathematics)
3 CREDITS

**MD 008 — MATH INDEPENDENT LEARNING**
Prerequisite: appropriate score on arithmetic proficiency exam *
An accelerated arithmetic course emphasizing applications, including such topics as percents, operations on fractions, ratios and proportions, and conversion between the metric and English measurement systems. Fundamentals of algebra and geometry are introduced. Students are given computer software and customized assignments; work is done on their own time and computers. The final exam is given on campus.
0 CREDITS

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**Production Management: Fashion and Related Industries**

**MG 108 — APPAREL AND HOME TEXTILE PRODUCTS MANUFACTURING**
For Textile Development and Marketing students. Surveys manufacturing processes for apparel and home textile products beginning with product development to acquisition of fabrics through cutting, sewing, and finishing operations.
2 CREDITS; 1 LECTURE AND 2 LABORATORY HOURS PER WEEK

**MG 114 — PRINCIPLES OF PRODUCT CONSTRUCTION**
Prerequisite: TS 015/115, TS 111, or TS 131
Emphasizes the relationship between the quality and construction of a sewn product and focuses on the geometric principles of draping, drafting, and grading of industrial patterns. Students develop and interpret original patterns using both manual and computerized methods and apply the data to written specifications.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

**MG 132 — MARKETING FOR MANUFACTURERS**
Students are introduced to the basic concept of marketing and the components of the marketing mix in order to understand how fashion products are developed and successfully distributed. Computer-assisted marketing, including barcoding, e-commerce, and the role of the internet, is investigated as a strategic tool for globalization.
3 CREDITS

**MG 152 — COMPUTER APPLICATIONS SOFTWARE**
Concepts and operations of computer data-processing systems for business production applications. Hands-on problem solving with commercial software for database management, spreadsheets, word processing, and graphics.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

**MG 153 — EXCEL FOR BUSINESS**
Prerequisite: MG 152 or Word and PowerPoint proficiency test
This course provides a comprehensive presentation of Microsoft Excel 2000. Topics include charting, data tables, financial functions, formatting, formulas, functions, what-if analysis, working with large worksheets, and other business-related topics.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

**MG 234 — SUPPLY CHAIN MANAGEMENT**
Prerequisite: MG 132
A thorough exploration of supply chain management from the manufacturer's perspective is presented. Major areas of global sourcing, vendor evaluation, quality assurance, materials resource planning, inventory control, and budget considerations are covered. Students develop a seasonal production plan as a final project.
3 CREDITS

**MG 241 — MANAGEMENT, TECHNOLOGY, AND GLOBALIZATION**
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

**MG 242 — PRINCIPLES OF ACCOUNTING**
An intensive introduction to accounting theory and practice, employing manual and data-processing techniques. Includes problems in double-entry principles, trial balances, adjustments, valuation reserves, closing of books, and preparation of financial statements. Also introduces accounting for manufacturing costs, apportionment of overhead, job order costs, process costs, and standard costs.
3 CREDITS

**MG 251 — DATABASE MANAGEMENT**
Prerequisite: AC 161 or MG 152 or MG 153 or TT 173, or equivalent, or placement test
Concepts of database management, including the basics of establishing field names, search options, and tables are taught. Integrating Microsoft Access with other programs within a microcomputer environment enables students to create charts and reports, develop forms, and link databases.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

**MG 252 — PRODUCT DATA MANAGEMENT**
Prerequisite: MG 152 or MG 153
This course offers a hands-on approach to learning how to generate, transmit, and manage product data in a global business environment. Students construct product document packages for use in engineering, finance, logistics, manufacturing, and quality control.
3 CREDITS; 2 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

**MG 299 — INDEPENDENT STUDY IN PRODUCTION MANAGEMENT: FASHION AND RELATED INDUSTRIES**
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

**MG 301 — APPAREL PRODUCTION: LABOR ANALYSIS**
For baccalaureate-level Fashion Design students. Study of apparel mass-production techniques. Examines the transition of apparel products from designer's samples to finished production merchandise. Explores human resource management and labor relations in an apparel firm.
2 CREDITS

*See Arithmetic Proficiency on page 251.
**See Algebra Proficiency on page 251.
MG 304 — INFORMATION SYSTEMS
Prerequisite: AC 161 or MG 152 or MG 153 or TT 173, or equivalent
This course presents an overview of management information systems (MIS) and how they impact the productivity and processes of a business organization. Case studies and problems focus on the issues of finances, human resources, organization, and technology as they relate to information systems.
2 CREDITS; 1 LECTURE AND 2 LABORATORY HOURS PER WEEK

MG 305 — PRODUCTION PROCESSES FOR MERCHANDISERS
For baccalaureate-level Fashion Merchandising Management students. This course introduces students to the processes and procedures used in the manufacturing of sewn products. Students learn about the types of equipment used, the specifications required to produce such products, and the methods for evaluating their construction, cost, and quality. The course is primarily designed for students without any background in the assembly and manufacturing processes.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

MG 306 — INFORMATION SYSTEMS: CASE ANALYSIS
Prerequisite: AC 161 or MG 152 or MG 153 or TT 173, or equivalent
Principles of management information systems (MIS) are addressed. Students use database and spreadsheet tools (Access and Excel) to problem-solve business situations and present their solutions in PowerPoint. Topics include the business functions of human resources, marketing and sales, finance and accounting, manufacturing, and technology support.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

MG 311 — MANUFACTURING I: EQUIPMENT ANALYSIS
Students develop a familiarity with the various kinds of assembly equipment used to construct sewn products. Stitchology, specifications development, and sourcing are also covered.
3 CREDITS; 2 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

MG 312 — MANUFACTURING II: PROCESS ANALYSIS
Prerequisite: MG 311
This course presents the principles of workplace engineering in order to identify labor- and cost-saving methods. Students conduct time and motion studies, consider standardization procedures, and analyze garment assembly methods as factors in realizing efficiencies on the manufacturing floor.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

MG 313 — CUTTING ROOM PROCESSES
Prerequisite: MG 114
The processes involved in the preproduction operations of sewn products—cut order planning, fabric utilization, marker making, fabric spreading, cutting, and costing—are studied. The fundamentals of laying out a cutting room and selecting equipment for specific applications are included. Students prepare markers by hand and computer.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

MG 401 — MANUFACTURING MANAGEMENT
For baccalaureate-level Fashion Design students. Examines business ownership and management, fashion manufacturer marketing philosophies, costing, and quality control. The financial aspects of a business are evaluated.
2 CREDITS

MG 403 — APPAREL MANUFACTURING PROCESSES
For students not majoring in Production Management: Fashion and Related Industries. Examines the organization of a manufacturing firm: analysis of production techniques, cost development, and quality management; exploration of the relationship between product specifications and manufacturers’ selling prices; and the study of customers’ product requirements and the manufacturers’ strategies for meeting them.
3 CREDITS

MG 411 — MANUFACTURING FACILITIES MANAGEMENT
Prerequisites: MG 312 and MG 313
Students examine the criteria for designing and arranging the elements of a manufacturing facility with emphasis on modifying existing space, handling complementary products, and understanding workflow and the effect on quality and cost. They design and develop a detailed manufacturing facility layout.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

MG 432 — STRATEGY, POLICY, AND DECISION MAKING
Prerequisites: MG 411 and MG 442
This capstone course presents students with the opportunity to synthesize knowledge gained in previous semesters and prepare a complete business plan for a manufacturing company. They develop human resource policies, organization charts, and manufacturing, financial, marketing, and merchandising plans.
3 CREDITS

MG 442 — PRODUCT COSTING
Prerequisites: MG 312, MG 313, and MG 242
Cost-accounting and industrial engineering concepts are applied to estimating, accumulating, and assigning costs to products that are mass produced by apparel and apparel-related companies. Students learn cost estimating techniques, practical methods to capture actual costs, and how to do variance analysis of actual and cost-estimated standards.
3 CREDITS

MG 499 — INDEPENDENT STUDY IN PRODUCTION MANAGEMENT: FASHION AND RELATED INDUSTRIES
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

Marketing: Fashion and Related Industries

MK 301 — MARKETING FOR THE TOY INDUSTRY
For Toy Design students. Application of basic marketing principles to the toy industry. Product development, market research, consumer behavior, product and pricing strategies, distribution, and international marketing are stressed.
3 CREDITS

MK 311 — PRINCIPLES OF MARKETING
Surveys the fundamental features of contemporary marketing systems, concepts, and principles. Students study the components of the marketing mix: product, planning, distribution, pricing, and promotion. Also addresses the social, legal, and international environments in which marketing functions.
3 CREDITS

Courses 256  Courses 257
Millinery

ML 113 — FOUNDATIONS IN HEADWEAR DESIGN
Students acquire basic stitching, patternmaking, and blocking skills while completing a beret, baseball cap, draped felt hat, and a one-piece blocked felt hat.
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

ML 114 — HEADWEAR DESIGN AND PATTERNMAKING
Prerequisite: ML 113
Students continue to master patternmaking skills while completing a stylized beret, cloche, and fabric hat. They learn how to manipulate felt and acquire an understanding of straws.
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

ML 121 — CLASSIC DESIGN AND TECHNIQUES
Introduces the basic elements of millinery design from conception to construction, including how to make a frame, a block, and a pattern.
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

ML 122 — ADVANCED CUSTOM MILLINERY
Prerequisite: ML 121
Students draw upon custom production techniques studied in ML 121 to design and execute custom-made hats in a variety of styles and materials. Emphasizes refining the design and construction of each hat as a three-dimensional sculptural object.
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

ML 123 — HATS FOR MEN
From blocked hats to baseball caps, students learn flat patternmaking, sewing, and blocking techniques in order to design and produce men’s hats.
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

ML 131 — A SURVEY OF TRIMS IN MILLINERY
This course introduces students to the world of millinery and the use of trims in both traditional and contemporary hatmaking. They learn about different hat silhouettes and how trims can alter them.
2.5 CREDITS; 2 LECTURE AND 1 STUDIO HOURS PER WEEK

ML 132 — DECORATIVE MILLINERY TRIMMING
Students master trimming techniques for use on hats, accessories, and apparel by working with silk flowers, silk cording, horsehair, feathers, and artificial fruits and vegetables.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

ML 241 — BRIDAL SPECIALIZATION
Prerequisite: ML 114
By completing a collection of hats for a wedding, students continue to master their blocking and sewing skills. How to block and create a classic turban is also taught. Students work with veiling and wire.
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

ML 242 — CONCEPTUAL HEADWEAR
Prerequisite: ML 114
Students further develop their patternmaking and blocking skills while learning to combine and manipulate different materials to make a hat. Helmet, hunting cap, draped leather crown, fur cuff hat, and a period hat are completed.
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

ML 291 — DEVELOPING A MILLINERY COLLECTION
Prerequisite: ML 113 or ML 114
The development and distribution of a millinery line is explored. Students learn the value of mood boards and concept declarations, research the business aspects of getting a collection to market, and interpret fashion forecasting information in order to incorporate it into their collections.
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

Menswear

MW 131 — MENSWEAR FLAT PATTERNMAKING DESIGN I
Co-requisites: MW 141 and MW 151
Basic principles of drafting patterns on paper and testing them in muslin on three-dimensional forms for men’s shirts and pants. Using basic construction techniques, students develop original garment designs in harmony with current trends and design-room practices. Special machine methods and the technical aspects of decorative seam finish and detail are studied.
3 CREDITS; 6 STUDIO HOURS PER WEEK

MW 141 — MENSWEAR CONSTRUCTION
Co-requisites: MW 131 and MW 151
Introduces students to the many processes involved in the construction of first samples. Basic standards of construction are stressed, enabling the student to make finished garments. Classic shirt and trouser problems are studied.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

MW 142 — MENSWEAR SEWING
Prerequisite: MW 141
This course introduces students to the many processes involved in creating a first sample. Professional standards of construction are emphasized throughout the semester as students cut, layout, and construct a classic menswear shirt.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

MW 143 — TAILORING I
Prerequisite: MW 142 or approval of chairperson
Students learn how to layout, cut, and sew all of the details associated with the classically tailored trouser. Special emphasis is given to the fly, tailored pockets, and to the creation of a completely hand-made waistband curtain. Students learn to fit the classic trouser on various figure types.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

MW 144 — TAILORING II
Prerequisite: MW 143
This course introduces students to professional tailoring practices for the menswear suit jacket/blazer. Details specific to the jacket and appropriate finishes for a high-end tailored garment are covered throughout the semester.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK
**MW 151 — MENSWEAR DESIGN I**
*Prerequisites: MW 131 and MW 141*
Students design and present menswear shirts, pants, and vests. Research and existing designs inspire original designs.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

**MW 152 — MENSWEAR DESIGN II**
*Prerequisite: MW 151*
Co-requisite: MW 132 or MW 232
Further develops students’ design abilities through the creation and presentation of tailored jackets, blazers, and suits. The concept of line development is studied.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

**MW 221 — DIGITAL ART FOR MENSWEAR**
*Prerequisite: MW 251*
Co-requisite: MW 252
This course is a comprehensive exploration of advanced menswear design, emphasizing the refinement of the student’s rendering, sketching, and digital art abilities. Market segment analysis, collection development, and appropriate design are examined as they apply to the development of portfolio-quality artwork for the menswear market.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

**MW 231 — MENSWEAR FLAT PATTERNMAKING DESIGN III**
*Prerequisites: MW 132 or MW 232*
Co-requisite: MW 251
Studies advanced design problems for tailored garments, making use of the master pattern. Original designs are tested in muslin, constructed in fabrics, and analyzed in terms of taste, fabric selection and properties, design principles, fashion interest, and commercial value.
4 CREDITS; 8 STUDIO HOURS PER WEEK

**MW 232 — MENSWEAR PATTERNMAKING DESIGN II**
*Prerequisites: MW 131 and MW 141, or equivalent*
Co-requisite: MW 152
Students learn how to develop flat patterns and create a finished jacket using professional standards. The course explores the four iconic prototypes of menswear jackets and traditional tailoring techniques and details. Students also learn to identify and define market trends in specific menswear markets and to present professional oral presentations.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

**MW 241 — TAILORING THE JACKET**
*Prerequisites: MW 131 and MW 141, or equivalent*
Co-requisite: MW 152
This course introduces students to the art of tailoring. Classic details associated with the fully-lined tailored jacket are defined and demonstrated as students work toward mastering the components that comprise a finely crafted tailored suit jacket.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

**MW 242 — TAILORING III**
*Prerequisite: MW 144*
This course introduces students to the assembly processes and the finishing details necessary to construct and tailor a high-end fully-lined suit jacket.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

**MW 251 — MENSWEAR DESIGN III**
*Prerequisite: MW 152*
Co-requisite: MW 231
Students create designs while refining advanced sketching skills. Classifications and collections are utilized throughout the semester.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

**MW 252 — MENSWEAR DESIGN IV**
*Prerequisites: MW 231 and MW 251*
Students design and execute original sportswear collections using international trends, colors, details, and fabrications.
5 CREDITS; 10 STUDIO HOURS PER WEEK

**MW 254 — COMPUTER DESIGN I**
This course introduces students to the use of Adobe Illustrator as it applies to the menswear and accessories design industry. Students learn how to use Adobe Illustrator as a CAD tool for designing menswear and accessories. Auxiliary software includes Adobe Photoshop.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

**MW 299 — INDEPENDENT STUDY IN MENSWEAR**
*Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean*
VARIABLE CREDITS (3 CREDITS MAXIMUM)

**Physical Education**

**PE 111 — MODERN DANCE**
Introduces the fundamentals of modern dance through the development of dance technique and comprehension of rhythm. Elements of dance composition are introduced and provide students with an opportunity to create individual work. (G6: Arts)
1 CREDIT; 2 STUDIO HOURS PER WEEK

**PE 113 — JAZZ DANCE**
Introduces the fundamentals of jazz dance through the development of dance technique, comprehension of rhythm, and the ability to perform isolated movement. Elements of dance composition are introduced and provide students with an opportunity to create individual work. (G6: Arts)
1 CREDIT; 2 STUDIO HOURS PER WEEK
PE 114 — BALLET I
Basic exercises are done at the barre to develop proper alignment, placement, strength, coordination, and understanding of ballet movement vocabulary in this introductory class. Center floor combinations and movement across the floor are used to integrate skills learned in the warm-up. (G6: Arts)
1 CREDIT; 2 STUDIO HOURS PER WEEK

PE 115 — SKIING (WINTERIM ONLY)
For students of all skiing levels, this course presents proper and safe skiing techniques as well as the use of ski equipment and supplies and provides the opportunity to improve fitness and skills.
1 CREDIT; 2 HOURS PER DAY

PE 116 — AFRO-CARIBBEAN DANCE
Students experience, learn, and perform the traditional dances and rhythms, rooted in African and European dance, of the Caribbean region. (G6: Arts)
1 CREDIT; 2 STUDIO HOURS PER WEEK

PE 117 — CREATIVE MOVEMENT EXPLORATION
Students create movement studies using elements of design that capture the essence of their unique expressions. Concepts of space and weight and dance elements such as rhythm, symmetry, and shape are addressed in the course. Improvisations are performed according to a variety of themes, relationships, and situations, both individually and in small groups.
1 CREDIT; 2 STUDIO HOURS PER WEEK

PE 118 — FLAMENCO DANCE
Students execute traditional flamenco dances from the Andalusia region of southern Spain. Students learn how various cultures contributed to flamenco, as well as the flamenco rhythms, the meaning of the songs, and the relationship of the singing and guitar to the dance. (G6: Arts)
1 CREDIT; 2 STUDIO HOURS PER WEEK

PE 122 — BEGINNING GOLF
An introduction to the basics of the game of golf. Learn chipping, driving, and putting, and the etiquette, history, and rules of the game. Students are given the opportunity to visit a private golf course.
1 CREDIT; 2 STUDIO HOURS PER WEEK

PE 131 — TENNIS I
Teaches the fundamental skills of tennis and knowledge of the game.
1 CREDIT; 2 STUDIO HOURS PER WEEK

PE 135 — BASKETBALL
The fundamentals of basketball, individual skills, and team participation are taught. Students learn the rules, coaching techniques, strategies, athletic training, and enjoyment of spectatorship.
1 CREDIT; 2 STUDIO HOURS PER WEEK

PE 136 — VOLLEYBALL
Students learn the fundamental skills of volleyball: setup passing, serving, spiking, blocking, and bumping. Strategy and games are included.
1 CREDIT; 2 STUDIO HOURS PER WEEK

PE 141 — FITNESS TRAINING
Students focus on the progressive development of the four components of physical fitness: muscular strength, muscular endurance (through weight-room training and calisthenics), cardiovascular endurance, and fitness.
1 CREDIT; 2 STUDIO HOURS PER WEEK

PE 143 — YOGA I
The elements of yoga are taught, including breathing techniques, postures, nutrition, meditation, and relaxation.
1 CREDIT; 2 STUDIO HOURS PER WEEK

PE 144 — AEROBICS
Students work to achieve a strong cardiovascular system through step-bench or aerobic routines. Toning exercises are included.
1 CREDIT; 2 STUDIO HOURS PER WEEK

PE 145 — TAI CHI I
Students learn the Yang form of this ancient, holistic Chinese exercise to develop good balance and coordination and to relax physically and mentally.
1 CREDIT; 2 STUDIO HOURS PER WEEK

PE 146 — KUNG FU
Translated as discipline and inner development, Kung Fu focuses on learning a system of movements based upon the observations of nature by ancient Chinese priests and monks. The forms, basic stances, kicks, and punches of Shao-Lin Kung Fu are taught to achieve better health, harmony, and coordination.
1 CREDIT; 2 STUDIO HOURS PER WEEK

PE 147 — GENTLE YOGA
Gentle yoga introduces all the benefits of yoga with less demand on the body. This course can be enjoyed by all students, particularly those with limited physical health or range of motion. Benefits include enhanced flexibility, increased strength, improved balance, and reduction of stress.
1 CREDIT; 2 STUDIO HOURS PER WEEK

PE 153 — FENCING
Students learn and practice the fundamentals of foil fencing, including positions and movements, offensive and defensive strategy, directing a fencing bout, and international rules.
1 CREDIT; 2 STUDIO HOURS PER WEEK

PE 214 — BALLET II
Prerequisite: PE 114 or equivalent
More advanced steps focusing on coordination, musicality, and improvement of technique are introduced. Students execute movement phrases of their own and learn the history of ballet. (G6: Arts)
1 CREDIT; 2 STUDIO HOURS PER WEEK

PE 231 — TENNIS II
Prerequisite: PE 131 or equivalent
Building on Tennis I, students learn more advanced tennis skills focusing on specific strokes, court positioning, and strategies for singles, doubles, and competitive play.
1 CREDIT; 2 STUDIO HOURS PER WEEK

PE 243 — YOGA II
Prerequisite: PE 143
Students build upon their yoga experience by learning new yoga postures and variations of standard postures and breathing techniques while exploring additional concepts from the Yoga Sutras.
1 CREDIT; 2 STUDIO HOURS PER WEEK
PE 245 — TAI CHI II
Prerequisite: PE 145 or equivalent
Students continue their study of this ancient, holistic Chinese exercise, developing greater strength, balance, coordination, and relaxation through the Yang form of Tai Chi.
1 CREDIT; 2 STUDIO HOURS PER WEEK

Photography

PH 003 — BASIC PHOTOGRAPHY STUDIO
Co-requisite: PH 103
For Fine Arts students. Students learn the practical applications of digital camera operations and studio lighting techniques.
0 CREDITS; 1 STUDIO HOUR PER WEEK

PH 005 — PHOTOGRAPHY STUDIO
Co-requisite: PH 405
For Packaging Design students. Students learn the practical applications of digital camera operations and produce portfolio-quality images of packaging designs.
0 CREDITS; 1 STUDIO HOUR PER WEEK

PH 102 — INTERMEDIATE PHOTOGRAPHY
Prerequisite: PH 101 or PH 117
For students not majoring in Photography. Students learn advanced camera techniques, using a range of films and developers as well as hand-held flash and continuous lighting techniques. They also explore photography outside of the studio setting.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

PH 103 — BASIC PHOTOGRAPHY
Co-requisite: PH 003
For Fine Arts students. Fundamentals of modern photographic practices including technical, aesthetic camera operation, and lighting techniques. Geared to aid the creative efforts of fine artists.
2 CREDITS

PH 112 — INTRODUCTION TO PHOTOGRAPHY
Introduces students to the craft of photography, including lighting techniques, model direction and styling, and related exposure, film processing, and printing skills. Through discussion and critiques, students study photo trends for advertising, commercial, and editorial fashion uses.
3 CREDITS; 6 STUDIO HOURS PER WEEK

PH 113 — PHOTOGRAPHIC TECHNIQUES
An intense study of the photographic medium from a technical standpoint. Stresses an understanding of film and exposures as they relate to light, light measurement, contrast control, film processing, and photographic chemistry.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

PH 114 — INTRODUCTION TO DIGITAL PHOTOGRAPHY
Students are introduced to digital photography techniques and new digital technologies as they apply to image capture.
1 CREDIT; 2 STUDIO HOURS PER WEEK

PH 115 — ADVERTISING PHOTOGRAPHY WITH MEDIUM FORMAT
Prerequisites: PH 112 and PH 131
Emphasizes the use of 2 1/4, medium-format cameras in the fashion photography studio. Students learn advanced tungsten light techniques, with an introduction to monoblock electronic flash units for photography of models and accessories for advertising, editorial, or illustration use. Advanced darkroom procedures are stressed.
3 CREDITS; 6 STUDIO HOURS PER WEEK

PH 116 — PHOTOGRAPHY BASICS
Students develop an understanding of traditional film and digital cameras by learning basic studio and lighting setup, model direction, and related film exposure techniques. Working in color and black and white, students are encouraged to produce images that creatively explore personal themes and issues. (G6: Arts)
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

PH 117 — PRINCIPLES OF PHOTOGRAPHY INCLUDING DARKROOM INSTRUCTION
Introduces students to the techniques of black-and-white photography, including basic studio setup, lighting techniques, model direction, and related film exposure as applied to the 35mm camera. Instruction on enlarging techniques and film processing through the use of the darkroom are also covered. (G6: Arts)
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

PH 121 — LARGE FORMAT PHOTOGRAPHY
Prerequisite: PH 101 or PH 117
Basic techniques in professional operation of a large-format view camera as applied to commercial still-life photography. Covers fundamental camera movements, lighting setups, 4x5 film processing, and printing skills.
2 CREDITS; 4 STUDIO HOURS PER WEEK

PH 122 — ADVANCED VIEW CAMERA
Prerequisite: PH 121
Advanced study of view camera techniques with emphasis on still life and location photographic procedures. Students have an opportunity to refine their skills in lighting, subject handling, film processing, and printing procedures. Through exploration of various traditional, alternative, and digital methods, they develop imagery appropriate for portfolio presentation.
3 CREDITS; 6 STUDIO HOURS PER WEEK

PH 131 — LIGHTING PRINCIPLES
Prerequisite: PH 102
Co-requisite: PH 112
The student photographer is introduced to the creative practices of lighting for studio and outdoor photography. Use and control of continuous light, natural light, and preexisting light are emphasized.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

PH 162 — PHOTOGRAPHIC STYLING
Introduces the elements of photographic styling, stressing both creative sensitivity and technical skills, through lectures and demonstrations. Assignments include fashion, beauty, illustration, tabletop, and food styling. (G6: Arts)
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK
PH 211 — ADVANCED PROFESSIONAL FASHION AND BEAUTY PHOTOGRAPHY
Prerequisites: PH 115 and portfolio review by chairperson or instructor
Students learn all aspects of fashion and beauty photography, from the creation of a competitive portfolio to post-production, with emphasis on developing an individual aesthetic vision. Exploration of the major technical elements include digital capture, studio and location shoots, client expectations, and contracts and fees.
4.5 CREDITS; 1 LECTURE AND 7 STUDIO HOURS PER WEEK

PH 231 — ELECTRONIC FLASH
Prerequisite: PH 115
Advances photographic skills through the use of electronic lighting equipment and techniques. Small-, medium-, and large-format cameras are used to photograph models and still-life subjects in black and white or color mediums. Includes related darkroom procedures.
4 CREDITS; 8 STUDIO HOURS PER WEEK

PH 241 — FOUNDATIONS OF COLOR
Prerequisite: PH 112
Co-requisite: PH 115
Exploration of color as it applies to photography. Includes additive and subtractive color mixing, color harmony, lighting for color, light balancing, color correction, film, and digital color reproduction techniques.
2 CREDITS; 4 STUDIO HOURS PER WEEK

PH 242 — ADVANCED PROJECTS AND PORTFOLIO DEVELOPMENT
Prerequisites: PH 231 and PH 241 or approval of chairperson
The relationship of advanced studio lighting, set preparation techniques, and digital image capture are explored in conjunction with color theories that apply to model and still-life photography for the printed page. Students complete industry-level assignments and personal interest images in the studio and on location. Emphasis is on preparation of an individualized portfolio presentation.
4.5 CREDITS; 9 STUDIO HOURS PER WEEK

PH 282 — PROFESSIONAL PROCEDURES FOR THE COMMERCIAL PHOTOGRAPHER
An in-depth understanding of owning and operating a small professional photography business is provided. Students learn and practice organizational and career goal planning techniques, assignment pricing structures, the use of standard contracts, maintaining accurate records, and the creation of standard business forms. Emphasis is on understanding copyright law and tax structure, and learning criteria for retaining legal and financial services.
2 CREDITS

PH 284 — PHOTOGRAPHY PORTFOLIO DEVELOPMENT FOR THE WORLD WIDE WEB
Prerequisite: PH 272 or equivalent
Students prepare digital photographic portfolios for view on the web by learning basic HTML code, web design, the mechanics of File Transfer Protocol, and optimal image preparation for internet browsers.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

PH 272 — PHOTOSHOP I FOR PHOTOGRAPHERS
Prerequisite: CG 111
Students engage in a comprehensive study of Adobe Photoshop tools using the Macintosh platform. Methods and management techniques for scanning, creation of selections, layers, color correction, and basic image manipulation are studied.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

PH 274 — PHOTOSHOP II FOR PHOTOGRAPHERS
Prerequisites: CG 111 and PH 272
Students develop an advanced knowledge of layers, channels, curves, image merging, color correction, and color matching in the Adobe Photoshop program. Scanning devices, file formats, and resolution levels are explored.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

PH 299 — INDEPENDENT STUDY IN PHOTOGRAPHY
Variable Credits (3 credits maximum)
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean

PH 305 — PHOTOGRAPHIC REFERENCE AND DIGITAL EDITING FOR THE ILLUSTRATOR
Prerequisite: PH 101 or PH 116
Using photographic reference and Adobe Photoshop, students create conceptual imagery assembled from a variety of sources. This course covers additional photographic lighting and image techniques, digital scanning, image assembling, and printing.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

PH 341 — DIGITAL CRAFT AND THE EXHIBITION
Prerequisite: PH 242
Students explore methods for capture, editing and sequencing groups of digital images as cohesive statements with the aim of producing a photographic exhibition. Through field trips, critiques, and working with a guest art director, students study the signature styles and trends of various photographers.
3 CREDITS; 1 LECTURE AND 4 STUDIO HOURS PER WEEK

PH 342 — ADVANCED PROJECT IN STYLE AND MEDIA
Prerequisite: PH 371
This course pairs photography and fashion design students, to create and produce professional press kits and a short digital documentary interpretation of style and fashion.
3 CREDITS; 1 LECTURE AND 4 STUDIO HOURS PER WEEK

PH 351 — THE PICTURE STORY: A PROFESSIONAL APPROACH TO PHOTOJOURNALISM
Prerequisite: PH 274 or approval of chairperson
Students learn how to unite image-making and writing skills to produce newsworthy picture stories. Topics covered include the legal and ethical issues that affect the process of photojournalism as well as the difference between objective and subjective judgments.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

PH 361 — LOGISTICS OF LOCATION PHOTOGRAPHY
Prerequisite: PH 371
Students develop the techniques of location photography, including environmental portraiture, industrial, fashion and architectural photography for editorial and advertising purposes. Assignments stress image design and are performed with medium- and large-format cameras using digital capture technology, as well as indoor and outdoor lighting techniques.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

PH 371 — RETOUCHING AND PRE-PRESS SOLUTIONS FOR PHOTOGRAPHERS
Prerequisite: PH 274
Students explore ways to convey their ideas onto the printed page through retouching, editing and preparing digital files. High-end scanning, RGB to CMYK conversions, digital versus analog proofing and the differences between photographic, inkjet and offset printing are also explored from both theoretical and real-world perspectives.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK
PH 372 — DIGITAL MEDIA TECHNOLOGY I
Prerequisite: PH 371
This course provides practical, technical instruction in the use of high-end digital image capture backs coupled with traditional, medium format camera system hardware. Students explore the concepts and processes required to create photographic imagery using Adobe Photoshop, iMovie, and iDVD programs.
2 CREDITS

PH 404 — BASIC INTERIOR DESIGN PHOTOGRAPHY
For baccalaureate-level Interior Design students or those interested in interior photography. A foundation for understanding and achieving control of the photographic medium as it applies to interior and architectural photography is provided. Students learn scale model and flat art photography, use of black and white and color films, metering, camera control, lighting, and filtration.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

PH 405 — PHOTOGRAPHY FOR PACKAGE DESIGN
Co-requisite: PH 005
For Packaging Design Students. Students explore the photographic medium as a creative design tool for the development of innovative and unique packaging. Students learn the use of digital cameras as well as appropriate studio lighting and exposure techniques. Through the use of digital technology, students produce presentations, portfolios, and a photo CD.
2 CREDITS

PH 406 — DIGITAL SPECIAL EFFECTS AND PHOTOGRAPHIC RETOUCHING
Prerequisites: IL 324 and PH 305
Students enhance their traditional illustration skills in a digital environment. Exploring Adobe Photoshop and its plug-ins for retouching and special aspects, they achieve the technical ability to transform initial creative inspirations into powerful imagery.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

PH 451 — MULTIMEDIA CONCEPTS
Prerequisite: PH 372
Students develop a critical point of view regarding video, electronic, digital, and print media through discussion, viewing, and critiquing published work. Assignments examine the relationship between art and media industries, covering topics that include advertising, documentaries, the news, personal identity, and media imaging.
3 CREDITS; 1 LECTURE AND 4 STUDIO HOURS PER WEEK

PH 451 — MULTIMEDIA PORTFOLIO
Prerequisite: PH 451
Graduating students assemble a professional-quality, digitally processed electronic and printed portfolio of imagery from thematic work produced during the sixth, seventh, and eighth semesters.
3 CREDITS; 1 LECTURE AND 4 STUDIO HOURS PER WEEK

PH 471 — DIGITAL MEDIA TECH. II
Prerequisites: PH 371 and PH 372
Students study various forms of state-of-the-art lighting techniques used for digital high-end photography. Lighting for the specific commercial areas of still life, portrait/fashion, architecture/interior, jewelry, and corporate/industrial will be demonstrated and studied.
2 CREDITS

PH 491 — RESEARCH FOR SENIOR DESIGN PROJECT
Prerequisites: PH 341 and PH 342
This course assists students in developing a thesis proposal for the creation of a multimedia portfolio. Students research a chosen area of study and learn how to effectively plan and organize multimedia projects to be used in their senior design projects.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

PH 492 — SENIOR DESIGN PROJECT
Prerequisite: PH 491
Students prepare a capstone project resulting from the senior design project research completed in the prior semester. The course culminates in a multimedia presentation to faculty, mentors, and invited professionals and Advisory Board members for critique.
2 CREDITS; 4 STUDIO HOURS PER WEEK

PH 499 — INDEPENDENT STUDY IN PHOTOGRAPHY
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

Packaging Design

PK 211 — INTRODUCTION TO PACKAGING DESIGN
Prerequisite: (for Communication Design students) CD 171
An introduction to the field of packaging design, covering branding, graphics, materials, technology, and typography. This studio course focuses on design phases from concept to three-dimensional comprehensives, and includes field trips and guest lecturers.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

PK 301 — PACKAGING DESIGN FOR HOME PRODUCTS
Prerequisite: HP 311 or HP 313
Students learn about packaging/brand design specific to home products retailing: brand identity, packaging design systems, and brand design applications throughout the retail environment. The creative process of design and strategic analysis of packaging as a marketing and merchandising tool is explored.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

PK 302 — PACKAGING DESIGN FOR COSMETICS AND FRAGRANCE MARKETING
Prerequisites: CM 311 and CM 341
For Cosmetics and Fragrance Marketing students. This hands-on course introduces the principles of packaging design for cosmetics and fragrance products. Students learn about brand identity, packaging design systems, materials, and the relationship between packaging and cosmetic and fragrance retailing.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

PK 303 — PACKAGING DESIGN FOR ACCESSORIES DESIGN
Prerequisites: PH 341 and PH 342
For Accessories Design students. The packaging and brand design of accessory products is introduced. Through design projects, students learn about brand identity, packaging design systems, the variety of packaging materials, and how packaging affects the product at retail. Guest lecturers discuss how designers create brand identities, develop concepts, make design decisions, and oversee production.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK
PK 313 — ADVANCED PACKAGING DESIGN I
Prerequisite: PK 211
Co-requisites: PK 324 and PK 341
Students learn all aspects of packaging/brand design for food and beverage consumer products. Emphasis is on the packaging/brand design creative process and the application of creative solutions to meet strategic objectives.
4 CREDITS; 2 LECTURE AND 4 STUDIO HOURS PER WEEK

PK 315 — DIGITAL PRE-PRESS FOR PACKAGING DESIGN
This course introduces students to digital mechanical art creation specifically for packaging design. Students learn file management, printing methods, color processes, packaging substrates, and how a packaging design moves from design approval to mechanical art creation.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

PK 316 — ADVANCED PACKAGING DESIGN II
Prerequisite: PK 313
Provides a comprehensive examination of packaging and brand design for health and beauty aids and personal care products. Emphasis is placed on targeting specific consumer markets by developing integrated brand design systems which incorporate graphics and structures.
3.5 CREDITS; 1 LECTURE AND 5 STUDIO HOURS PER WEEK

PK 324 — PACKAGING BRAND DEVELOPMENT
Prerequisite: PK 313
Through hands-on exploration of the brand design development from design strategy, typographic identity to concept development, students learn to conceptualize and implement the branding process quickly and effectively.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

PK 325 — TYPOGRAPHY FOR BRAND PACKAGING
Prerequisite: PK 313
This course is designed to explore all aspects of creative topographic design for brand packaging design. Through assignments, exercises, and lectures, students develop an understanding of how professional designers develop and apply brand identities. Students explore how typographic decision-making and design strategies affect the application of typography for brand packaging design.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

PK 326 — PACKAGING DESIGN INTERDISCIPLINARY PROJECTS
Prerequisite: PK 313
This course offers students the opportunity to work on a diverse array of brand packaging designs for a range of integrated, market-driven assignments. Interdisciplinary teams made up of packaging design students, students in related majors, and industry representatives work together to develop an understanding of the various roles and responsibilities in designing and marketing consumer brands.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

PK 331 — FLEXIBLE PACKAGING
Provides the student with the wide variety of flexible packaging design materials available for today’s designer. New technologies and materials are analyzed with the focus on strategic branding issues as product lines are developed.
3 CREDITS; 8 STUDIO HOURS PER WEEK

PK 336 — PACKAGING MATERIALS AND METHODS
Co-requisite: PK 313
An introduction to the technology and production processes involved in packaging consumer products, including beverages, cosmetics, food, fragrance, household care, personal care, and pharmaceuticals. Through design assignments, students develop an understanding of how technology, materials, and production processes all affect packaging design.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

PK 341 — COMPUTER GRAPHICS FOR PACKAGING DESIGN
Through hands-on interaction, students learn how the Macintosh computer is used in packaging design. Using their typesetting and design knowledge, students learn to work with color-scanned images and illustration software packages to develop two- and three-dimensional design.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

PK 342 — ADVANCED COMPUTER GRAPHICS FOR PACKAGING DESIGN
Prerequisite: PK 341
Co-requisite: PK 316
An advanced hands-on studio using current software programs to manipulate elements and color in order to achieve variants of specific packaging design comprehensives.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

PK 343 — PACKAGING FOR THE TOY DESIGNER
Prerequisite: All seventh-semester Toy Design courses or approval of chairperson
Emphasizes conceptual and mechanical toy packaging development, introducing students to types of packaging and constructions used in the toy industry. Environmental and safety issues are considered in addition to study of marketing, trends, and consumer motivation.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

PK 412 — ADVANCED PACKAGING DESIGN III
Prerequisite: PK 316
Through extensive research, design analysis, and problem solving, students explore packaging and brand design across an array of retail categories. Students must demonstrate advanced concept development and execution skills, meeting clear strategic objectives.
3.5 CREDITS; 1 LECTURE AND 5 STUDIO HOURS PER WEEK

PK 426 — 3D CONCEPTS FOR PACKAGING DESIGN
Co-requisite: PK 412
An introduction to the advanced composition and structural design skills needed to create three-dimensional models for packaging design. The course focuses on the issues and problems that arise in the transition between two-dimensional design explorations and three-dimensional representations.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

PK 431 — SUSTAINABLE PACKAGING DESIGN
Co-requisite: PK 412
This course introduces students to the environmental and social issues relating to packaging, and provides them with the knowledge and tools to address these issues in a creative, economical, responsible, and sustainable way.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

PK 451 — SURVEY OF PACKAGING DESIGN
Prerequisite: PK 316
Co-requisite: PK 412
The global, historical, and social aspects of the packaging and brand design industry are researched and analyzed, with an emphasis on current professional practice and methodology.
2 CREDITS
PK 461 — PACKAGING PORTFOLIO DEVELOPMENT  
Prerequisite: completion of all seventh-semester Packaging Design courses  
Students refine their portfolios to a highly professional level and design a resume and cover letter in preparation for career placement. Career goals are also assessed.  
2.5 CREDITS; 1 LECTURE AND 3 STUDIO HOURS PER WEEK

PK 491 — INTERNSHIP  
An unsalaried 14-week internship with a design firm. Completion of a daily diary, a written report on experience, and a portfolio of work are required.  
3 CREDITS; 2 CONSECUTIVE DAYS OF INDUSTRY INTERNSHIP PER WEEK

PK 492 — SENIOR PROJECTS IN PACKAGING DESIGN  
Prerequisite: PK 412  
Co-requisites: PK 461 and PK 491  
This capstone course offers senior-level students the opportunity to research and develop design projects in a specific area within the packaging/brand design profession. Two final design projects, demonstrating strategic objectives, creative abilities, knowledge of packaging materials, and presentation skills, are developed for completion of the portfolio.  
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

PK 499 — INDEPENDENT STUDY IN PACKAGING DESIGN  
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean  
VARIABLE CREDITS (3 CREDITS MAXIMUM)

Philosophy

PL 141 — INTRODUCTION TO WESTERN PHILOSOPHY  
A general introduction to western philosophy covering the existence of God, freedom and determinism, personal identity, death and the question of survival, and cross-cultural understanding. (G7: Humanities)  
3 CREDITS

PL 143 — INTRODUCTION TO ASIAN PHILOSOPHIES  
Introduces the major philosophies of the Asian world that underlie and shape Eastern cultures. Hinduism, Buddhism, Confucianism, and Taoism are emphasized. (G7: Humanities; G9: Other World Civilizations)  
3 CREDITS

PL 211 — INFORMAL LOGIC: A GUIDE TO CLEAR THINKING  
Introduction to practical techniques for evaluating, criticizing, and defending arguments using ordinary English. Both deductive and inductive reasoning are considered, and how to recognize fallacies is emphasized. Stresses techniques for producing good arguments of many types. (G7: Humanities)  
3 CREDITS

PL 299 — INDEPENDENT STUDY IN PHILOSOPHY  
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean  
VARIABLE CREDITS (3 CREDITS MAXIMUM)

PL 321 — PHILOSOPHY OF ART  
Prerequisite: one semester of History of Art and Civilization  
Considers the philosophy of art and the logical structure of criticism. Presents a group of problems arising from description, interpretation, and evaluation of aesthetic objects, with special emphasis on the visual arts. (G7: Humanities)  
3 CREDITS

PL 391 — ANCIENT GREEK PHILOSOPHY (HONORS)  
Prerequisite: qualification for Presidential Scholars program, or 3.5 GPA with approval of dean for Liberal Arts  
A study of the origins and development of philosophy in the West, from Homer and Hesiod to the Hellenistic period. Contributions of Socrates, Plato, and Aristotle are emphasized, and the Greek influence on Roman and Christian philosophy is examined. (G5: Western Civilization; G7: Humanities)  
3 CREDITS

PL 431 — PHILOSOPHY: ETHICS  
An introduction to philosophy in general and to ethics in particular. Philosophy is presented as an ongoing activity with emphasis on providing students with logical and conceptual tools for dealing with real-life situations. The course is oriented toward the development of the student’s ability to use reason to evaluate arguments, particularly ethical arguments. (G7: Humanities)  
3 CREDITS

PL 499 — INDEPENDENT STUDY IN PHILOSOPHY  
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean  
VARIABLE CREDITS (3 CREDITS MAXIMUM)

Patternmaking

PM 111 — INDUSTRIAL METHODS OF DRAPING  
The basic draping methods of developing production patterns for the garment industry are taught. This course is offered in English, Chinese, Korean, Russian, and Spanish. ES 023/123 is highly recommended for students enrolling in bilingual sections.  
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

PM 112 — INDUSTRIAL METHODS OF DRAPING  
Prerequisite: PM 111  
Further development of patterns executed in muslin is studied. Course is offered in English, Chinese, Korean, Russian, and Spanish. ES 023/123 is highly recommended for students enrolling in bilingual sections.  
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

PM 121 — PATTERNMAKING: MISSES’ AND WOMEN’S WEAR  
Fundamentals of flat patternmaking, covering a variety of slopers, collars, sleeves, and bodice stylings, are studied. Patterns are proven in muslin. Original slopers are made on measurements taken on the figure. Course is offered in English, Chinese, Korean, Russian, and Spanish. ES 023/123 is highly recommended for students enrolling in bilingual sections.  
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

PM 122 — PATTERNMAKING: MISSES’ AND WOMEN’S WEAR  
Prerequisite: PM 121  
Further study of fundamentals of flat patternmaking. Course is offered in English, Chinese, Korean, Russian, and Spanish. ES 023/123 is highly recommended for students enrolling in bilingual sections.  
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

PM 171 — PATTERN GRADING: MISSES’ AND WOMEN’S WEAR  
Prerequisite: PM 121; or for Fashion Design students (AP 111 or FD 111) or (AP 121 or FD 121)  
Students apply commercial standards in producing size ranges for misses’ and women’s wear.  
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK
PM 221 — COMPUTERIZED PRODUCTION PATTERNMAKING
Prerequisites: PM 122, PM 171, and PM 273, or approval of chairperson
Students learn to use the computer as a tool for production patternmaking and other apparel industry applications. Includes knowledge of hardware, software, and system programming on the Gerber Accumark system to produce a sample production pattern.
3 CREDITS; 2 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

PM 231 — PATTERNMAKING: MISSES’ AND WOMEN’S WEAR
Prerequisites: PM 112, PM 122, and PM 171
Advanced study of misses’ and women’s daytime dresses. Different dresses are drafted.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

PM 232 — PATTERNMAKING: MISSES’ AND WOMEN’S WEAR
Prerequisite: PM 231
Continuation of PM 231, with an emphasis on evening and bridal wear.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

PM 233 — PATTERNMAKING: MISSES’ SPORTSWEAR
Prerequisites: PM 122 and PM 171
Patternmaking for sportswear, including a variety of skirts, jackets, blouses, slacks, jumpers, and culottes, is taught.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

PM 234 — PATTERNMAKING: MISSES’ SPORTSWEAR
Prerequisite: PM 233
Further study of patternmaking for casual sportswear.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

PM 236 — PATTERNMAKING: COATS AND SUITS
Prerequisites: PM 112, PM 122, and PM 171
Students learn patternmaking for all types of coats and suits.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

PM 237 — PATTERNMAKING: COATS AND SUITS
Prerequisite: PM 236
Continuation of PM 236, with special emphasis on a variety of coats.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

PM 241 — PATTERNMAKING: CHILDREN’S WEAR
Prerequisites: PM 112 and PM 122
Basic techniques and industrial practices in patternmaking for toddler, children, and girl size ranges are taught, with an emphasis on woven fabrics.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

PM 242 — PATTERNMAKING: CHILDREN’S WEAR
Prerequisite: PM 122
Basic techniques and industrial practices in patternmaking for toddler, children, and girl size ranges are taught, with an emphasis on knit fabrics.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

PM 243 — PATTERNMAKING: CHILDREN’S WEAR
Prerequisites: PM 112, PM 122, and PM 171
Continuation of PM 242, with special emphasis on the Knit area
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

PM 244 — PATTERNMAKING: CHILDREN’S WEAR
Prerequisite: PM 122
Further study of patterns techniques in patternmaking for toddler, children, and girl size ranges are taught, with an emphasis on knit fabrics.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

PM 245 — PATTERNMAKING: CHILDREN’S WEAR
Prerequisites: PM 112 and PM 122
Continuation of PM 244, with special emphasis on the Knit area
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

PM 246 — PATTERNMAKING: PRODUCTION AND COST
Prerequisites: AP 141 and (AR 101 or FD 131), and PM 112, PM 122, and PM 171, or approval of chairperson
This course is a study of mass production methods used in the manufacture of garments. Analysis of principles of garment costing and common problems encountered in quality control are examined.
2.5 CREDITS; 1 LECTURE AND 1 LABORATORY HOURS PER WEEK

PM 251 — TECHNICAL DESIGN FOR PATTERN TECHNOLOGY
Prerequisites: AP 141 and (AR 101 or FD 131), and PM 112, PM 122, and PM 171, or approval of chairperson
Introduction to the fundamental concepts and methods of technical design in production development—from concept through production—for apparel and related products. The elements of technical design, technical sketching and documentation, garment specification, fitting, technical communication, and the use of CAD systems in the manufacturing and retail environments are taught, providing a basic knowledge of technical design skills and responsibilities in the industry. Basic computer skills required.
2.5 CREDITS; 1 LECTURE AND 3 LABORATORY HOURS PER WEEK

PM 255 — FIT ANALYSIS AND TECHNICAL DOCUMENTATION
Prerequisite: PM 233 or approval of chairperson
Students assume the roles of manufacturer and retailer to better understand the process of creating a finished fitted garment. They learn the techniques employed by technical staff in order to correct the fit of a garment so it can be mass-produced successfully. Emphasis is on analyzing fit and technical documentation. Computerized specification packages are introduced.
2.5 CREDITS; 1 LECTURE AND 3 LABORATORY HOURS PER WEEK

PM 261 — COMPUTERIZED PATTERN-GRADING AND MARKER MAKING FOR LECTRA
Prerequisites: PM 122 and PM 171
Through hands-on experience, students learn to use the Diamino, Lectra Modaris, and Vigiprint software programs to grade production patterns and prepare markers. By using the CAD system, they learn to digitize, plot, modify patterns, manipulate markers, and manage file information. The system’s hardware and software capabilities are addressed, emphasizing apparel industry applications. Basic computer skills required.
2.5 CREDITS; 1 LECTURE AND 3 LABORATORY HOURS PER WEEK
**Science**

*ARITHMETIC PROFICIENCY* is a requirement for the AAS degree. Based on the arithmetic placement test, a student who shows need for improvement in arithmetic may be required to enroll in either MA 001 or MA 002 or in a math independent learning program (MD 008) before registering for classes that have arithmetic proficiency as a prerequisite. Arithmetic proficiency may also be demonstrated by a qualifying score on the mathematics portion of the SAT or ACT, or by transfer credit in college algebra, quantitative methods, pre-calculus, or calculus, or by a passing grade in an equivalent developmental mathematics course offered at another accredited college or university.

**SC 032 — COLOR SCIENCE LABORATORY**  
*Prerequisite: arithmetic proficiency*  
*Co-requisite: SC 332*  
This lab offers students a hands-on opportunity to learn about the various topics covered in SC 332. State-of-the-art equipment is used to perform spectrophotometric and colorimetric analysis of samples prepared using paints, dyes, filters, colored lights, and colored papers to explore the relationship between color and light, the principles of additive and subtractive color mixing, and instrumentation-based color matching.  
1 CREDIT; 2 LABORATORY HOURS PER WEEK

**SC 045 — GENERAL AND ORGANIC CHEMISTRY LABORATORY**  
*Prerequisite: arithmetic proficiency*  
*Co-requisite: SC 145*  
Stresses fundamental laboratory techniques. Experiments illustrate and reinforce principles presented in lectures. Organic compounds are prepared. Dyes and synthetic fibers are included where possible.  
1 CREDIT; 2 LABORATORY HOURS PER WEEK

**SC 046 — BASIC CHEMISTRY FOR COSMETICS AND FRAGRANCES LABORATORY**  
*Prerequisite: arithmetic proficiency*  
*Co-requisite: SC 146*  
This lab offers students a hands-on opportunity to learn about the fundamental techniques and methods of the chemistry laboratory as they relate to the various topics covered in SC 146.  
1 CREDIT; 2 LABORATORY HOURS PER WEEK

**SC 111 — INTRODUCTION TO THE PHYSICAL SCIENCES**  
*Prerequisite: arithmetic proficiency*  
Not open to students who have taken SC 112. Presents basic principles of chemistry, physics, and earth and space sciences with emphasis on understanding the physical world. Includes theoretical concepts as well as applications. Illustrated by suitable lecture demonstrations.  
(G3: Natural Sciences)  
3 CREDITS

**SC 112 — EARTH SCIENCE**  
*Prerequisite: arithmetic proficiency*  
Not open to students who have taken SC 111. The historical development, current research, and fundamental principles associated with meteorology, geology, and astronomy are studied. Trips to research and field sites are included.  
(G3: Natural Sciences)  
3.5 CREDITS; 3 LECTURE AND 1 LABORATORY HOURS PER WEEK

**SC 121 — INTRODUCTION TO BIOLOGICAL SCIENCE**  
*Prerequisite: arithmetic proficiency*  
Not open to students who have taken SC 122. Examines the fundamentals of biology with emphasis on molecular, cellular, and organismal biology. Biotic diversity, evolution, and genetics are also presented.  
(G3: Natural Sciences)  
3 CREDITS

**SC 122 — FIELD BIOLOGY**  
*Prerequisite: arithmetic proficiency*  
Not open to students who have taken SC 121. Covers the major principles of biology by studying organisms and their interrelationships in natural settings. Emphasis is given to habitats within New York City. Laboratory sessions, a weekend field trip, and visits to wildlife refuges, botanical gardens, and parks are included.  
(G3: Natural Sciences)  
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

**SC 145 — SURVEY OF GENERAL AND ORGANIC CHEMISTRY**  
*Prerequisite: arithmetic proficiency*  
*Co-requisite: SC 045*  
Develops essential principles of general and organic chemistry, emphasizing a descriptive, rather than mathematical, approach. Provides an awareness of the identities and uses of various chemical compounds.  
(G3: Natural Sciences)  
4 CREDITS

**SC 146 — BASIC CHEMISTRY FOR COSMETICS AND FRAGRANCES**  
*Prerequisite: arithmetic proficiency*  
*Co-requisite: SC 046*  
Students are introduced to the basic principles of chemistry, with an emphasis on its application to the formulation of cosmetics and fragrances, in order to understand the physical and chemical properties of a range of beauty products.  
(G3: Natural Sciences)  
3 CREDITS

**SC 243 — SPECIAL TOPICS IN CHEMISTRY**  
*Prerequisite: SC 145 or equivalent*  
Selected topics in organic and inorganic chemistry are addressed, with an introduction to polymer chemistry. Special consideration is given to the understanding of chemistry in relation to the conservation of museum objects.  
2 CREDITS

**SC 253 — ECOLOGY AND ENVIRONMENTAL PROBLEMS**  
*Prerequisite: arithmetic proficiency*  
Introduces principles and applications of ecosystem, community, and population ecology, with particular emphasis on the effects of human activities on the natural environment. Current problems in acidification, conservation biology, desertification, global climate change, habitat destruction, ozone depletion, waste management, and pollution are addressed.  
(G3: Natural Sciences)  
3 CREDITS

*See Arithmetic Proficiency on page 276.
SC 299 — INDEPENDENT STUDY IN SCIENCE
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

SC 326 — HUMAN NUTRITION
Prerequisite: arithmetic proficiency*
Studies the basic principles of nutritional science, including the relationships between health, disease, and special nutritional requirements. History, fads, and fallacies of nutrition are covered. (G3: Natural Sciences)
3 CREDITS

SC 331 — COLOR SCIENCE AND DIGITAL COLOR REPRODUCTION
Prerequisite: arithmetic proficiency*
Not open to students who have taken SC 332. The basic principles of color science and how they are applied in digital color reproduction are introduced. Students study the psychophysical basis of color perception, the measurement of color, and additive and subtractive color mixing. They learn how color is input into the computer, how the computer manipulates and displays color, and how color is reproduced in output.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

SC 332 — COLOR AND LIGHT
Prerequisite: arithmetic proficiency*
Co-requisite: SC 032
The basic principles of color science, including color measurement and color reproduction, are examined. Emphasis is on the physical basis of color: the relation between color and light, the interaction of light and matter, and the physics of light. Among the topics covered are color vision, color in art and nature, color imaging, light sources, CIE, colorimetric analysis, color matching, and quality control. (G3: Natural Sciences)
3 CREDITS

SC 391 — CRIME SCENE CHEMISTRY
Prerequisite: qualification for Presidential Scholars Program or 3.5 GPA with approval of dean for Liberal Arts, and arithmetic proficiency*
This course explores fundamental concepts in chemistry by examining actual case studies related to criminal activity. Students learn the techniques used by investigators to gather and analyze evidence and data. The laboratory section of the course provides hands-on experience with the techniques used by scientists in the field of forensics chemistry.
4 CREDITS; 3 LECTURE AND 2 LABORATORY HOURS PER WEEK

SC 499 — INDEPENDENT STUDY IN SCIENCE
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

Surface Design (See also TD)

SD 101 — EXPERIMENTAL SCREEN-PRINTING
Students experiment in designing with screens and printing on fabric while working in an actual workshop surrounding. Includes screen making, color mixing, and printing techniques.
3 CREDITS; 2 LECTURE AND 2 WORKSHOP HOURS PER WEEK

SD 102 — DECORATIVE PAPERS AND GREETING CARDS
Students design and paint greeting cards and decorative wrapping paper using various media. Card formats include die-cut, pop-up, and French-fold with emphasis on trends and holidays.
3 CREDITS; 2 LECTURE AND 2 STUDIO HOURS PER WEEK

SD 112 — TEXTILE COLOR FUNDAMENTALS
Introduction to traditional color theories and systems through comparisons and analysis. Color experimentation for use in textile fashion and home furnishing fabrics is developed in opaque watercolor (gouache).
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

SD 113 — TEXTILE/SURFACE DESIGN: STYLES AND SOURCES
An introduction to the design styles, design vocabulary, and research methods necessary for creating original textile surface designs. Through image-based lectures, discussions, museum visits, design projects, and presentation critiques, students explore themes in fashion and the applied arts that will serve as a foundation in their future design work.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

SD 121 — STUDIO PRACTICES
Students create painted designs and patterns for fashion fabrics appropriate for apparel using opaque watercolor (gouache). Emphasis is on developing original design concepts and exploring industry standards.
3 CREDITS; 6 STUDIO HOURS PER WEEK

SD 122 — PRINTED FABRICS
Prerequisite: SD 121
Students create original painted designs for printed fashion fabrics marketable for women's, men's, and children's wear. Professional methods of designing patterns, repeats, and color combinations are explored using transparent watercolor (dyes) and mixed media.
3 CREDITS; 6 STUDIO HOURS PER WEEK

SD 125 — PRINT DESIGN FOR APPAREL AND HOME FURNISHINGS
Combines aspects of SD 121 and SD 122. For one-year students only.
4.5 CREDITS; 9 STUDIO HOURS PER WEEK

SD 141 — NATURE STUDIES
Study of design in nature as a source of inspiration for textile design. Students analyze growth and structure of plants and other forms of nature using live flowers and marine life as models for drawing and painting in representational techniques. (G6: Arts)
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

SD 142 — ADVANCED NATURE STUDIES
Prerequisite: SD 141
Painting from flowers and other nature forms with continued emphasis on observation, selection of color, structure, and design patterns. Students use forms in nature as a basis for stylized compositions in line and color. (G6: Arts)
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

SD 151 — TECHNIQUES AND FAUX FINISH CONCEPTS FOR HOME FURNISHINGS
Students learn the technical aspects of creating special effects for home furnishing surfaces, products, and furniture using a variety of mixed media as they integrate traditional skills with digital design. Emphasis is on experimentation in materials, techniques, and color. Design trends, references, and inspiration are studied.
3 CREDITS; 6 STUDIO HOURS PER WEEK

SD 155 — DECORATIVE FABRICS
For one-year Textile/Surface Design students. The application of print design techniques to designing for home furnishing fabrics and wall coverings, using various media. Using professional methods and technical requirements, designs are created for residential, commercial, and industrial spaces.
2 CREDITS; 4 STUDIO HOURS PER WEEK
SD 156 — INTRODUCTION TO DECORATIVE FABRICS
Students learn the fundamental design aspects and technical requirements appropriate for decorative fabrics. Large scale layouts, research sources, and current trending information are utilized in creating original designs for this market.
2 CREDITS; 4 STUDIO HOURS PER WEEK

SD 181 — FUNDAMENTALS OF SCREEN PRINTING
Designs in repeats are printed on various fabrics in actual workshop surroundings. Emphasis on screen printing techniques and design with screens.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

SD 183 — SCREEN PRINTING: T-SHIRTS AND RELATED PRODUCTS
Using modern screen print technology, students create original engineered designs for T-shirts and related products. Color mixing principles and screen printing techniques are taught.
2 CREDITS; 4 STUDIO HOURS PER WEEK

SD 185 — SCREEN PRINTING
For one-year Textile/Surface Design students. Students prepare screens of their designs, mix pigments, and print on fabric in workshop surroundings. Creative design is applied to other methods of textile reproduction.
2 CREDITS; 4 STUDIO HOURS PER WEEK

SD 201 — COLOR ANALYSIS
Comparative analysis of color theories, emphasizing their use in the textile industry. Includes color harmony, psychological associations, optical illusions, experiments, sales appeal and promotion values, current color styling, and terminology. Valuable for textile sales personnel.
2 CREDITS

SD 202 — COLOR TRENDS IN INDUSTRY TODAY
Prerequisite: SD 112 or SD 201 or approval of chairperson
Develops an understanding of color trends in the apparel and home fashions industry for styling and forecasting purposes. Students research and track color trends for specific target markets and learn to present color line concepts.
2 CREDITS

SD 210 — SURFACE DESIGN IN PARIS (SUMMER)
Prerequisite: HA 112
Students learn how to do extensive surface design research while abroad in Paris. Through on-site visits to design studios, galleries, libraries, museums, stores, and trend forecasting companies, students research an area of design interest for hard and/or soft product. Students keep a journal/sketchbook, give weekly oral presentations, and write a paper about the project outcomes of their research.
3 CREDITS

SD 221 — TECHNIQUES FOR PRINTED TEXTILES AND SURFACES
Prerequisite: SD 122 or approval of chairperson
Experimentation in a variety of materials and mixed media, techniques, and textures to create original and simulated designs for apparel and home fashion fabrics. Emphasis on awareness of color impact, current trends, industry standards, and marketability.
3 CREDITS; 6 STUDIO HOURS PER WEEK

SD 224 — COMPUTER-AIDED PRINT DESIGN
Using Adobe Photoshop, students scan images and create original designs, repeats, colorways, and coordinates targeting specific markets. Emphasis is on creative use of the software, awareness of industry trends, and the development of an original portfolio of digitally produced designs.
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK

SD 227 — PAINTING ON FABRIC
Students paint directly on silk, cotton, and synthetic fabrics, using appropriate pigments or dyes for setting colors permanently. Explores use of hand-painted fabrics for home furnishings, fashion, and studio applications.
2 CREDITS; 1 LECTURE AND 2 STUDIO HOURS PER WEEK

SD 228 — TECHNIQUES FOR FASHION FABRICS
Prerequisite: SD 122 or SD 125
Students learn the research, design, and technical skills needed to create textiles for the apparel and home furnishings markets. Emphasis is placed on research methods and experimentation with materials, techniques, and color to create textural effects using a variety of mixed media.
2 CREDITS; 4 STUDIO HOURS PER WEEK

SD 229 — SCREEN PRINT TECHNIQUES FOR FABRIC
Prerequisite: SD 181
Students explore a variety of screen making and imaging techniques in order to have an understanding of aesthetic and experimental printing methods. Emphasis is on surface effects, techniques, layering, and color as they relate to design for fabric. Students present a professional portfolio of their work at the end of the semester.
2 CREDITS; 4 STUDIO HOURS PER WEEK

SD 251 — DECORATIVE FABRICS
Prerequisite: SD 122 or approval of chairperson
The application of print design techniques to designing for home furnishing fabrics and wall coverings using various media. Using professional methods and technical requirements, designs are created for residential, commercial, and industrial spaces.
3 CREDITS; 6 STUDIO HOURS PER WEEK

SD 252 — DECORATIVE FABRICS AND WALLCOVERINGS
Prerequisite: SD 155 or SD 251 or approval of chairperson
Advanced work in home furnishing fabrics and wall covering design, stressing the coordination of patterns. Students also learn how to design sheets, pillowcases, towels, and linens, observing the technical requirements and limitations governing their production.
3 CREDITS; 6 STUDIO HOURS PER WEEK

SD 253 — ADVANCED DECORATIVE FABRICS
Prerequisite: SD 155 or SD 156
Students learn the design and technical skills required in the home furnishings textile industry. Though on-site field trips and research, students explore and analyze design inspiration. The technical aspects of painting, layout, repeat, and color are examined. New layouts, techniques, and colors are also introduced to sensitize students to the needs of home textiles for the interior design industry.
2 CREDITS; 4 STUDIO HOURS PER WEEK
SD 261 — INDUSTRIAL AND STUDIO PRACTICES
Prerequisite: SD 125 or SD 221
Students are brought into contact with industry through lectures, demonstrations, and mill visits. Repeats, color combinations, coordinates, reference pieces, and adaptations are stressed. Special attention is given to the preparation of student portfolios, with an emphasis on professional presentation.
3 CREDITS; 6 STUDIO HOURS PER WEEK

SD 265 — PROFESSIONAL INDUSTRY TECHNIQUES
Prerequisite: SD 125
For one-year Textile/Surface Design students only. Students become more familiar with industry and business practices through lectures, demonstrations, and visits to studios, showrooms, and mills. They further their expertise in color matching and executing color combinations and repeats, with focus on portfolio presentations.
2 CREDITS; 4 STUDIO HOURS PER WEEK

SD 271 — TEXTILE/SURFACE DESIGN USING ADOBE ILLUSTRATOR (FORMERLY SD 371)
Prerequisite: SD 224
Students learn to use Adobe Illustrator for application to textile and surface design and gain proficiency in working between Adobe Illustrator and Adobe Photoshop. Target markets and the creative use of software for portfolio development is emphasized.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LAB HOURS PER WEEK

SD 281 — PRINTING FOR FABRICS
Students prepare screens for designs, mix pigments, and print on fabric in actual screen printing workshop surroundings. Creative design is applied to other methods of textile reproduction.
3 CREDITS; 6 WORKSHOP HOURS PER WEEK

SD 282 — SCREEN PRINTING
Prerequisite: SD 185 or SD 281
Advanced work in printing techniques with emphasis on experimental methods. Long table printing using large screens.
3 CREDITS; 6 WORKSHOP HOURS PER WEEK

SD 299 — INDEPENDENT STUDY IN SURFACE DESIGN
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

SD 303 — SCREEN PRINTING WITH TYPOGRAPHIC IMAGERY
Prerequisites: CD 322 and GD 312
For Graphic Design students. The process and possibilities of screen printing as a medium of expression and reproduction are explored. Students focus on computer-generated typographic imagery and the effects of manipulation through this process.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

SD 311 — LACE AND EMBROIDERY DESIGN
Application of design principles to the needs of the lace and embroidery industry. Study of the technical requirements for and creation of original designs for machine reproduction of Bonnaz, Schiffli, Swiss-handloom, and other types of lace and embroidery.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

SD 321 — ADVANCED HAND SCREEN PRINTING FOR PORTFOLIO DEVELOPMENT
Prerequisite: SD 185 or SD 229
This course explores advanced methods of developing repeats and printing techniques for long table fabrics. Students choose a market and produce a line of fabrics for a specific client while developing personal style and professionalism in a modern screen printing environment. Auto graphic as well as digitally produced positives may be used to produce large screens that will be printed in repeat and in multiple color ways.
2 CREDITS; 4 STUDIO HOURS PER WEEK

SD 351 — SURFACE DESIGN: PAPER PRODUCTS
Learning to design products for tabletop, students produce print designs, shopping bags, playing cards, and tissue boxes. The uniqueness of designing for paper products is emphasized.
2 CREDITS; 4 STUDIO HOURS PER WEEK

SD 357 — APPLIED SURFACE DESIGN FOR THE HOME
Students research design possibilities to create color/pattern-coordinated designs for a spectrum of home products. Critiques are in direct consultation with industry.
3 CREDITS; 6 STUDIO HOURS PER WEEK

SD 421 — FASHION PRINTS/APPAREL
Prerequisite: SD 261
New aspects of designing for fashion fabrics are explored. Introduces engineered prints using a variety of media emphasizing industry standards.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

SD 451 — SURFACE DESIGN: PRINT MEDIA GRAPHICS
Explores graphic design concepts for dinnerware, tabletop, and related products with special emphasis on the needs of industry and the marketplace.
2 CREDITS; 4 STUDIO HOURS PER WEEK

SD 461 — PORTFOLIO COLLECTION
Preparation of a professional portfolio collection inspired by research and influenced by market trends. Students’ collections include coordinated designs for fashion, home, contract or product, incorporating printed, woven, fiberart, knit, and CAD applications.
3 CREDITS; 6 STUDIO HOURS PER WEEK

SD 462 — ADVANCED HAND SCREEN PRINTING
This course explores advanced methods of developing repeats and printing techniques for long table fabrics. Students choose a market and produce a line of fabrics for a specific client while developing personal style and professionalism in a modern screen printing environment. Auto graphic as well as digitally produced positives may be used to produce large screens that will be printed in repeat and in multiple color ways.
2 CREDITS; 4 STUDIO HOURS PER WEEK

SD 471 — INDEPENDENT STUDY IN SURFACE DESIGN
Prerequisite: SD 224
Students research design possibilities to create color/pattern-coordinated designs for a spectrum of home products. Critiques are in direct consultation with industry.
3 CREDITS; 6 STUDIO HOURS PER WEEK

SD 481 — SCREEN PRINTING: SCARVES
Prerequisite: SD 281
Advanced work in printing techniques with emphasis on experimental methods. Long table printing using large screens.
3 CREDITS; 6 WORKSHOP HOURS PER WEEK

SD 503 — SCREEN PRINTING WITH TYPOGRAPHIC IMAGERY
Prerequisites: CD 322 and GD 312
For Graphic Design students. The process and possibilities of screen printing as a medium of expression and reproduction are explored. Students focus on computer-generated typographic imagery and the effects of manipulation through this process.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

SD 509 — INDEPENDENT STUDY IN SURFACE DESIGN
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)
Spanish

SP 111 — SPANISH I
This introductory course enables students with no background in Spanish to communicate with Spanish-speaking people. The basic skills of speaking, reading, and writing in Spanish are established and the cultures where Spanish is spoken are introduced. Teacher-instructed multimedia laboratory sessions reinforce skills learned in the classroom. (G8: Foreign Language)
3.5 CREDITS; 3 LECTURE AND 1 LABORATORY HOURS PER WEEK

SP 112 — SPANISH II
Prerequisite: SP 111 or equivalent
Students expand upon the skills established in Spanish I and continue to study the cultures where Spanish is spoken. Teacher-instructed multimedia language laboratory sessions reinforce skills learned in the classroom. (G8: Foreign Language)
3.5 CREDITS; 3 LECTURE AND 1 LABORATORY HOURS PER WEEK

SP 122 — SPANISH CONVERSATION I
Prerequisite: SP 111 or equivalent
Conducted in a Spanish-speaking country, students learn to converse in Spanish by emphasizing interaction in real-life situations. Functional and practical verbal communications are addressed, with a focus on the cultures where Spanish is spoken. Course also taught abroad during the Winterim session and in July.
3 CREDITS

SP 132 — SPANISH IN SANTIAGO DE COMPOSTELA
Prerequisite: SP 112 or equivalent
Provides an opportunity for total immersion in Spanish and for developing an awareness of the people, customs, and cultures of traditional Spain. Continuation of the practice, development, and use of the basic spoken and written structures of contemporary Spanish. Emphasis is placed on immediate active use of the language. Field trips fulfill the lab component of this course. (G8: Foreign Language)
3.5 CREDITS; 4 DAYS PER WEEK FOR FOUR WEEKS IN JULY

SP 141 — SPANISH FOR SPANISH SPEAKERS I
For Spanish-speaking students who wish to improve their skills in Spanish in order to be competitive in the job market as bilinguals. Teacher-instructed multimedia laboratory sessions reinforce skills learned in the classroom. (G8: Foreign Language)
3.5 CREDITS; 3 LECTURE AND 1 LABORATORY HOURS PER WEEK

SP 142 — SPANISH FOR SPANISH SPEAKERS II
Prerequisite: SP 141 or equivalent
Spanish-speaking students build on and refine their communications skills and cultural knowledge acquired in SP 141. Teacher-instructed multimedia laboratory sessions reinforce skills learned in the classroom. (G8: Foreign Language)
3.5 CREDITS; 3 LECTURE AND 1 LABORATORY HOURS PER WEEK

SP 213 — SPANISH III
Prerequisite: SP 112 or equivalent
This intermediate course is designed to review and refine students’ communication skills in Spanish. Supplementary reading materials (including poetry, short stories, and magazine and newspaper articles), films, and videos further the students’ knowledge of the cultures where Spanish is spoken. Teacher-instructed multimedia laboratory sessions reinforce skills learned in the classroom. (G8: Foreign Language)
3.5 CREDITS; 3 LECTURE AND 1 LABORATORY HOURS PER WEEK

Social Sciences

SS 131 — GENERAL PSYCHOLOGY
Principles of psychology and their application to general behavior are presented. Stresses the scientific method in understanding learning, perception, motivation, emotion, personality, development, and the social influences on human behavior. (G4: Social Sciences)
3 CREDITS

SS 141 — MACROECONOMICS
Introduction to basic principles and characteristics of economic systems. Primary emphasis is on macroeconomic issues, including national income determination, monetary and fiscal policy, and current economic problems. (G4: Social Sciences)
3 CREDITS

SS 151 — INTRODUCTION TO WORLD AFFAIRS
Examines the contemporary world including changes in Europe, Russia, and the Third World. Explores timely international issues such as nuclear arms, the breakdown of the Soviet Union, and the Israeli-Arab dispute. (G4: Social Sciences; G9: Other World Civilizations)
3 CREDITS

SS 171 — INTRODUCTORY SOCIOLOGY
Study of patterned social behavior and the interrelationships between individual life experience and the social structure that helps to shape it. (G4: Social Sciences)
3 CREDITS
SS 231 — PERSONALITY
Prerequisite: SS 131
Emphasizes normal personality development as viewed from a variety of perspectives, including social, educational, biological, and psychodynamic factors. Students apply these psychological principles to problems of everyday living and gain an understanding of both normal and deviant reactions to life events. (G4: Social Sciences)
3 CREDITS

SS 232 — DEVELOPMENTAL PSYCHOLOGY
Prerequisite: SS 131
Studies the development of psychological, emotional, social, and biological processes from prenatal stage and birth to maturity. Emphasis is on critical stages in development as well as application of psychological principles to everyday situations. (G4: Social Sciences)
3 CREDITS

SS 237 — INDUSTRIAL PSYCHOLOGY
Prerequisite: SS 131 or approval of chairperson
Applies psychological principles to issues in the workplace. Personnel selection, training, leadership, motivation, job satisfaction, performance appraisal, and stress are explored to provide future leaders, managers, and technical specialists with information and skills to enhance their interpersonal and organizational effectiveness. (G4: Social Sciences)
3 CREDITS

SS 251 — AMERICAN GOVERNMENT AND POLITICS
Examines the organization and operation of the American political system, including analysis of present national policies and problems. (G4: Social Sciences)
3 CREDITS

SS 272 — SEX ROLES, MARRIAGE, AND FAMILY IN TRANSITION
Sociological study of sex roles and relationships in modern society. Analysis of traditional marriage and family systems, new alternatives, and future trends. (G4: Social Sciences)
3 CREDITS

SS 273 — THE STUDY OF SOCIAL PROBLEMS: PROSTITUTION, DRUGS AND OTHER ISSUES
Studies social problems in contemporary society, emphasizing interrelationships between social systems, social change, and individual lives. (G4: Social Sciences)
3 CREDITS

SS 275 — SOCIOLOGY OF RACE AND ETHNIC RELATIONS
An overview of the major concepts and theories defining the nature of race and ethnic relations, prejudice, and discrimination. Strategies for reducing prejudice and discrimination and promoting intergroup harmony are addressed. (G4: Social Sciences)
3 CREDITS

SS 276 — DEVIANCE IN AMERICAN HISTORY: A SOCIOLOGICAL PERSPECTIVE
Provides an overview of key events in American history from the Civil War to the present, as seen through the lens of the sociology of deviance. This course explores the social processes by which behaviors are defined as deviant, and the consequences of the deviance label. (G10: American History)
3 CREDITS

SS 277 — CULTURAL EXPRESSIONS OF NON-WESTERN DRESS AND FASHION
This course introduces students to the socio-cultural meanings of ethnic dress. Students examine case studies from non-Western cultures to understand how dress reflects the values and beliefs of traditional cultures, and how ethnic dress has become integrated into today's fashions. (G9: Other World Civilizations)
3 CREDITS

SS 299 — INDEPENDENT STUDY IN THE SOCIAL SCIENCES
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

SS 334 — THE PSYCHOLOGY OF COLOR
Prerequisite: SS 131 or approval of chairperson
Examines the importance of color and its influences on behavior. Topics include the biological and perceptual characteristics of color, fundamental color research, societal and cultural influences on the meanings and uses of color, adaptations of color in both natural and manmade environments, and the interaction between personality and color. Special attention is given to the application of color in both industry and everyday life. (G4: Social Sciences)
3 CREDITS

SS 342 — MICROECONOMICS
Prerequisite: SS 141
Examines the principles underlying the behavior of business firms, resource owners, and consumers within a system of price-making markets. Emphasis is on pricing, resource allocation, cost analysis, price determination under market structures ranging from competition to monopoly, and a functional approach to the distribution of income. (G4: Social Sciences)
3 CREDITS

SS 343 — LABOR ECONOMICS
Prerequisites: SS 141 and SS 342
Examines labor economics and labor institutions' role in the U.S. economy. Major subjects include the changing labor force and its composition, labor markets, labor unionism, collective bargaining, labor legislation, and government regulation. (G4: Social Sciences)
3 CREDITS

SS 352 — CONTEMPORARY WESTERN EUROPE
Introduction to the Western European countries and societies, their relations with each other and with the rest of the world. Also examines the trend toward integration of the European Union. (G4: Social Sciences)
3 CREDITS

SS 353 — LATIN AMERICA TODAY
Introduction to modern Latin American countries and societies with surveys of their economies, politics, and cultures. Also explores inter-American and international relations. (G4: Social Sciences; G9: Other World Civilizations)
3 CREDITS

SS 354 — COMPARATIVE POLITICAL SYSTEMS
Study of political systems with a global perspective; compares and contrasts contemporary political ideologies, institutions, and processes from democracies to authoritarian regimes, advanced industrialized economies to Third World countries. (G4: Social Sciences; G9: Other World Civilizations)
3 CREDITS

SS 355 — CONTEMPORARY AFRICAN POLITICS
An introduction to modern African political, cultural, and social institutions. The first part of the course focuses on examining Egypt, Kenya, Nigeria, and South Africa. The second part concentrates on issues that transcend borders: political instability and civil wars, the AIDS epidemic and other health crises, population growth, economic development and poverty, and environmental degradation. The significance of U.S.-African relations is also studied. (G9: Other World Civilizations)
3 CREDITS
SS 356 — ASIA IN MOTION: NATIONAL, INTERNATIONAL, AND TRANSNATIONAL RELATIONS
Examines the complexity, diversity, and dynamics of East Asian and Southeast Asian politics. The course analyzes Asia and its moves toward modernity in terms of politics, economics, and culture. Topics include modernization, post-World War II political settings, and post-Cold War regional integration. (G9: Other World Civilizations)
3 CREDITS

SS 374 — CROSS-CULTURAL STUDIES
Prerequisites: two introductory Social Sciences courses (SS 131, SS 141, SS 151, SS 171), or approval of chairperson
This course provides conceptual and practical knowledge of the societies and cultures, economies, histories, and institutions of non-Western societies. Special attention is paid to the distinctive features of Japan and India. Students are introduced to the range and significance of cultural differences and will be prepared to adapt to these cultural differences as they move into international arenas. (G4: Social Sciences; G9: Other World Civilizations)
3 CREDITS

SS 376 — CLOTHING AND SOCIETY
Prerequisites: two introductory Social Sciences courses (SS 131, SS 141, SS 151, SS 171), or approval of chairperson
Examines the development of dress, adornment, and appearance as a nonverbal mode of communication and explores the meaning of clothing in modern American society. (G4: Social Sciences)
3 CREDITS

SS 378 — SOCIAL PSYCHOLOGY
Prerequisite: SS 131
Human behaviors such as aggression, prejudice, attraction, attitude formation, conformity, helping, and group processes are examined with particular emphasis on their current applications. (G4: Social Sciences)
3 CREDITS

SS 381 — ECONOMIC IDEAS PAST AND PRESENT (HONORS)
Prerequisite: qualification for Presidential Scholars Program, or 3.5 GPA with approval of dean for Liberal Arts
Traces the rise of major economic philosophies from before Quesnay through Smith, Ricardo, Marx, Keynes, and beyond. The evolution of broad-scale models of social reality and their relationships to the times in which economists lived are emphasized. (G4: Social Sciences)
3 CREDITS

SS 382 — PSYCHOPATHOLOGY AND MODERN LIFE (HONORS)
Prerequisite: qualification for Presidential Scholars Program, or 3.5 GPA with approval of dean for Liberal Arts
Students learn the symptoms, causes, and treatment of psychological disorders and the contemporary issues facing mental health researchers and practitioners. Psychopathology is presented as both a scientific and a clinical endeavor that gives students the clearest understanding of the field. Information from the text and lectures is based on current research, findings, and different theoretical approaches. (G4: Social Sciences)
3 CREDITS

SS 393 — POLITICS IN THE MIDDLE EAST (HONORS)
Prerequisite: qualification for Presidential Scholars Program, or 3.5 GPA with approval of dean for Liberal Arts
The most significant issues in Middle Eastern politics are presented in three parts: an examination of the ethnic, geopolitical, and religious composition of the Middle East; an exploration of issues of conflict, including the Arab-Israeli dispute and the Persian Gulf War; and a study of the nature of economic and military cooperation among countries in the Middle East and with other countries. Topics analyzed include economic development, moves toward democratization, and regional alliances. (G4: Social Sciences; G9: Other World Civilizations)
3 CREDITS

SS 394 — INTERNATIONAL ECONOMICS
Prerequisites: SS 141 and SS 342
Reviews the origins of modern international economic theory and discusses present patterns of trade and finance, including the balance of payments and its economic effects, exchange rates, international commodity agreements, and tariff policies. Includes an analysis of the relationship between international economics and current U.S. economic problems. (G4: Social Sciences)
3 CREDITS

SS 395 — MONEY AND BANKING
Prerequisite: SS 342
Reviews the monetary and banking system of the United States, with emphasis on its structure and regulation. The theoretical framework of the monetary system and its relation to monetary policy also are studied. (G4: Social Sciences)
3 CREDITS

SS 396 — ECONOMIES OF LATIN AMERICA
Prerequisites: SS 141 and SS 342
The course reviews modern international economic theory and its application to the Latin American economies. Major topics include trade theory and regulation, industrial policies, regional trading agreements, and the role of multinational enterprises and financial issues. Students examine theoretical concepts within the context of the historical and current economic experiences of Latin America. (G4: Social Sciences; G9: Other World Civilizations)
3 CREDITS

SS 399 — INDEPENDENT STUDY IN THE SOCIAL SCIENCES
Prerequisite: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

Textile Design (See also SD)

TD 111 — COMPUTER-AIDED DESIGN PRINCIPLES FOR TEXTILE DESIGN
An introduction to the fundamentals of computer-aided textile design. Students use current, off-the-shelf graphics software to produce original designs, croquis and repeat layouts, coordinates, and color combinations while exploring color palettes, scale, and proportion. Web resources, scanning, file management, and printing options are explained, and presentation skills are emphasized.
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK

TD 131 — WOVEN DESIGN
Introduction to creating woven fabrics on a table hand loom. Students learn basic weaving techniques, drafting of weaves on paper, and the interrelation of yarns, color, and weave structure in a fabric design.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK
TD 237 — EXPERIMENTAL WOVENS
Prerequisite: TD 131 or TD 137, or approval of chairperson
Using the standard design tools, a handloom and a computer, students explore the hand, color, weave structure, construction, pattern, and end use of woven fabric. The hands-on aspect of the class encourages creativity, technical development, and exploration of texture and finishes.
2 CREDITS; 4 COMPUTER LABORATORY HOURS PER WEEK

TD 299 — INDEPENDENT STUDY IN TEXTILE DESIGN
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

TD 312 — COMPUTER GRAPHICS FOR TEXTILE DESIGN I
Prerequisite: CG 111
Introduction to creating artwork on the computer using the U4ia software program, including scanning and cleaning images, original patterns, colorways, repeats, and woven fabrics. Designs are applied to fashion silhouettes for merchandising collections targeting specific markets. Portfolio-quality presentations are produced using digital printouts.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

TD 331 — WOVEN DESIGN
Prerequisite: TD 132
Introduces multi-harness table and floor looms. Students design and execute fabric for dyeing to understand the reaction of dyes on yarns of different fiber and texture; how to engineer woven fabrics for dyeing; and how to design and weave original fabrics for apparel and home furnishings and present them as coordinated boards.
3 CREDITS; 6 STUDIO HOURS PER WEEK

TD 332 — ADVANCED WOVEN DESIGN
Prerequisites: TD 131 and TD 132, or approval of chairperson
This course introduces students to the research, development, and creation of complex, multi-shaft woven structures. Projects include an in-depth exploration of woven structures and creation of woven design collections based on market trends.
2 CREDITS; 4 LABORATORY HOURS PER WEEK

TD 353 — TUFTED AND PRINTED RUGS AND CARPETING DESIGN
Designing of tufted and printed carpeting for custom, commercial, and mass markets. Studies repeats and problems related to repeats in carpets, trends in construction, and color end use, and analyzes application of all types of printing and tufting equipment used in industry. Color coordination for various types of interiors. Guest speakers and field trips are included.
2 CREDITS; 4 STUDIO HOURS PER WEEK

TD 355 — FIBER TECHNIQUES FOR ART AND DESIGN
A variety of materials and techniques are used to create wall hangings, sculptural forms, and home furnishings and fashion accessories. Emphasis is on design principles, using new technologies and computer-generated imagery for presentations to architects, interior designers, and the home fashion industry. Guest speakers and field trips are included.
2 CREDITS; 4 LABORATORY HOURS PER WEEK

TD 372 — DESIGN FOR KNITTED FABRICS I
Design and development of jersey, rib, interlock, and double-knit fabrics is studied. Students solve problems in adapting designs to machines using wheel, jacquard, and drum mechanisms.
2 CREDITS; 1 LECTURE AND 2 WORKSHOP HOURS PER WEEK

TD 137 — WOVEN DESIGN
An accelerated course for one-year students which introduces them to designing woven textiles on table and floor looms. Through planning and executing fabric samples, students learn how fiber, color, and structure are interrelated in woven design.
3 CREDITS; 6 STUDIO HOURS PER WEEK

TD 232 — WOVEN DESIGN
Prerequisite: TD 132 or approval of chairperson
Students design and weave on an 8- or more harness floor loom. They create their own professional, coordinated collections for both apparel and interior fabrics and begin cloth analysis.
3 CREDITS; 6 STUDIO HOURS PER WEEK

TD 332 — ADVANCED WOVEN DESIGN
Prerequisites: TD 131 and TD 132, or approval of chairperson
This course introduces students to the research, development, and creation of complex, multi-shaft woven structures. Projects include an in-depth exploration of woven structures and creation of woven design collections based on market trends.
2 CREDITS; 4 LABORATORY HOURS PER WEEK

TD 353 — TUFTED AND PRINTED RUGS AND CARPETING DESIGN
Designing of tufted and printed carpeting for custom, commercial, and mass markets. Studies repeats and problems related to repeats in carpets, trends in construction, and color end use, and analyzes application of all types of printing and tufting equipment used in industry. Color coordination for various types of interiors. Guest speakers and field trips are included.
2 CREDITS; 4 STUDIO HOURS PER WEEK

TD 355 — FIBER TECHNIQUES FOR ART AND DESIGN
A variety of materials and techniques are used to create wall hangings, sculptural forms, and home furnishings and fashion accessories. Emphasis is on design principles, using new technologies and computer-generated imagery for presentations to architects, interior designers, and the home fashion industry. Guest speakers and field trips are included.
2 CREDITS; 4 LABORATORY HOURS PER WEEK

TD 372 — DESIGN FOR KNITTED FABRICS I
Design and development of jersey, rib, interlock, and double-knit fabrics is studied. Students solve problems in adapting designs to machines using wheel, jacquard, and drum mechanisms.
2 CREDITS; 1 LECTURE AND 2 WORKSHOP HOURS PER WEEK

TD 137 — WOVEN DESIGN
An accelerated course for one-year students which introduces them to designing woven textiles on table and floor looms. Through planning and executing fabric samples, students learn how fiber, color, and structure are interrelated in woven design.
3 CREDITS; 6 STUDIO HOURS PER WEEK

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Prerequisite: TD 132 or approval of chairperson
Students design and weave on an 8- or more harness floor loom. They create their own professional, coordinated collections for both apparel and interior fabrics and begin cloth analysis.
3 CREDITS; 6 STUDIO HOURS PER WEEK

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Prerequisites: TD 131 and TD 132, or approval of chairperson
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2 CREDITS; 4 LABORATORY HOURS PER WEEK

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Designing of tufted and printed carpeting for custom, commercial, and mass markets. Studies repeats and problems related to repeats in carpets, trends in construction, and color end use, and analyzes application of all types of printing and tufting equipment used in industry. Color coordination for various types of interiors. Guest speakers and field trips are included.
2 CREDITS; 4 STUDIO HOURS PER WEEK

TD 355 — FIBER TECHNIQUES FOR ART AND DESIGN
A variety of materials and techniques are used to create wall hangings, sculptural forms, and home furnishings and fashion accessories. Emphasis is on design principles, using new technologies and computer-generated imagery for presentations to architects, interior designers, and the home fashion industry. Guest speakers and field trips are included.
2 CREDITS; 4 LABORATORY HOURS PER WEEK

TD 372 — DESIGN FOR KNITTED FABRICS I
Design and development of jersey, rib, interlock, and double-knit fabrics is studied. Students solve problems in adapting designs to machines using wheel, jacquard, and drum mechanisms.
2 CREDITS; 1 LECTURE AND 2 WORKSHOP HOURS PER WEEK

TD 132 — WOVEN DESIGN
Prerequisite: TD 131 or approval of chairperson
Continued creative and experimental application of techniques learned in TD 131. Four-harness table looms are used to explore compound weave patterns and texture.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

TD 133 — CAD FOR YARN-DYED WOVEN FABRICS
Prerequisite: TD 131
Yarn-dyed patterns are created using a computer-aided design (CAD) program for woven design. Students learn to create checks, plaids, stripes, and textured patterns for apparel and home furnishings. Colorways and coordinates are explored.
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK

TD 137 — WOVEN DESIGN
An accelerated course for one-year students which introduces them to designing woven textiles on table and floor looms. Through planning and executing fabric samples, students learn how fiber, color, and structure are interrelated in woven design.
3 CREDITS; 6 STUDIO HOURS PER WEEK

TD 231 — WOVEN DESIGN
Prerequisite: TD 132 or approval of chairperson
Students weave and draft 8-harness fabric structures and conduct market research to create a collection of woven textiles related to apparel and home furnishings.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

TD 232 — WOVEN DESIGN
Prerequisite: TD 132 or approval of chairperson
Students design and weave on an 8- or more harness floor loom. They create their own professional, coordinated collections for both apparel and interior fabrics and begin cloth analysis.
3 CREDITS; 6 STUDIO HOURS PER WEEK

TD 233 — WOVEN DESIGN
Prerequisite: TD 137 or TD 232, or approval of chairperson
Students research and weave multi-layer complex structures, conduct cloth analysis, and develop a design collection of woven samples for apparel and/or contract markets. Woven designs are created on dobby and computerized looms.
3 CREDITS; 6 STUDIO HOURS PER WEEK

TD 234 — WOVEN DESIGN
Prerequisite: TD 231 or approval of chairperson
Study of piece-dyed and cross-dyed fabrics and color and weave effects. Planning and weaving fabrics for specific end use. Study of dyes and fibers used for developing woven textiles on 8-harness table looms.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

TD 236 — COMPUTER-AIDED WOVEN DESIGN
Prerequisite: TD 233 or TD 234, or approval of chairperson
This course deals with the transition from planning woven designs on paper to designing on the computer. Students develop designs for 8 to 24 harness looms using computer programs for woven designs.
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK

TD 299 — INDEPENDENT STUDY IN TEXTILE DESIGN
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

TD 312 — COMPUTER GRAPHICS FOR TEXTILE DESIGN I
Prerequisite: CG 111
Introduction to creating artwork on the computer using the U4ia software program, including scanning and cleaning images, original patterns, colorways, repeats, and woven fabrics. Designs are applied to fashion silhouettes for merchandising collections targeting specific markets. Portfolio-quality presentations are produced using digital printouts.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

TD 331 — WOVEN DESIGN
Prerequisite: TD 132
Introduces multi-harness table and floor looms. Students design and execute fabric for dyeing to understand the reaction of dyes on yarns of different fiber and texture; how to engineer woven fabrics for dyeing; and how to design and weave original fabrics for apparel and home furnishings and present them as coordinated boards.
3 CREDITS; 6 STUDIO HOURS PER WEEK
Textile Science (see also TT)

**TD 412 — COMPUTER GRAPHICS FOR TEXTILE DESIGN II**
Prerequisite: TD 312
Advanced use of U4ia software with emphasis on woven fabric designs, knits, and tonal prints. Designs are texture-mapped onto garments and home furnishing images for specific markets, resulting in a digital portfolio.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

**TD 472 — DESIGN FOR KNITTED FABRICS II**
Prerequisite: TD 372
Designing for circular knitting machines with special emphasis on repeats for patterning mechanisms and the newest yarn technology. Students solve problems in adapting jacquard design to machines using wheel and drum mechanisms.
2 CREDITS; 1 LECTURE AND 2 WORKSHOP HOURS PER WEEK

**TD 491 — INTERNSHIP**
A 12-week internship in industry, scheduled individually for a minimum of ten hours per week. Students have the opportunity to intern in the product design, home furnishings, or apparel industry.
3 CREDITS

**TD 499 — INDEPENDENT STUDY IN TEXTILE DESIGN**
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

Ladies Tailoring (See also AF, AP, AR, DP, FD, FF)

**TL 111 — LADIES TAILORING I**
Introduces students to the fundamental hand and machine skills. Includes construction processes, assembly procedures, selection of trimmings and notions, fabric cutting, and fabrics. Basic knowledge of sewing is required.
2.5 CREDITS; 1 LECTURE AND 3 LABORATORY HOURS PER WEEK

**TL 112 — LADIES TAILORING II**
Prerequisite: TL 111
Develops skills and techniques necessary to produce ladies' tailored slacks and vests. Includes construction processes, assembly procedures, selection of trimmings and notions, fabric cutting, and finishes for ladies' tailored slacks and vests.
2.5 CREDITS; 1 LECTURE AND 3 LABORATORY HOURS PER WEEK

**TL 211 — LADIES TAILORING III**
Prerequisite: TL 112
Employs industrial standards for tailoring ladies' jackets. Includes construction processes, assembly procedures, selection of trimmings and notions, fabric cutting, and working properties of fabrics and finishes for ladies' tailored jackets.
2.5 CREDITS; 1 LECTURE AND 3 LABORATORY HOURS PER WEEK

**TL 212 — LADIES TAILORING IV**
Prerequisite: TL 211
Employs industrial standards for tailoring ladies' topcoats or overcoats. Includes advanced construction processes, assembly procedures, selection of trimmings and notions, fabric cutting, and finishes for ladies' topcoats and overcoats.
2.5 CREDITS; 1 LECTURE AND 3 LABORATORY HOURS PER WEEK

**TS 015 — TEXTILES FOR PRODUCTION MANAGEMENT LABORATORY**
Co-requisite: TS 115
For Production Management: Fashion and Related Industries students. Provides laboratory study in conjunction with the textile principles learned in TS 115. Physical, chemical, and optical procedures are used to evaluate the properties of a wide range of fabrics.
1.5 CREDITS; 3 LABORATORY HOURS PER WEEK

**TS 111 — FUNDAMENTALS OF TEXTILES**
General study of textile materials with an emphasis on the factors that produce successful fabrics in the marketplace, including fibers, yarns, construction, color, and finish. Characteristics of a wide range of market fabrics are examined.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

**TS 114 — TEXTILE FUNDAMENTALS FOR TEXTILE DESIGN I**
Prerequisite: TD 131
For Textile/Surface Design students. Study of textile materials with emphasis on the fundamentals of fiber, yarn, and construction as they affect aesthetics and end-use performance.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

**TS 115 — TEXTILES FOR PRODUCTION MANAGEMENT**
Co-requisite: TS 015
For Production Management: Fashion and Related Industries students. Study of textile materials with emphasis on factors of concern to the manufacturer of apparel, including fiber types, construction, and finishes.
3 CREDITS

**TS 116 — KNIT DESIGN PRINCIPLES AND TECHNOLOGY**
Prerequisite: TS 111 or equivalent
In this introductory course, students learn to identify, analyze, design, and document weft-knitted fabrics. The class covers the relationships between knit fabric structures and the technology used to create them. Students create original designs on industrial machinery and on computer patterning workstations.
2 CREDITS; 1 LECTURE AND 2 LABORATORY HOURS PER WEEK

**TS 122 — TEXTILE PRINCIPLES FOR INTERIOR DESIGN**
For Interior Design students. Study of textile materials with emphasis on the factors that produce successful fabrics in the marketplace, including fibers, yarns, construction, color, and finish. Characteristics of a wide range of market fabrics are examined.
2 CREDITS; 1 LECTURE AND 2 LABORATORY HOURS PER WEEK

**TS 171 — HI-TECH TEXTILES FOR APPAREL AND ACCESSORIES**
Prerequisite: TS 111 or TS 131 or TS 132 or equivalent, or approval of chairperson
This course takes an analytical approach to advanced textile design applications, focusing on specialized outerwear and high-performance apparel and accessories.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK
2.5 CREDITS; 2 LECTURE AND 1 LABORATORY HOURS PER WEEK

TS 236 — STRIP KNITTING DESIGN TECHNOLOGY
Prerequisite: TS 131 or TS 132
Co-requisite: TS 237
For Fashion Design students. Students learn the scope and limitations of the various types of industrial equipment required in the production of strip knit garments. Includes studies in fabric analysis and methods to graphically represent garments and fabric creations for translation by technicians into machine language.
2 CREDITS; 1 LECTURE AND 2 LABORATORY HOURS PER WEEK

TS 237 — DESIGNING FABRIC STRUCTURES FOR STRIP KNIT GARMENTS
Prerequisite: TS 131 or TS 132
Co-requisite: TS 236
For Fashion Design students. Students learn the fundamentals of strip knitting structures and design. Emphasis is on developing the ability to express creativity through the medium of knitting machinery. Students develop and produce their own fabrics on industrial sampling strip knit machinery.
2 CREDITS; 1 LECTURE AND 2 LABORATORY HOURS PER WEEK

TS 251 — INTRODUCTION TO WEFT KNITTING PRINCIPLES
Prerequisite: TS 131 or TS 132
Co-requisites: FD 358 and FF 352
For Fashion Design (knitwear track) BFA students. An introduction to the technical principles of weft knit structures, covering the relationships between stitch formation, fabric construction, yarn selection, and knitting machinery. Emphasis is placed on the creative and practical application of weft knit structures.
3 CREDITS; 1 LECTURE AND 4 LABORATORY HOURS PER WEEK

TS 263 — WEFT KNITTING TECHNOLOGY
Prerequisite: TS 111
For Menswear students. Covers a wide range of knit fabric structures used in the menswear fashion industry. Students work with hand knitting and industrial machinery to create designs and to relate these designs to the knitting principles involved.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

TS 331 — INTRODUCTION TO KNITTING PRINCIPLES
Prerequisite: TS 131 or TS 132
Students learn to identify, analyze, and design various weft knitted fabrics. Provides an understanding of the relationship between fabric structure, yarn type, stitch formation, and machine type. Students design and produce original fabric on hand or power machines.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

TS 341 — SURVEY OF TEXTILE PRINTING TECHNOLOGY
Prerequisite: TS 214 or approval of chairperson
Survey of the rudiments of commercial textile printing to establish a basic common communications link between designer/stylist and production. Students use their own original design concepts for case-study lessons in feasibility.
2.5 CREDITS; 2 LECTURE AND 1 LABORATORY HOURS PER WEEK

2 CREDIT; 2 LECTURE AND 4 LABORATORY HOURS PER WEEK

TS 361 — KNIT FABRICS AND MACHINES
Prerequisite: TS 111 or approval of chairperson
For Production Management: Fashion and Related Industries students. The principles of weft and warp knit fabric structure and production are discussed. Topics include the relationship between fabric structure and machine capability, fabric analysis and development, costing, quality control, and production control. Students work on hand knitting machines to reinforce principles covered in lectures.
4 CREDITS; 2 LECTURE AND 4 LABORATORY HOURS PER WEEK

TS 366 — EXPERIMENTATIONS WITH WEFT KNITTING STRUCTURES AND MACHINERY
Prerequisite: TS 431
Co-requisite: FD 493
For Fashion Design (knitwear track) BFA students. This course summarizes the complex relationship between weft knit structures and the machinery that produces them. Emphasis is placed on functional and aesthetic concerns in full-fashioned garment construction. Students are encouraged to experiment with creative combinations of advanced techniques, expanding their range of expertise.
2 CREDITS; 4 LABORATORY HOURS PER WEEK

TS 367 — KNIT FABRICS AND MACHINES (FORMERLY TS 361)
Prerequisite: TS 111 or equivalent
For Production Management: Fashion and Related Industries students. Students analyze, identify, and document a range of knit fabric structures using industry-standard techniques and communication practices. Emphasis is placed on the relationships between fabric structures, machine capabilities, costing, sourcing, and quality control. Students knit basic weft structures on industrial hand machines and program fabrics on computer patterning workstations.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

TS 431 — ADVANCED CONCEPTS IN WEFT KNITTING
Prerequisites: TS 261 and FD 354
Students are presented with advanced concepts in weft knit structures and introduced to the principles of designing for computerized industrial power machinery. Students design and knit complex fabrics on industrial machinery for garments designed in FD 451. Students maintain a swatch book of all fabrics analyzed and designed in this course.
2.5 CREDITS; 1 LECTURE AND 3 LABORATORY HOURS PER WEEK

Textile Technology (See also TS)

TT 024 — PRODUCT DEVELOPMENT AND MARKETING APPLICATIONS: WOVENS LABORATORY
Prerequisite: TS 111 or approval of chairperson
Co-requisite: TT 324
Students study end uses for woven fabrics, research and identify market applications, and develop commercially viable fabrics based on styling concepts and specifications.
2 CREDITS; 4 LABORATORY HOURS PER WEEK

TT 033 — WARP KNITTED FABRIC STRUCTURES LABORATORY
Co-requisite: TT 433
Laboratory portion of TT 433. Students design and develop warp knitted fabrics based on market applications using industry specifications, communication techniques, and styling practices.
1 CREDIT; 2 LABORATORY HOURS PER WEEK
TT 038 — PRODUCT DEVELOPMENT AND MARKETING APPLICATIONS: WEFT KNITS LABORATORY
Prerequisite: TS 111 or approval of chairperson
Co-requisite: TT 338
Students design and develop weft knitted fabrics based on market applications using industry specifications, communications techniques, and styling practices.
2 CREDITS; 4 LABORATORY HOURS PER WEEK

TT 054 — TEXTILE QUALITY ASSURANCE LABORATORY
Prerequisite: TS 111 or equivalent, or approval of chairperson
Co-requisite: TT 454
Standardized textile testing procedures are examined and performed on a variety of fabrics to determine suitability for end-use performance.
1.5 CREDITS; 3 LABORATORY HOURS PER WEEK

TT 161 — SWEATER KNITTING TECHNOLOGY AND DESIGN I
Prerequisite (for Fashion Design BFA students): TS 331
Principles of design and development of fashioned and full-fashioned knit garments, and capabilities and limitations of flat knitting machines. Students analyze samples, design and lay out samples for various types of flat knitting equipment, and knit fabrics on the laboratory knitting machines.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

TT 173 — COMPUTER APPLICATIONS FOR TEXTILE DEVELOPMENT
Develop introductory Macintosh computer skills applicable in the textile industry, including word processing, spreadsheets, graphics, statistics, and databases, as well as weaving and knitting technology.
2 CREDITS; 4 COMPUTER LABORATORY HOURS PER WEEK

TT 174 — COMPARATIVE FABRIC STRUCTURES
Prerequisite: TS 111 or TS 131 or TS 132, or approval of chairperson
Within the context of potential end use, students are taught how to compare, categorize, and describe major textile structures. The course presents an overview of principles that define structural design and demonstrates how designs can be modified through styling. Emphasis is on identifying and evaluating cost/benefit factors and designing for utilitarian performance properties.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

TT 235 — COMPUTER-ASSISTED KNIT DESIGN
Prerequisite: TT 161 or approval of instructor
Presents principles of computer programming needed for producing sweater strip designs. A hands-on approach is used so that students may experience the entry of knitting data into a computerized pattern preparation system, and use the computer output for knitting their designs on computer-controlled knitting equipment. Includes various structures such as two- and three-color jacquards, pointelles, racked designs, and links jacquards.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

TT 247 — APPLIED COLOR TECHNOLOGY AND TEXTILE STYLING
Prerequisites: TS 111 or TS 131 or TS 132, and SC 032/332, or approval of chairperson
The visual and physical interaction of colors relative to commercial textile design and style structures is considered as are cost, performance, and marketing. Course includes discussion and use of specialized computer software for all phases of color development and shade matching.
2 CREDITS; 1 LECTURE AND 2 LABORATORY HOURS PER WEEK

TT 273 — THE TEXTILE INDUSTRY: A HISTORICAL SURVEY
Outlines origins of the American textile industry, with an analysis of the combined influences of evolving technologies and the development of marketing techniques. Views textile production as a dynamic system predicated on several established concepts, and current industry conditions are examined in terms of this system. A comparative analysis of modern industry with its antecedents is provided.
2 CREDITS

TT 299 — INDEPENDENT STUDY IN TEXTILE DEVELOPMENT AND MARKETING
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

TT 301 — TEXTILE APPLICATIONS
Students study textile-based consumer goods from a raw materials perspective. Product design concepts are identified in terms of functional utility, aesthetic requirements, and target price points. Design data are used to determine fiber, yarn, fabric structure, and finishing systems best suited to developing successful products.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

TT 312 — TECHNOLOGY AND MARKETING OF YARNS
Styling techniques for yarn development are examined in relation to specific end uses within the apparel and home furnishings markets.
2 CREDITS

TT 313 — TEXTILE FIBERS
Prerequisite: TS 111 or TS 122 or TS 131 or TS 132
Studies the role of textile fibers in the design, styling, and marketing of textile products. Aesthetics, performance, and cost/price relationships are emphasized.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

TT 324 — PRODUCT DEVELOPMENT AND MARKETING APPLICATIONS: WOVENS
Prerequisite: TS 111 or approval of chairperson
Co-requisite: TT 024
Examines the relationship between end-use applications and woven fabrics. Design concepts are considered from the perspectives of both woven structure and styling. Students learn identification methods and analysis techniques using existing fabrics.
3 CREDITS

TT 338 — PRODUCT DEVELOPMENT AND MARKETING APPLICATIONS: WEFT KNIT
Prerequisite: TS 111 or approval of chairperson
Co-requisite: TT 038
Through analysis techniques and market research, students identify the physical and aesthetic characteristics of weft-knitted fabrics. Design parameters that affect aesthetics, performance, and cost are studied.
2 CREDITS

TT 342 — DYEING AND COLOR TECHNOLOGY
Prerequisite: TS 111 or approval of chairperson
Studies the enhancement of textile products through the application of color. Primary emphasis is on commercial textile dyeing and its relationship to fashion colors, application procedures, quality, and marketing principles.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK
TT 361 — TECHNICAL STYLING: TEXTILES
Prerequisites: TS 111 or TS 131 or TS 132 or (TS 114 and TS 214)
The differentiation between the structural design of textile materials and technical styling is
examined. Students focus on commercial styling techniques used to develop yarns and fabrics
for specific end-use applications.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

TT 433 — WARP KNITTED FABRIC STRUCTURES
Prerequisite: TS 111
Co-requisite: TT 033
Through market research, students identify the physical and aesthetic requirements for warp
knitted fabrics. Design parameters that affect aesthetics, performance, and cost are studied.
Analysis techniques are taught to enable students to identify and modify various warp knit
structures.
1 CREDIT

TT 446 — TEXTILE FINISHING TECHNOLOGY
Prerequisite: TS 111 or approval of chairperson
Presents the aesthetic and functional values of textile finishing. Finishing methods and their
feasibility with respect to appearance, performance expectations, quality, and effect on hand are
covered. Emphasis is placed on finish practicality, quality, and longevity.
2 CREDITS; 1 LECTURE AND 2 LABORATORY HOURS PER WEEK

TT 454 — TEXTILE QUALITY ASSURANCE
Prerequisite: TS 111 or equivalent, or approval of chairperson
A study of the physical, chemical, optical, and colorfastness determination test methods, which
are required to evaluate fabrics for specific end-use performance and in-process quality control.
1 CREDIT

TT 471 — TECHNOLOGY AND MARKETING OF PRINTED TEXTILES
Students study the marketing practices as well as the technical considerations of commercially
accepted print processes and products. Color palettes, design repeat limitations, and marketing
strategies for end-use applications in the apparel and home furnishings industries are
emphasized.
2 CREDITS

TT 472 — HI-TECH TEXTILES
Examines the marketing of hi-tech fabrics. Product applications, major suppliers, technological
trends, distribution channels, and industry/government standards are studied. Product
development is discussed.
2 CREDITS

TT 473 — TEXTILES FOR HOME FURNISHINGS MARKETS
Prerequisites: TS 111 or TS 122 or TS 131 or TS 132 or (TS 114 and TS 214), or (TS 015 and TS 115)
Prepares the marketing strategies employed in the development of textile products for the home.
Separates the production of home furnishings textiles into distinct market segments, highlighting
the critical factors in each.
2 CREDITS

TT 474 — TEXTILES: DOMESTIC AND INTERNATIONAL MARKETS
The American textile complex is examined as an interactive player in a global network of
suppliers, production centers, and distribution markets. Primary emphasis is on a study of the
international market forces that affect both domestic and off-shore textile product development.
3 CREDITS

TT 475 — TEXTILE MARKETING
Studies the textile industry and how its various products are marketed. Case studies involving
both fiber producers and textile mills are analyzed. Students examine both the domestic and
international textile marketplaces.
3 CREDITS

TT 476 — TEXTILE PROJECT DEVELOPMENT
Prerequisites: TS 111, TT 342, and TT 477
Provides students with a realistic view of the production of a commercially marketable fabric line.
Understanding of artistic inspiration, timing, manufacturing, and cost decisions is necessary
for successful completion of the final project.
3 CREDITS

TT 477 — TEXTILE CONVERTING AND COSTING
Prerequisites: TT 024/324 and TT 038/338
Co-requisite: (for Textile Development and Marketing BS students) TT 342
Studies the principles and practices in purchasing yarn and greige goods for conversion to fashion
fabrics. Domestic and global sourcing systems as well as costing procedures are examined.
3 CREDITS; 2 LECTURE AND 2 LABORATORY HOURS PER WEEK

TT 499 — INDEPENDENT STUDY IN TEXTILE DEVELOPMENT AND MARKETING
Prerequisites: a minimum 3.5 GPA and approval of instructor, chairperson, and dean
VARIABLE CREDITS (3 CREDITS MAXIMUM)

Toy Design

TY 101 — INTRODUCTION TO TOY DESIGN
This introductory course is designed for students interested in exploring the area of Toy Design.
Students learn the design and invention process, as well as effective ways to visually
communicate concepts for toy products. Some drawing skills are needed. (G6: Arts)
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

TY 311 — TOY DESIGN I
Co-requisite: TY 351
Nurtures and develops creativity as it is applied to toy design. Various techniques for the design
of toys are explored and used in practical application.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

TY 313 — SOFT TOY AND DOLL DESIGN
Prerequisites: TY311, TY321, TY322, and TY351
Designing plush toys and dolls from research and development, concept creation, sketching, and
patternmaking, to prototype construction and presentation. The study of materials, manufacturing
techniques, packaging, and industry requirements, as related to toy design, is stressed.
3 CREDITS; 6 STUDIO HOURS PER WEEK

TY 314 — PROFESSIONAL PRACTICES IN TOY DESIGN
Prerequisites: SS 232, TY 311, TY 321, TY 322, TY 323, TY 351, and TY 362
This course combines studio work, discussion of trends, consultation with industry
professionals, and presentation practice in order to strengthen students' design and marketing
skills and develop portfolios to address the needs of the job market. Work focuses on specific
design categories according to individual needs.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK
TY 321 — DRAWING FOR TOY DESIGN
Co-requisites: TY 311 and TY 322
Development of drawing and rendering skills as the primary tools for conceptual and visual presentation of three-dimensional toy designs.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

TY 322 — MARKER RENDERING
Co-requisites: TY 311 and TY 321
Develops the professional techniques of executing toy design renderings for presentation.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

TY 323 — BASIC DRAFTING FOR PRODUCT DESIGN
Co-requisite: TY 351
Establishes basic understanding of mechanical drawing fundamentals and its application to toy design.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

TY 325 — COMPUTER-AIDED ADVANCED DRAFTING FOR PRODUCT DESIGN
Prerequisite: TY 323
Students develop advanced techniques by learning to use the computer as a design and drafting tool. Through demonstrations and in-class assignments, they integrate drafting knowledge with working in a digital environment.
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK

TY 331 — MODEL-MAKING I
Prerequisites: TY 311 and TY 323
Introduces the process of translating two-dimensional renderings into finished models in clay, wood, styrofoam, or thermoplastics. Vacuum-forming, fabricating, machining, and finishing techniques are presented.
2 CREDITS; 4 STUDIO HOURS PER WEEK

TY 342 — COMPUTER GRAPHICS IN TOY DESIGN
Prerequisite: TY 322
Students explore the computer as a tool for the presentation, refinement, and most importantly, the stimulation of creative design ideas. The fundamental principles of the two-dimensional bitmap and vector-based graphics using Adobe Photoshop and Illustrator on the Macintosh computer system are introduced.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

TY 351 — PRODUCT MATERIALS AND SAFETY CONSIDERATIONS
Co-requisites: TY 311 and TY 323
Study of the materials, machinery, and methods used to manufacture plastic and non-plastic toys that meet specific design requirements, safety standards, and durability tests cost-effectively.
2 CREDITS

TY 362 — THE TOY INDUSTRY: AN OVERVIEW
Co-requisite: TY 311
Introduces scope of the toy industry through its history and development. Provides understanding of the industry's organizational structure, toy categories, marketing techniques, and specific nomenclature. Presentations are made by major toy company executives and retailers.
1 CREDIT; 2 WORKSHOP HOURS PER WEEK

TY 411 — TOY DESIGN II AND PRODUCT UPDATE
Prerequisites: TY 311 and TY 325
Advanced methods for generation of toy design ideas. Emphasizes areas of new toy creation, line extension, and licensing. (G6: Arts)
2 CREDITS; 4 STUDIO HOURS PER WEEK

TY 414 — GAMES
Prerequisites: TY 411, TY 416, TY 417, and TY 431
Game theory and logic are studied and applied to the design of games with special regard to such factors as age, play pattern, three-dimensional skills, action, strategy, and psychology. Emphasizes the successful execution and presentation of game concepts.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

TY 415 — DOLL DESIGN
Prerequisite: TY 313 or approval of associate chairperson
Examines the various stages in the development of a prototype from concept to three-dimensional model. Cost factors, product positioning, fashion trends, methods of doll decoration, and industry safety standards are addressed.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

TY 416 — HARD TOY: DESIGN
Prerequisites: TY 311, TY 325, TY 331, and TY 351
Co-requisite: TY 417
The design component of creating hard toys, this course offers students the experience of designing toys from among the major toy categories. Drawing and presentation are stressed as an integral part of the product development process, underscoring the importance of the relationship between form and function. (G6: Arts)
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

TY 417 — HARD TOY: ENGINEERING
Prerequisites: TY 311, TY 325, TY 331, and TY 351
Co-requisites: TY 416 and TY 431
The engineering component of creating hard toys, this course offers students the experience of designing toys from among the major toy categories. The technical aspects of toy product development are stressed, helping students give form to their concepts while meeting standard manufacturing criteria.
1.5 CREDITS; 3 COMPUTER LABORATORY HOURS PER WEEK

TY 418 — LICENSED PRODUCT DESIGN
Prerequisites: MK 301, TY 311, TY 313, TY 325, TY 331, and TY 342
Providing a link between the creative ideas generated by students and the realities of the toy industry, this course introduces the licensed product category. Students build upon character ideas developed in previous courses to reconceptualize them in the context of licensed product.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK

TY 431 — MODEL-MAKING II
Prerequisites: TY 331 and TY 351
Co-requisites: TY 416 and TY 417
Advanced study of toy model-making techniques and equipment. Working from individual concept sketches, students refine model-making skills by producing their own finished prototypes.
2 CREDITS; 4 STUDIO HOURS PER WEEK
Visual Art Management

TA 431 — THE BUSINESS OF ART MUSEUM MANAGEMENT
Students build a firm knowledge of the business of managing an art museum; namely, how to achieve the institution’s mission for the benefit of its diverse constituents. Students complete a group project covering the broad array of support activities that must be considered for the presentation of an exhibition.
3 CREDITS

VA 491 — SENIOR SEMINAR: THE MUSEUM EXHIBITION
Using a major current exhibition as a case study, students examine the entire process of creating an exhibition. Through readings, field trips, and presentations by art professionals, students track the trajectory of an exhibition, from its original concept to its final, realized form, and gauge the subsequent critical response.
3 CREDITS

TY 442 — ADVANCED COMPUTER GRAPHICS IN TOY DESIGN
Prerequisites: TY 313, TY 325, and TY 342
Offered in conjunction with GD 407, this course introduces the principles of three-dimensional computer graphics and digital book design. Students build a three-dimensional model based on their soft toy designs and the character in preparation for inclusion in their digital books.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

TY 443 — INTERACTIVE MEDIA FOR TOY DESIGN
Prerequisites: GD 407 and TY 442
Students develop a strong foundation in interactive technologies and how they relate to computer game design using Macromedia Director in order to expand characters designed in the previous semester. Completed assignments involve creation of interactive products using graphics, sound, animation, and programming for CD-ROM.
2 CREDITS; 1 LECTURE AND 2 COMPUTER LABORATORY HOURS PER WEEK

TY 461 — BUSINESS PRACTICES FOR THE TOY INDUSTRY
Prerequisites: TY 351 and TY 411
Addresses the legal, ethical, and practical considerations involved in selling or licensing a toy design. Topics include patent, trademark, and copyright law; disclosure and licensing agreements; corporate and agency structure.
2 CREDITS

TY 462 — PROFESSIONAL PORTFOLIO DEVELOPMENT
Prerequisite: TY 442
Co-requisites: TY 443 and TY 493
Students analyze, position, and develop their portfolios for placement in an appropriate venue. A combination of studio work, marketing trend analysis, consultation with industry professionals, and presentation practice guides students toward a focused goal.
2 CREDITS; 4 STUDIO HOURS PER WEEK

TY 491 — SUMMER INTERNSHIP: TOY DESIGN
Prerequisites: TY 311, TY 313, and TY 331
A summer internship in industry, scheduled individually for a minimum of 160 hours during June and July. Includes a pre- and post-internship seminar. Completion of a daily journal, a written and oral report on the experience, and a portfolio of work is required. Applications must be submitted in spring semester prior to acceptance into program.
4 CREDITS

TY 493 — SENIOR PROJECT: DESIGN
Prerequisites: TY 411, TY 416, TY 417, and TY 431
The design component of the senior project, this course offers senior students the opportunity to individually design and present products from two of the major toy categories. Demands and restrictions of the toy industry are simulated by industry representatives who present students with actual market criteria.
1.5 CREDITS; 3 STUDIO HOURS PER WEEK