## Apparel, Merchandising and Design (A M D)

Courses primarily for undergraduates:

### A M D 120. Apparel Construction Techniques.
- **(3-0)** Cr. 3. SS.
- Analysis of and assemble components and completed garments with the use of basic sewing equipment. Learn basic construction techniques, applications and vocabulary. Students will need access to a home sewing machine, iron, computer and the internet. Not available for credit for AMD majors.

### A M D 131. Overview of the Fashion Industry.
- **(3-0)** Cr. 3. F.S.
- Introduction to fashion industry, industry structure from concept to consumer. Focus on fashion-driven consumer goods.

### A M D 155. Basic Flat Pattern and Draping Techniques.
- **(3-4)** Cr. 3. F.S.SS.
- Focus on fashion-driven consumer goods.

### A M D 166. Introduction to Apparel Design.
- **(3-0)** Cr. 3. F.S.
- Introduction to apparel design software for textile and fashion design for various markets. Introduction to digital printing technology. Digital presentation and portfolio development.

### A M D 203. Garment Construction.
- **(2-2)** Cr. 3.
- Principles of garment assembly. Use of mass production equipment and methods to analyze, develop and assemble garments.

### A M D 204. Textile Science.
- **(2-4)** Cr. 4. F.S.SS. **Prereq:** 131
- Online lectures. Textile fibers, yarns, fabrication, coloration, and finishes. Quality and performance application to consumer soft goods and technical textiles.

### A M D 211. Digital Apparel Design and Production.
- **(3-0)** Cr. 3. F.S. **Prereq:** AMD 245 or concurrent; AESHM 111
- Applications of basic skills in Photoshop, Illustrator, PDM, Excel, and databases.
- Introduction to digital product design and line development. Focus on elements and principles of design. Introduction to digital portfolio development for design and merchandising. Online lectures.

### A M D 221. Apparel Assembly Processes.
- **(1-4)** Cr. 3. F.S. **Prereq:** T C 204 or concurrent
- Principles of garment assembly. Use of mass production equipment and methods to analyze, develop and assemble garments.

### A M D 225. Patternmaking I.
- **(2-4)** Cr. 4. F.S. **Prereq:** T C 204, T C 221. **Permission of instructor**
- Basic flat pattern and draping methods for women’s apparel. Patternmaking by computer.

### A M D 231. Product Development and Manufacturing.
- **(3-2)** Cr. 4. F.S. **Prereq:** T C 204
- Analysis of apparel product development, sourcing, and manufacturing processes. Focus on materials and specifications relative to quality, performance, and cost.
- Applications of software for PLM.

### A M D 245. Aesthetics and Brand Image.
- **(3-0)** Cr. 3. F.S. **Prereq:** A M D 131, A M D 165, A M D 204 or concurrent
- Elements and principles of design. Analysis of sensory, expressive, and symbolic aspects that build brand image, with a focus on fashion products and promotional settings.

### A M D 257. Museum Studies.
- **(3-0)** Cr. 3. **Prereq:** Sophomore standing

### A M D 27B. Fashion Illustration.
- **(0-6)** Cr. 3. F.S. **Prereq:** A M D 120 or concurrent enrollment. **A M D 245 or concurrent enrollment. Permission of instructor**
- Development of drawing skills, including line, shape, perspective and value.
- Introduction to drawing the fashion figure and apparel using a variety of media.
- Fashion presentation and introduction to portfolio development.

### A M D 300. Basic Design Concepts Review.
- **Cr. 1.** Repeatable, maximum of 1 times. F.S. **Prereq:** Completion or enrollment in T C 225, T C 278
- Project review and skill assessment related to 2-dimensional and 3-dimensional visualization, apparel assembly, basic product knowledge, design problem solving. Review of fashion illustration, textiles, flat pattern, basic apparel assembly, design problem solving. Offered on a satisfactorily-fail basis only. Only one credit in 301 may be counted towards graduation.

### A M D 301. Quality Assurance of Textiles and Apparel.
- **(Dual-listed with A M D 305). (2-2)** Cr. 3. **F. Prereq:** 231, one course in natural science; STAT 101, STAT 226, or STAT 401

- **(0-6)** Cr. 3. **Prereq:** T C 210, T C 278 or concurrent enrollment. **Permission of instructor**
- Analysis and advanced use of computer-aided design software for textile and apparel design for various markets. Introduction to digital printing technology. Digital presentation and portfolio development.

### A M D 325. Patternmaking II.
- **(2-4)** Cr. 3. **F.S. Prereq:** T C 301; permission of instructor

### A M D 328. Design Seminar.
- **(Dual-listed with A M D 528).** Cr. arr. Repeatable. F.S.SS. **Prereq:** Vary with topic
- Focus on artisanal textile, apparel, or surface design techniques. Design processes for specialty fabrics and markets. Topics vary by term.

- **(3-0)** Cr. 3. F. **Prereq:** 3 credits from Hist or Art H
- Survey of history of dress from ancient times through 19th century; focus on European and North American dress. Emphasis on connection of dress to the social, cultural, environmental, and technological contexts of the Western world.
- Nonmajor graduate credit.
- Meets International Perspectives Requirement.

### A M D 356. History of Twentieth Century Fashion.
- **(Dual-listed with A M D 556). (3-0)** Cr. 3. **Prereq:** 3 credits Hist or Art H; A M D 204 recommended
- Survey of major design and technological developments in 20th Century fashion. Emphasis on fashion as a system of design and production, culture of consumption, fashion change, and trends in art, society, and culture.

### A M D 362. Cultural Perspectives of Dress.
- **(3-0)** Cr. 3. **Prereq:** T C 165 or 3 credits in anthropology, psychology, or sociology
- Analysis of multiple factors related to dress in selected societies, including technology, cultural identity, aesthetics, social organization, ritual, stability and change. Applications to apparel business.
- Meets International Perspectives Requirement.

### A M D 372. Sourcing and Global Issues.
- **(3-0)** Cr. 3. F.S. **Prereq:** A M D 231, AESHM 275; ECON 101 or ECON 102 recommended
- Evaluation of key issues facing textile- and apparel-related businesses in global markets considering ethical, economic, political, social, and professional implications. Sourcing strategies in a global environment. Corporate and consumer social responsibility and sustainability.
- Meets International Perspectives Requirement.

### A M D 376. Merchandise Planning and Control.
- **(3-2)** Cr. 4. F.S. **Prereq:** AESHM 275; 3 credits from ACCT 284, MATH 104, MATH 105, MATH 150, or equivalent
- Assortment planning, model stocks, six-month buying plan, retail math, buying concepts and strategies. Online modules.

### A M D 404. Textile Color Theory.
- **(Dual-listed with A M D 504). (3-0)** Cr. 3. S. **Prereq:** A M D 204, A M D 245; one natural science course (physics or chemistry recommended)
- Theories and principles of textile science; emphasis on color theory, dyes, and color matching.

- **(2-2)** Cr. 3. F. **Prereq:** A M D 301
- Garment development and analysis of fit, performance, quality, cost. Exploration of alternative materials, construction methods, grading; specifications and portfolio development.

### A M D 426. Creative Design Processes.
- **(Dual-listed with A M D 526). (1-4)** Cr. 3. Repeatable. **Prereq:** A M D 301, A M D 321
- Exploration of the creative process and sources of inspiration with emphasis on fashion presentation and line development for a variety of markets. Continued development of fashion illustration techniques, including digital illustration.
- Development of digital and paper portfolio.
(3-0) Cr. 3. S. Prereq: A M D 231; A M D 221 recommended
Procedures and experiences related to application and use of process controls:
method analysis, work measurement, costing, and production planning. Resource
management, technology applications, and quality assurance.

(3-0) Cr. 3. F. Prereq: A M D 165; AESHM 340; STAT 101 or STAT 104 or STAT 226;
Application of concepts and theories from the social sciences to the study of
consumer behavior related to dress, textile and apparel products, and retail
experiences. Experience in conducting consumer research.

A M D 475. Retail Information Analysis.
(2-2) Cr. 3. S. Prereq: T C 376
Forecasting, customer demand, assortment planning, market research, analysis
of customer databases, data mining, database interface, pattern recognition,
supply-chain/logistics management, retail technology applications such as Visual
Retailing, PLM, and Sourcing Simulator.

A M D 490. Independent Study.
Cr. arr. Repeatable. F.S.SS. Prereq: 6 credits in textiles and clothing. Permission
of the instructor, adviser, and department chair

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of the instructor, adviser, and department chair

A M D 490D. Independent Study: Aesthetics.
Cr. arr. Repeatable. F.S.SS. Prereq: 6 credits in textiles and clothing. Permission
of the instructor, adviser, and department chair

A M D 490E. Independent Study: Entrepreneurship.
Cr. arr. Repeatable. F.S.SS. Prereq: 6 credits in textiles and clothing. Permission
of the instructor, adviser, and department chair

A M D 490F. Independent Study: Sociological and Psychological Aspects of
Dress and Textiles.
Cr. arr. Repeatable. F.S.SS. Prereq: 6 credits in textiles and clothing. Permission
of the instructor, adviser, and department chair

A M D 490G. Independent Study: Consumer Behavior.
Cr. arr. Repeatable. F.S.SS. Prereq: 6 credits in textiles and clothing. Permission
of the instructor, adviser, and department chair

Cr. arr. Repeatable. F.S.SS. Prereq: 6 credits in textiles and clothing. Permission
of the instructor, adviser, and department chair

A M D 490I. Independent Study: Retail Merchandising.
Cr. arr. Repeatable. F.S.SS. Prereq: 6 credits in textiles and clothing. Permission
of the instructor, adviser, and department chair

Cr. arr. Repeatable. F.S.SS. Prereq: 6 credits in textiles and clothing. Permission
of the instructor, adviser, and department chair

A M D 490M. Independent Study: Museums.
Cr. arr. Repeatable. F.S.SS. Prereq: 6 credits in textiles and clothing. Permission
of the instructor, adviser, and department chair

Cr. arr. Repeatable. F.S.SS. Prereq: 6 credits in textiles and clothing. Permission
of the instructor, adviser, and department chair

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of the instructor, adviser, and department chair

Cr. arr. Repeatable. F.S.SS. Prereq: 6 credits in textiles and clothing. Permission
of the instructor, adviser, and department chair

A M D 490V. Independent Study: Sourcing and Global Issues.
Cr. arr. Repeatable. F.S.SS. Prereq: 6 credits in textiles and clothing. Permission
of the instructor, adviser, and department chair

A M D 495. Senior Design Studio.
Permission of instructor
Creation of apparel lines from concept through completion. One of the lines must
be submitted to juried competition.

A M D 496. Fashion Forecasting and Product Development.
(3-0) Cr. 3. F. Prereq: A M D 231, A M D 245, AESHM 275
Applying consumer, aesthetic, and quantitative trend information to develop value-
added apparel/textile products and product lines with merchandising/promotion
campaigns for diverse target markets. Multi-function team projects. Presentation to
industry representatives.

A M D 499. Undergraduate Research.
Cr. 1-3. Repeatable. F.S.SS. Prereq: Senior classification, 15 credits in A M D.
Permission of instructor, adviser, and department chair
Research experience in textiles and clothing with application to a selected problem.

Courses primarily for graduate students, open to qualified undergraduates:
A M D 504. Textile Color Theory.
(Dual-listed with A M D 404). (3-0) Cr. 3. S. Prereq: A M D 204, A M D 245; one
natural science course (physics or chemistry recommended)
Theories and principles of textile science; emphasis on color theory, dyes, and
color matching.

(Dual-listed with A M D 305). (2-2) Cr. 3. F. Prereq: 231, one course in natural
science; STAT 101, STAT 226, or STAT 401
Principles of product and materials evaluation and quality assurance. Developing
specifications and using standard practices for evaluating materials, product
characteristics, performance, and quality.

A M D 510. Foundation of Scholarship in Textiles and Clothing.
(3-0) Cr. 3. F. Prereq: Graduate classification
Overview of scholarship in textiles and clothing with emphasis on current and
future directions. Fundamentals of writing literature reviews. Examination of ethical
issues in scholarship and academic life. Introduction to creativity, sustainability,
and entrepreneurship. Development of teaching units.

(1-4) Cr. 3. Prereq: Experience with flat pattern or draping techniques and image
manipulation software. Permission of instructor
Research methods course. Digital textile and apparel design technologies.
Theories and practices of mass customization and personalization, digital textile
printing, 3D body scanning, creating avatars from body scans, and fitting digital
apparel designs.

(Dual-listed with A M D 426). (1-4) Cr. 3. Repeatable. Prereq: A M D 301, A M D 328
Exploration of the creative process and sources of inspiration with emphasis on
fashion presentation and line development for a variety of markets. Continued
development of fashion illustration techniques, including digital illustration.
Development of digital and paper portfolio.

A M D 528. Design Seminar.
(Dual-listed with A M D 328). Cr. arr. Repeatable. F.S.SS. Prereq: Vary with topic
Focus on artisanal textile, apparel, or surface design techniques. Design
processes for specialty fabrics and markets. Topics vary by term.

(Dual-listed with A M D 356). (3-0) Cr. 3. Alt. S., offered 2014.
Prereq: A history of
fashion course. Permission of instructor
Dress history research from late 19th century to present, focus on changes in
dress within historical, social, and industry contexts. Emphasis on research
methods in the study of dress history.
(3-0) Cr. 3. Prereq: T C 204
Condition assessment, repair, and stabilization of textiles and apparel in museum collections. Dry and aqueous cleaning. Examination of storage and exhibition techniques, materials, and conditions. Experience with cataloging and management practices.

(3-0) Cr. 3. Alt. F., offered 2013. Prereq: A M D 467 or MKT 447; STAT 401 Application of concepts and theories from the social sciences to the study of consumer behavior. Experience in conducting research; manuscript writing.


A M D 576. Industry Applications in Merchandising and Management.
(3-0) Cr. 3. Alt. S., offered 2014. Prereq: A M D 376 or equivalent; AESHM 275. Permission of instructor Using the case study method, students apply merchandising theory, principles, and practices to industry scenarios. Emphasis on problem solving, creative thinking, data analysis, and data interpretation involved in business operations. Focus on the development of leadership skills while functioning in small and large groups.

A M D 590. Special Topics.
Cr. arr. Repeatable. Prereq: Permission of department chair and instructor(s) Individually designed textile and clothing-related projects that reflect the special interests of the student.

A M D 590A. Special Topics: Textile Science.
Cr. arr. Repeatable. Prereq: Permission of department chair and instructor(s) Individually designed textile and clothing-related projects that reflect the special interests of the student.

A M D 590B. Special Topics: History of Dress and Textiles.
Cr. arr. Repeatable. Prereq: Permission of department chair and instructor(s) Individually designed textile and clothing-related projects that reflect the special interests of the student.

A M D 590C. Special Topics: Textile and Apparel Design.
Cr. arr. Repeatable. Prereq: Permission of department chair and instructor(s) Individually designed textile and clothing-related projects that reflect the special interests of the student.

A M D 590D. Special Topics: Aesthetics.
Cr. arr. Repeatable. Prereq: Permission of department chair and instructor(s) Individually designed textile and clothing-related projects that reflect the special interests of the student.

A M D 590E. Special Topics: Entrepreneurship.
Cr. arr. Repeatable. Prereq: Permission of department chair and instructor(s) Individually designed textile and clothing-related projects that reflect the special interests of the student.

A M D 590F. Special Topics: Sociological and Psychological Aspects.
Cr. arr. Repeatable. Prereq: Permission of department chair and instructor(s) Individually designed textile and clothing-related projects that reflect the special interests of the student.

A M D 590G. Special Topics: Consumer Behavior.
Cr. arr. Repeatable. Prereq: Permission of department chair and instructor(s) Individually designed textile and clothing-related projects that reflect the special interests of the student.

A M D 590H. Special Topics: Merchandising.
Cr. arr. Repeatable. Prereq: Permission of department chair and instructor(s) Individually designed textile and clothing-related projects that reflect the special interests of the student.

A M D 590I. Special Topics: Merchandising.
Cr. arr. Repeatable. Prereq: Permission of department chair and instructor(s) Individually designed textile and clothing-related projects that reflect the special interests of the student.

Cr. arr. Repeatable. Prereq: Permission of department chair and instructor(s) Individually designed textile and clothing-related projects that reflect the special interests of the student.

Cr. arr. Repeatable. Prereq: Permission of department chair and instructor(s) Individually designed textile and clothing-related projects that reflect the special interests of the student.

A M D 590L. Special Topics: Conservation.
Cr. arr. Repeatable. Prereq: Permission of department chair and instructor(s) Individually designed textile and clothing-related projects that reflect the special interests of the student.

A M D 590M. Special Topics: Museums.
Cr. arr. Repeatable. Prereq: Permission of department chair and instructor(s) Individually designed textile and clothing-related projects that reflect the special interests of the student.

A M D 590N. Special Topics: Apparel Production Management.
Cr. arr. Repeatable. Prereq: Permission of department chair and instructor(s) Individually designed textile and clothing-related projects that reflect the special interests of the student.

A M D 590O. Special Topics: Public Relations and Publishing.
Cr. arr. Repeatable. Prereq: Permission of department chair and instructor(s) Individually designed textile and clothing-related projects that reflect the special interests of the student.

A M D 590P. Special Topics: Interdisciplinary.
Cr. arr. Repeatable. Prereq: Permission of department chair and instructor(s) Individually designed textile and clothing-related projects that reflect the special interests of the student.

A M D 611. Seminar.
Cr. 1-3. Repeatable. Prereq: 9 graduate credits in A M D Courses for graduate students:

A M D 612. Advanced Topics.
Cr. arr. Repeatable. Prereq: Enrollment in doctoral program, permission of instructor; and approval of D.O.G.E