

**HUMAN ENVIRONMENT AND DESIGN**

**HED**

**College of Arts and Letters**

- 121 Apparel I: Two-Dimensional Design**  
Fall. 3(1-4) P:M: CSE 101 or concurrently R: Open to undergraduate students in the Apparel and Textile Design major or approval of department.  
Design fundamentals and creative problem solving in apparel design. Visual communication of design ideas through apparel rendering, and computer graphics.
- 222 Apparel II: Introduction to Three-Dimensional Design**  
Spring. 3(0-6) P:M: HED 121 RB: Garment construction skills. R: Open to undergraduate students in the Apparel and Textile Design major or approval of department.  
Garment structuring. Pattern development using two-dimensional and three-dimensional styling techniques.
- 231 Textile Materials**  
Fall, Spring. 4(4-0) R: Not open to freshmen.  
Structures and properties of fibers, yarns, fabrics, and finishes. Applied design processes. Construction and performance specifications. Textile legislation.
- 232 Textile Design**  
Fall, Spring. 3(1-4) P:M: HED 121 and HED 231 R: Not open to freshmen.  
Textile surface design, knit and woven fabric development, and computer-aided textile design.
- 323 Apparel III: Advanced Three-Dimensional Design**  
Fall. 4(1-6) P:M: HED 222 and IDES 240  
Structural principles and computer-aided design applications for apparel designers.
- 424 Apparel IV: Functional Design**  
Spring. 3(3-0) P:M: (HED 231 and HED 323) and completion of Tier I writing requirement.  
Apparel design to meet specialized needs.
- 425 Apparel V: Design Studio**  
Spring. 3(0-6) A student may earn a maximum of 6 credits in all enrollments for this course. P:M: HED 232 and HED 323 RB: HED 424 or concurrently  
Execution of original apparel designs in appropriate end use fabric.
- 426 History of Dress and Textiles**  
Fall. 3(3-0) R: Not open to freshmen or sophomores.  
History of dress and textiles as a reflection of the cultural milieu.
- 430 Dress, Culture, and Human Behavior**  
Fall. 4(4-0) R: Not open to freshmen or sophomores. SA: HED 420  
Dress as an expression of self and reflection of society, and culture. Effect of dress on human behavior at the personal, interpersonal, and social organizational levels in Western and non-Western societies.

- 431 Ecology of the Global Textile and Apparel Complex**  
Fall. 3(3-0) R: Not open to freshmen or sophomores.  
Softgoods industry. U.S. and global patterns of production, distribution, and consumption of textiles and apparel. Employment practices and international trade policy. Natural resource use and ecological consequences.
- 439 The Developing Professional in Apparel and Textiles**  
Spring. 4(4-0) P:M: (HED 323) and completion of Tier I writing requirement. R: Open to seniors in the Apparel and Textile Design major.  
Roles, ethics, and reflective practice of a professional in apparel and textiles. Resource identification, information retrieval, professional communication, and conflict management. Problem-solving in a professional team context. Capstone course.
- 454 Design Communication Methods**  
Fall, Spring, Summer. 3(1-4) P:M: HED 240 and HED 250  
Technical methods and techniques for communicating design concepts.
- 456 Interior Design Preservation and Conservation**  
Fall. 3(2-2) R: Open only to seniors in the Interior Design major or to master's students in the Interior Design and Facilities Management major.  
The interior design component of the preservation movement. Historic restoration and adaptive reuse.
- 458 Housing from a Human Ecological Perspective**  
Spring. 3(3-0) R: Not open to freshmen or sophomores.  
Impact of housing on human beings and families. Psychological and cultural dimensions. Financial and policy factors.
- 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.  
Supervised individual study in an area of human environment and design.
- 490H Honors Independent Study**  
Fall, Spring. 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.  
Independent study of selected topics in human environment and design.
- 493B Internship in Apparel and Textile Design**  
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P:M: HED 323 R: Approval of department.  
Preprofessional experience in a selected business, industry, or community organization.
- 801 Research Literature in Human Environment and Design**  
Fall. 3(3-0) R: Open to graduate students.  
Investigation into literature in areas of study in human environment and design. Introduction to graduate research.

- 816 Environmental Design Theory**  
Fall. 3(3-0) Interdepartmental with Horticulture and Landscape Architecture and Park, Recreation and Tourism Resources. Administered by Landscape Architecture. RB: Undergraduate design degree recommended.  
Differences between normative theories, scientific theories, models, and constructs. Exploration of normative theories related to thesis or practicum.
- 817 Environmental Design Studio**  
Spring. 3(0-6) Interdepartmental with Horticulture and Landscape Architecture and Park, Recreation and Tourism Resources. Administered by Landscape Architecture. P:M: (LA 816 and LA 883) RB: Undergraduate design degree.  
Development of a student-selected environmental design project in a collaborative setting.
- 821 Dress and Environmental Settings as Nonverbal Communication**  
Spring of odd years. 3(3-0)  
Theory and research on dress and environmental settings as aspects of nonverbal communication. Visual cues, associated meanings, and responses. Methodological and ethical issues in applications.
- 826 Material Culture**  
Fall. 3(3-0)  
Artifacts of clothing, textiles, and interiors as evidence of material culture. Research, analysis, and interpretations of history, craftsmanship, and use of artifacts to determine function and meaning within a culture.
- 831 Analysis of Clothing Theory**  
Spring of even years. 3(3-0) RB: HED 801  
Theories in clothing from behavioral, ecological, cultural, developmental, and aesthetic perspectives.
- 842 Facilities Performance and Building Economics**  
Fall of odd years. 3(3-0) R: Open to graduate students.  
Qualitative and quantitative approaches to assessing performance of facilities. Management perspectives.
- 844 Facilities Project Management**  
Spring of even years. 3(3-0) RB: HED 841 R: Open to graduate students.  
Application of project management approaches to facilities design and management. Techniques, computer applications, project team building, and change management.
- 845 Facility Management: Theory and Principles**  
Fall. 3(3-0) RB: Experience in interior design, facilities management, building construction management, business, architecture, or engineering.  
Theory of facility management as it relates to long range and master planning, space forecasting, planning and management, design-build cycle, project management, managing the design team, standards, justifying budgets and project estimating, major procurement, and specifying, and ordering. It is offered using web-based technology.

**883 Environmental Design Seminar**

Fall. 3(3-0) Interdepartmental with Horticulture and Landscape Architecture and Park, Recreation and Tourism Resources. Administered by Landscape Architecture. RB: Undergraduate design degree.

Examination of the breadth of environmental design projects. Literature review of focused projects. Development of practicum or thesis proposals.

**890B Supervised Independent Study in Apparel and Textiles**

Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Open to graduate students. Approval of department.

Independent study in topics related to apparel design, historic costume and textiles, museum collections, or human behavior, and ecological relations.

**891B Topics in Apparel and Textiles**

Fall, Spring, Summer. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to seniors in the Apparel and Textile Design major.

Selected topics related to apparel design, historic costume and textiles, museum collections, or human behavior, and ecological relations.

**898 Master's Project**

Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open to graduate students in the College of Arts and Letters.

Master's degree Plan B project. Participation in a project in apparel and textiles, interior design and human environment, or merchandising management.

**899 Master's Thesis Research**

Fall, Spring, Summer. 1 to 7 credits. A student may earn a maximum of 20 credits in all enrollments for this course. R: Open to graduate students in the College of Arts and Letters.

Master's thesis research.

**999 Doctoral Dissertation Research**

Fall, Spring, Summer. 1 to 36 credits. A student may earn a maximum of 36 credits in all enrollments for this course.

Doctoral dissertation research.

**999 Doctoral Dissertation Research**

Fall, Spring, Summer. 1 to 36 credits. A student may earn a maximum of 36 credits in all enrollments for this course.

Doctoral dissertation research.