

497 Human Ecology Topics
 Fall, Spring, Summer. 1 to 4 credits. Fall: State-wide or WEB. Spring: State-wide or WEB. Summer: State-wide or WEB. A student may earn a maximum of 9 credits in all enrollments for this course. RB: Professional experience in the topic area.

Application of human ecological principles to current issues affecting children, youth, and families in their communities.

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 only 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. Field trips required.

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 only to Honors students. 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.

493C Internship in Interior Design
 Summer. 3(0-6) P:M: (HED 393) R: Open only to juniors or seniors in the Interior Design major and approval of department.
 Preprofessional experiences in selected interior design business or community projects.

801 Research Literature in Human Environment and Design
 Fall. 3(3-0) R: Open only 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 Landscape Architecture; Horticulture; Park, Recreation and Tourism Resources. Administered by Department of Geography. 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 Landscape Architecture; Horticulture; Park, Recreation and Tourism Resources. Administered by Department of Geography. 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.

840 Design Analysis and Programming
 Spring. 3(3-0) R: Open only to graduate students.
 Human performance criteria as design requirements in facilities planning and management.

HUMAN ENVIRONMENT AND DESIGN

HED

Department of Human Environment and Design College of Human Ecology

121 Apparel I: Two-Dimensional Design
 Fall. 3(1-4) P:M: (CSE 101 or concurrently) R: Open only to students in Apparel and Textile Design 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 only to sophomores or juniors or seniors in Apparel and Textile Design 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 HED 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.

Human Environment and Design—HED

- 841 Facilities Design and Management Systems**
Fall. 3(3-0) R: Open only to graduate students.
Facilities management. Organizational and socio-technical systems. Development and operation of facilities design and management as a practice and profession. Fields trips required.
- 842 Facilities Performance and Building Economics**
Fall of odd years. 3(3-0) R: Open only 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 only 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.
This course focuses on the 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.
- 847 Human Shelter Policy Developments**
Fall. 3(3-0) R: Open only to graduate students.
Development and impact of national shelter policy and program decisions within the context of national priorities, social conditions, and economic trends
- 861 Research in Merchandising Management**
Fall. 3(3-0) RB: Research methods course.
Merchandising management research methodology. Implications of research for future directions in merchandising management.
- 864 International Retailing Behavior**
Spring. 3(3-0) RB: (HED 861) or approval of department.
Global retail systems. Comparison of United States and foreign retail systems.
- 865 Japanese Retail Distribution Systems**
Summer. 3(3-0)
Distribution of consumer products in Japan. Changing retail formats leading to the emergence of discount retailers. Strategic alliances and vertical channel systems. Comparative US/Japanese structure.
- 873 International Consumer Behavior**
Spring. 3(3-0) RB: (HED 863) or approval of department.
Analysis and application of consumer behavior theory and models in international merchandising. Focus on behavioral and cross cultural research and theoretical issues in the global marketplace. Strategy development for adapting merchandising to global markets.
- 883 Environmental Design Seminar**
Fall. 3(3-0) Interdepartmental with Landscape Architecture; Horticulture; Park, Recreation and Tourism Resources. Administered by Department of Geography. RB: Undergraduate design degree.
Examination of the breadth of environmental design projects. Literature review of focused projects. Development of practicum or thesis proposals.
- 890A Supervised Independent Study in Merchandising Management**
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to graduate students. Approval of department.
Independent study in topics related to consumer behavior, human resource management, or international merchandising management.
- 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 only 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.
- 890C Supervised Independent Study in Interior Design and Human Environment**
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to graduate students. Approval of department.
Independent study in topics related to facilities design and management, human shelter, or interior design preservation and conservation.
- 891A Topics in Merchandising Management**
Fall, Spring, Summer. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.
Selected topics related to consumer behavior, human resource management, or international merchandising management.
- 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 only to seniors or graduate students in the Merchandising Management, Interior Design and Facilities Management, and Apparel and Textiles major.
Selected topics related to apparel design, historic costume and textiles, museum collections, or human behavior and ecological relations.
- 891C Topics in Interior Design and Human Environment**
Fall, Spring, Summer. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to seniors and graduate students in Merchandising Management, Interior Design and Human Environment, and Apparel and Textiles.
Selected topics related to facilities design and management, human shelter, or interior design preservation and conservation.
- 893A Internship in Merchandising Management**
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 3 credits in all enrollments for this course. R: Open only to graduate students. Approval of department.
Supervised internship in a professional setting in consumer behavior, human resource management, or international merchandising management.
- 893C Internship in Interior Design and Human Environment.**
Fall, Spring. 2 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to graduate students. Approval of department.
Supervised internship in a professional setting in facilities design and management, human shelter, or interior design preservation and conservation.
- 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 only to graduate students in the Department of Human Environment and Design.
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 only to graduate students in the Department of Human Environment and Design.
Master's thesis research.
- 900 Decision Processes in Design and Management**
Spring of odd years. 3(3-0) R: Approval of department.
Theory and practice of decision processes in the design and management of human environments. Philosophy and methods of participation in environmental change.
- 901 Research Problems in Human Environment and Design**
Fall. 3(3-0) RB: Research methods course. R: Open only to doctoral students in Human Environment: Design and Management.
Identification of researchable problems in apparel and textiles, interior design and facilities management, and merchandising management. Strategies and techniques for preparing grant proposals and documents for publication.
- 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.