

APPAREL AND TEXTILE DESIGN ATD

Department of Art and Art History College of Arts and Letters

- 121 Explorations in Apparel and Textile Design**
Fall, Spring. 3(0-6) P: STA 110 and STA 111 and STA 113 and STA 114 SA: HED 121
Art and design fundamentals applied to apparel design. Visual communication of design ideas through apparel and textile rendering. Design process, fashion theory, fabrication and exploration of two- and three-dimensional designing
- 222 Apparel Structuring**
Fall, Spring. 3(0-6) P: ATD 121 or concurrently SA: HED 222
Methods of garment assembly, fabric handling, garment fit, and operation of assembly equipment.
- 231 Textile Materials**
Fall, Spring. 4(4-0) R: Not open to freshmen. SA: HED 231
Formation and properties of fibers, yarns, structure, finish, color and design of fabrics. Textile specification and selection for end-use performance.
- 323 Apparel Pattern Development**
Fall. 3(0-6) P: ATD 222 and (MTH 110 or MTH 112 or MTH 114 or MTH 116 or MTH 124 or MTH 132 or STT 200 or STT 201) SA: HED 323
Pattern styling from standard templates and drafting from body measurement. Introduction to design room equipment and terminology. Fabrication of original designs.
- 325 Design by Draping**
Spring. 3(0-6) P: ATD 121 and ATD 323 SA: HED 323
Execution of original designs by fabric manipulation on a form. Evaluation of fit, drape, and balance.
- 332 Textile Design**
Fall, Spring. 4(0-8) P: ATD 121 and ATD 231 SA: HED 232
Textile design technology for surface design, knit and woven fabric development. Design organization, elements and principles.
- 335 Design Development and Presentation**
Fall, Spring. 3(0-6) P: ATD 222 and ATD 332
Technology for design development, technical drawings, storyboard presentation, and electronic portfolio.
- 424 Specialized Apparel Design**
Spring. 3(1-4) P: ATD 231 and ATD 325 SA: HED 424
Critical use of the design process for specialized end-use. Synthesis of user and manufacturer perceptions and clothing and textile research. Problem-solving and conflict management in a professional team context. Development of a project report.
- 425 Designing for the Mass Market**
Spring. 3(0-6) A student may earn a maximum of 6 credits in all enrollments for this course. P: ATD 325 SA: HED 425
Mass market design principles. Development of apparel collections.

- 426 History of Dress and Textiles**
Fall, Spring. 3(3-0) R: Not open to freshmen or sophomores. SA: HED 426
History of dress and textiles as a reflection of the cultural milieu.
- 427 Knitwear Design**
Fall. 3(0-6) P: ATD 323 and (ATD 325 or concurrently)
Fundamentals of knitwear design. Patternmaking and assembly techniques for cut-and-sew and full-fashioned knitwear.
- 428 Design Studio**
Fall. 3(0-6) A student may earn a maximum of 6 credits in all enrollments for this course. P: ATD 325
Execution of original apparel designs in appropriate end-use fabric. Experimentation with fabric and materials.
- 430 Dress, Culture and Human Behavior**
Spring. 3(3-0) R: Not open to freshmen or sophomores. SA: HED 420, HED 430
Dress as an expression of self and reflection of society and global cultures. Effect of dress on human behavior at the personal, interpersonal, and social organizational levels.
- 431 Global Context for Sustainable Design**
Fall. 3(3-0) R: Not open to freshmen or sophomores. SA: HED 431
Global patterns of apparel and textile production, distribution, and consumption. Employment practices and international trade policy. Natural resource use and its impact on sustainable design. Design process for sustainable apparel design.
- 439 Portfolio Development and Professional Practice (W)**
Spring. 3(3-0) P: (ATD 332) and completion of Tier I writing requirement SA: HED 439
Professional communication practices and development of a professional portfolio. Professional roles and ethics. Development of a personal career philosophy. Capstone course.
- 490 Independent Study**
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Not open to freshmen or sophomores. Approval of department. SA: HED 490
Independent study of selected topics in apparel and textile design.
- 490H Honors Independent Study**
Fall, Spring, Summer. 1 to 10 credits. A student may earn a maximum of 10 credits in all enrollments for this course. R: Open to students in the Honors College. Approval of department. SA: HED 490H
Independent study of selected topics in apparel and textile design.
- 491A Special Topics in Apparel**
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Not open to freshmen or sophomores. Approval of department.
Special topics supplementing regular course offerings.

- 491T Special Topics in Textiles**
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Not open to freshmen or sophomores. Approval of department.
Special topics supplementing regular course offerings.
- 493 Internship in Apparel and Textiles**
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. RB: ATD 323 and ATD 332 R: Not open to freshmen or sophomores. Approval of department. SA: HED 493B
Pre-professional experience in a selected business, industry, or community organization.