HED–Human Environment and Design

HUMAN ENVIRONMENT AND DESIGN

Department of Human Environment and Design
College of Human Ecology

121 Apparel II: Two-Dimensional Design
Fall. 3(1-4) P.M: CSE 101 or concurrently
Design fundamentals and creative problem solving in apparel design. Visual communication of design ideas through apparel rendering and computer graphics.

140 Design for Living
Fall. Spring, Summer. 3(3-0)
Interior design from the human ecological perspective. The reciprocal impact of the designed environment on human behavior, design terminology, and the design process.

142 Design Theory Studio
Fall, Spring, Summer. 3(0-6) P.M: (HED 140 or concurrently) R: Open only to students in the Interior Design major.
Design elements and principles in creative problem solving.

150 Interior Design Drafting
Fall, Spring. 3(1-4) R: Open only to students in the Interior Design major.
Drafting and two-dimensional drawing for interior design.

152 Interior Environments
Fall. 4(4-0)
Interior design fundamentals and human behavior. Space planning, furnishing, and selection of materials and components for residential and commercial interiors.

222 Apparel II: Introduction to Three-Dimensional Design
Spring. 3(0-6) P.M: (HED 121) R: Not open to freshmen.
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.

232 Textile Design
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.

240 Computer-Aided Design for Designers
Fall, Spring. Summer. 3(1-4)
Introduction to computer-aided design applications.

250 CAD and Structural Systems
Fall, Spring. 3(1-4) P.M: (HED 240)
Application of computer-aided design and structural principles in generating design solutions.
252  Interior Design Synthesis I
Spring. 4(1-6) P:M: (HED 140 and HED 150 and HED 152 and HED 231) R: Open only to sophomores or juniors or seniors in the Interior Design major.
Design process with emphasis on problem resolution for residential and commercial interiors.

261  Introduction to Merchandising Management
Fall, Spring. 3(3-0) R: Approval of department.
Retailing of goods and services. Retail industry structure, location, pricing, promotion, and management.

323  Apparel III: Advanced Three-Dimensional Design
Fall. 4(1-6) P:M: (HED 222 and HED 240) R: Approval of department.
Structural principles and computer-aided design applications for apparel designers.

340  Interior Design Specifications and Workroom Practices
Fall. 3(2-2) P:M: (HED 252) and completion of Tier I writing requirement. R: Approval of department.
Specifications and workroom practices used for fabrication and installation of design solutions for interior spaces. Field trip required.

342  Interior Design: Human Dimensions
Fall. 3(2-2) P:M: (HED 252) R: Approval of department.
Human dimensions as determining factors in designing human environments. Standards and concepts of universal fit.

343  Interior Design Presentation and Media
Fall. 3(0-6) P:M: (HED 252) R: Open only to juniors or seniors in Interior Design and approval of department. SA: HED 242
Design communication through two- and three-dimensional drawings in media. Presentation procedures and techniques.

344  History of Interior Design: Ancient Through Rococo
Fall. 3(3-0) R: Not open to freshmen.
Historical development of furniture, textiles and other decorative arts in interior design and architecture.

350  Interior Design Lighting and Environmental Systems
Spring. 3(2-2) P:M: (HED 340 and HED 342 and HED 343) R: Approval of department.
Lighting and environmental systems including lighting, ventilation, acoustics, heating and cooling. Integration of lighting and environmental systems with interior space.

352  Interior Design Synthesis II
Spring. 4(1-6) P:M: (HED 340 and HED 342 and HED 343) R: Approval of department.
Concept development and problem solving in design of interior spaces to meet human and environmental needs. Cultural diversity and client interaction.

354  History of Interior Design: Neo-Classical Through Modern
Spring. 3(3-0) R: Not open to freshmen.
Historical development of furniture, textiles and the other decorative arts from the neoclassical through the modern period. Major social, cultural, and psychological influences.

362  Human Resources and Professional Practice in Merchandising Management
Spring. 3(3-0) P:M: (HED 261 or MSC 101) and completion of Tier I writing requirement. SA: HED 492
Strategies for managing employees and for coping with conflict, harassment, and discrimination. Team building, problem solving and evaluation of skills necessary to compete professionally.

363  Promotional Strategies in Merchandising
Spring. 3(3-0) P:M: (HED 261) P:NM: or any 3-credit general business course. R: Open only to juniors or seniors.
Development and implementation of promotional strategies. Consumption decision making.

371  Merchandise Planning and Buying
Fall. Spring. 4(4-0) P:M: (HED 261 or concurrently and MSC 327) and (ACC 201 or ACC 230) and (CSE 101 or CSE 131) and (MTH 106 or MTH 110 or MTH 114 or MTH 116 or MTH 124 or MTH 132 or MTH 201 or STT 200 or STT 201) and completion of Tier I writing requirement. P:NM: (MTH 152H)
Calculations and computer application in the planning and control of merchandising budgets.

373  Merchandising Management Entrepreneurship
Fall. 3(3-0) P:M: (HED 261) P:NM: or any 3-credit general business course. R: Open only to juniors or seniors.
Small retailing and service businesses and the economy. Problems and strategies for effective management. New venture creation.

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) R: Approval of department.
A student may earn a maximum of 6 credits in all enrollments for this course.
P:M: (HED 232 and HED 323) P:NM: (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. US. 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.

440  Contemporary Design Issues
Spring. 2(2-0) P:M: (HED 442) and completion of Tier I writing requirement.
Issues related to design professionals and their clients.

442  Interior Design Programming
Fall. 3(1-4) P:M: (HED 350 and HED 352) and completion of Tier I writing requirement. R: Approval of department.
Identifying, programming and preparing schematics of the senior interior design project. Studio sketch portfolio guidelines. Site visits required.

452  Interior Design Synthesis III
Spring. 4(1-6) P:M: (HED 442) and completion of Tier I writing requirement. R: Approval of department.
Advanced studio processes for solving complex interior design problems. Professional practice standards, ethics and client interaction.

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 an Human Ecological Perspective
Spring. 3(3-0) R: Not open to freshmen or sophomores.

460  Retailing Information Systems
Fall. 4(4-0) P:M: (CSE 101 or CSE 131) and (MTH 110 or MTH 116 or MTH 106 or MTH 114 or MTH 124 STT 200 or STT 201) and (HED 371 or concurrently)
Information needed to make effective retail decisions. Use of technology in collecting, analyzing, and interpreting retail systems data and in writing and presenting reports.

465  International Consumer Distribution Systems
Fall. 3(3-0) P:M: (HED 261) and (MSC 300 or MSC 327) and completion of Tier I writing requirement.
Influence of economic development on distribution and consumption. Retailing in the world market.
471 International Buying and Product Development
Spring, 3(3-0) P:M: (HED 371)

479 Human Resources in International Merchandising Management
Fall, 3(3-0) R: Not open to freshmen or sophomores.
Comparative analysis of human resources for international merchandising management functions.

481 Merchandising Strategy Analysis
Spring, 3(3-0) P:M: (HED 371) and (FI 201 or FI 320 or ABM 435) and completion of Tier I writing requirement. P:NM: (HED 363 and HED 373) or approval of department.
Strategic and financial planning for retailers.

490 Independent Study
Fall, Spring. 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.

493A Internship in Merchandising Management
Fall, Summer. 3 to 8 credits. P:M: (HED 362 and HED 371) R: Approval of department. Supervised professional experience in a selected company which cooperates in offering students structured management activities.

493B Internship in Apparel and Textile Design
Fall, Spring. 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
Fall, Summer. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. 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.

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) P:NM: (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.

841 Facilities Design and Management Systems
Fall, 3(3-0) R: Open only to graduate students. Facilities management. Organizational and sociotechnical 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.

843 Human Factors and Productivity
Fall of even years. 3(3-0) R: Open only to graduate students. Human factors and ergonomic issues in modern high technology workplaces. Impact of workplace on health, safety, comfort and productivity.

844 Facilities Project Management
Spring of even years. 3(3-0) P:NM: (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.

846 Socio-Cultural and Historical Influences in Human Shelter
Fall, 3(3-0) Theoretical and empirical perspectives in human shelter. Interaction of humans with their designed environment.

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.

850 Human Environment and Design Theory
Spring of odd years. 3(3-0) R: Open only to graduate students. Theoretical frameworks and models explaining human-environment relationships.

851 Preservation of Michigan and Midwestern Interiors
Spring of odd years. 3(3-0) R: Open only to graduate students in Interior Design and Human Environment majors.
Nineteenth-century interior architecture in Michigan and the midwest. Evaluating physical condition, technology of production, identification of sources and design solutions. Field trips required.

852 Archival Research and Documentation in Interior Preservation
Spring of even years. 3(3-0) R: Open only to graduate students with preservation emphasis in Interior Design and Human Environment.
Research techniques used in the preservation and restoration of historic structures.

861 Research in Merchandising Management
Fall, 3(3-0) P:NM: Research methods course. Merchandising management research methodology. Implications of research for future directions in merchandising management.

863 Merchandising Management: Consumer Behavior
Fall, 3(3-0) Consumer behavior theory, application of consumer behavior models to merchandising management.

864 International Retailing Behavior
Spring, 3(3-0) P:NM: (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) P:NM: (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.

890A Supervised Independent Study in Merchandising Management
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 4 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.
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890B Supervised Independent Study in Apparel and Textiles
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 4 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 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Open only to graduate students. Approval of department. Independent study in topics related to 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. 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 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 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 6 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.

893B Internship in Apparel and Textiles
Fall, Spring. 2 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Open only to graduate students. Approval of department. Supervised internship in a professional setting in apparel design, historic costume and textiles, museum collections, or human behavior and ecological relations.

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. Masters 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) P:NM: 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 24 credits. A student may earn a maximum of 30 credits in all enrollments for this course. Doctoral dissertation research.

HUMAN MEDICINE HM

College of Human Medicine

501 Preceptorship Training
Fall, Spring, Summer. 1 to 8 credits. A student may earn a maximum of 24 credits in all enrollments for this course. Interdepartmental with Family Practice. R: One year of graduate-professional program in College of Human Medicine. Field experience in primary care.

511 Infectious Disease and Immunology
Fall. 3 credits. R: Open only to graduate-professional students in College of Human Medicine. Not open to first year students. Basic sciences applied to clinically relevant situations. Problem-based small group experiences.

512 Disorders of Behavior and Development
Fall. 3 credits. R: Completion of all Block I required courses. R: Not open to first year students. Open only to graduate-professional students in the College of Human Medicine. Basic sciences applied to clinically relevant situations. Problem-based small group experiences.

513 Neurological and Musculoskeletal Domain
Fall. 4 credits. R: Open only to graduate-professional students in College of Human Medicine. Not open to first year students. Basic sciences applied to clinically relevant situations. Problem-based small group experiences.

514 Major Mental Disorders
Fall. 2 credits. R: Open only to graduate-professional students in College of Human Medicine. Not open to first year students. Basic sciences applied to clinically relevant situations. Problem-based small group experiences.

525 Pulmonary Domain
Fall. 4 credits. R: Open only to graduate-professional students in the College of Human Medicine. Not open to first year students. Basic sciences applied to clinically relevant situations. Problem-based small group experiences.

526 Urinary Tract Domain
Fall. 4 credits. R: Open only to graduate-professional students in the College of Human Medicine. Not open to first year students. Basic sciences applied to clinically relevant situations. Problem-based small group experiences.

527 Digestive Domain
Fall. 3 credits. P:NM: Block I. R: Open only to graduate-professional students in College of Human Medicine. Not open to first year students. Basic sciences applied to clinically relevant situations. Problem-based small group experiences.

528 Metabolic and Endocrine and Reproductive Domain
Fall. 3 credits. P:NM: Block I. R: Open only to graduate-professional students in College of Human Medicine. Not open to first year students. Basic sciences applied to clinically relevant situations. Problem-based small group experiences.

531 Clinical Skills I
Fall. 2(1-2) R: Graduate professional students in College of Human Medicine. Basic principles of doctor-patient relationship, core interviewing techniques. Exposure to clinical arena.

532 Clinical Skills II
Spring. 2(1-2) P:NM: (HM 531) R: Graduate-professional students in College of Human Medicine. Adult screening physical examination and its integration with data-gathering skills.

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