

491. Current Topics in Hospitality Industry
Spring. 3(3-0) P: (HB 307) R: Open only to seniors.
Emerging topics or issues confronting the hospitality service industry.
SA: HRI 491

807. Workforce Management in the Hospitality Industry
Fall. 3(3-0) R: Open only to graduate students in Business.
Identifying and solving hospitality workforce problems. Topics include leadership styles, interpersonal and organization communication.
SA: HRI 807

837. Hospitality Computer Information Systems
Spring. 3(3-0) R: Open only to graduate students in College of Business.
Overview of computer systems and networks designed for the hospitality industry.
SA: HRI 837

875. Marketing in the Hospitality Industry
Spring. 3(3-0) R: Not open to first-year graduate students. Open only to MBA students.
A framework for understanding hospitality marketing in a global business environment. Emphasis on industry responses to changing consumer trends, and applying marketing principles to case studies.
SA: HRI 875

882. Financial Management in the Hospitality Industry
Spring. 3(3-0) P: ACC 840, FI 889. R: Not open to first-year graduate students. Open only to MBA students.
Interpretation and analysis of financial statements. Budget preparation and analysis. Leasing, franchising, and management contracts.
SA: HRI 882

885. Seminar in Food and Beverage Systems Management
Fall. 3(3-0) R: Open only to graduate students in Business. Not open to students with credit in HB 485.
Management principles and practices in quality food and beverage operations. Emphasis on product, sales, income, and human resource strategies.
SA: HRI 885

890. Independent Study
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to graduate students in the College of Business. Approval of school.
Faculty-supervised independent study.
SA: HRI 890

HUMAN ECOLOGY HEC
College of Human Ecology

101. Applications in Human Ecology
Fall. 2(2-0) R: Open only to freshmen.
Historical and philosophical foundations of human ecology. Exploration of the university as a human ecological system and the ways in which students adapt to and shape their first-year experience.

290. 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: Open only to students in the College of Human Ecology.
Individual study of interdisciplinary topics related to the human ecology perspective under the guidance of a faculty member.

491. International Studies in Human Ecology (MTC)
Fall, Spring, Summer. 2 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. P: One ISS course or One IAH course. R: Not open to freshmen.
Study-travel experience emphasizing contemporary issues in human ecology in a global, national, and local context. Application of human ecological perspectives.

497. Human Ecology Topics
Fall, Spring, Summer. 1 to 4 credits. 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.

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: 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: (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, Summer. 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: (HED 121) R: Not open to freshmen.
Garment structuring: pattern development using two-dimensional and three-dimensional styling techniques.

231. Textile Materials
Fall. 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
Spring. 3(1-4) P: (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: (HED 240)
Application of computer-aided design and structural principles in generating design solutions.

252. Interior Design Synthesis I
Spring. 4(1-6) P: (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)
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: (HED 222 and HED 240)
Structural principles and computer-aided design applications for apparel designers.

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

**Descriptions—Human Environment and Design
of
Courses**

343. Interior Design Presentation and Media

Fall. 3(0-6) P: (HED 252) R: Open only to juniors or seniors in Interior Design and approval of department.

Design communication through two- and three-dimensional drawings in media. Presentation procedures and techniques.

SA: HED 242

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: (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: (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: (HED 261 or MSC 101) and completion of Tier I writing requirement.

Strategies for managing employees and for coping with conflict, harassment, and discrimination. Team building, problem solving and evaluation of skills necessary to compete professionally.

SA: HED 462

363. Promotional Strategies in Merchandising

Spring. 3(3-0) P: (HED 261) 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: (HED 261 and MSC 351 or concurrently) and (CSE 101 or CSE 131) and (MTH 110 or MTH 116 or MTH 120 or MTH 124 or MTH 201 or STT 200 or STT 201) and completion of Tier I writing requirement.

Calculations and computer application in the planning and control of merchandising budgets.

373. Merchandising Management Entrepreneurship

Fall. 3(3-0) P: (HED 261) 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: (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: (HED 232 and HED 323) (HED 424 or concurrently)

Execution of original apparel designs in appropriate end use fabric.

426. History of Dress and Textiles

Spring. 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.

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.

SA: HED 420

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: (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: (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: (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: (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. Interior Design Communication Methods

Fall of even years. 3(1-4) R: Open only to juniors or seniors in the Interior Design major or to master's students in the Interior Design and Facilities Management major or approval of department.

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.

Impact of housing on human beings and families. Psychological and cultural dimensions. Financial and policy factors.

460. Retailing Information Systems

Fall. 4(4-0) P: (CSE 101 or CSE 131) and (MTH 110 or MTH 116 or MTH 120 or MTH 124 or MTH 201 or 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 data and in writing and presenting reports.

465. International Consumer Distribution Systems

Fall. 3(3-0) P: (HED 261 and MSC 300) 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: (HED 371)

International merchandising. Global procurement. Sourcing strategies and international purchase negotiations.

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: (HED 371 and FI 311) and completion of Tier I writing requirement. (HED 363 and HED 373) or approval of department.

Strategic and financial planning for retailers.

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.

493A. Internship in Merchandising Management

Fall, Summer. 3 to 8 credits. P: (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, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P: (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: 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: 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: Research methods course.
Merchandising management research methodology. Implications of research for future directions in merchandising management.

862. Merchandising Management: Human Resources

Spring. 3(3-0) P: HED 861.
Theory, research, and applications in human resource management in merchandising.

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: 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: 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.

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.

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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 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.

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.

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.

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: 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.

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. P: 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.

515. Cardiovascular 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.

525. Pulmonary Domain

Fall. 3 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

Spring. 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

Spring. 3 credits. P: 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

Spring. 3 credits. P: 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.

529. Dermatologic and Allergy Domain

Spring. 1 credit. P: Block I. R: Not open to first year students. Open only to graduate-professional students in College of Human Medicine.

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: HM 531. R: Graduate-professional students in College of Human Medicine.

Adult screening physical examination and its integration with data-gathering skills.

533. Clinical Skills III

Summer. 1(1-2) P: HM 532. R: Graduate-professional students in College of Human Medicine.

Age specific screening examinations and integration with data-gathering skills.

534. Clinical Skills IV

Fall. 2(1-2) P: HM 533. R: Open only to graduate-professional students in College of Human Medicine.

Advanced interviewing and physical examination skills. Communication of patient-related data with the patient and other health professionals, orally and in writing. Problem solving.