475 Applied Hospitality Marketing in Food Service  
Spring. 3(3-0) P.M: (HB 267 and HB 375) R: Open only to seniors in the Hospitality Business major. Not open to students with credit in HB 476. Application of marketing principles in the food service industry. Identifying, influencing and satisfying demand for food products and services.

476 Applied Hospitality Marketing in Lodging  
Fall. 3(3-0) P.M: (HB 237 and HB 375) R: Open only to seniors in the Hospitality Business major. Not open to students with credit in HB 475. Application of marketing principles in the lodging industry. Identifying, influencing and satisfying demand for lodging products and services.

482 Financial Management in the Hospitality Industry  
Spring. 3(3-0) R: Not open to first-year graduate students. Open only to MBA students. SA: HRI 875 Interpretation and analysis of financial statements. Budget preparation and analysis. Leasing, franchising, and management contracts.

485 Hospitality Foodservice Operations  
Fall, Spring. 3(1-4) P.M: (HB 345) R: Open only to seniors in The School of Hospitality Business. SA: HRI 485 Beverage management and dining room service. Guest relations and current management topics. Emphasis on foodservice team projects.

489 Hospitality Business Strategy (W)  
Fall. Spring. 3(3-0) P.M: (HB 307 and HB 311 and HB 375) RB: Completion of Level I and Level II internship. R: Open only to seniors in The School of Hospitality Business. Management problems and issues in the hospitality industry. Focus on decision-making models. Case study analysis, discussion and report writing.

490 Independent Study  
Fall, Spring. Summer. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to juniors or seniors in The School of Hospitality Business. Approval of School. SA: HRI 490 Supervised research in hospitality management and operations.

491 Current Topics in Hospitality Business  
Fall, Spring. 3(3-0) R: Open only to seniors in The School of Hospitality Business. SA: HRI 491 Emerging topics or issues confronting the hospitality service industry.

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

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

875 Marketing in the Hospitality Industry  
Spring. 3(3-0) R: Not open to first-year graduate students. Open only to MBA students. SA: HRI 875 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.

885 Seminar in Food and Beverage Systems Management  
Fall. 3(3-0) R: Open only to graduate students in Business. SA: HRI 885 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.

889 Hospitality Industry Field Study  
Fall, Spring. Summer. 3 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. Interdepartmental with Master of Business Administration. RB: 12 credits graduate course work R: Open only to graduate students in the College of Business. Research on a current issue, problem or opportunity into a segment of the hospitality industry. Industry relationships and networking. Faculty supervision in a field setting.

909 Independent Study  
Fall, Spring, Summer. 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 in the College of Business. Approval of school. SA: HRI 890 Faculty-supervised independent study.

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.

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.M: CSE 101 or concurrently) R: Open only to students in the Interior Design major. Design elements and principles in creative problem solving.

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. Drafting and two-dimensional drawing for interior design.

150 Interior Design Drafting  
Fall, Spring, Summer. 3(1-4) R: Open only to students in the Interior Design major. 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  

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 142 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:M: (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: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. R: HED 462 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) RB: 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. RB: (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) RB: 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.

393 Introduction to Professional Practice
Fall. 1(1-0) Introduction to the design profession and its opportunities, focusing on career planning and preparation.

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 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 professions 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 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.

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.
Human Environment and Design—HED

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)

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. RB: (HED 363 and HED 373) or approval of department.

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.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. 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 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) RB: (HED 801)
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 department.
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.

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.

851 Preservation of Michigan and Midwestern Interiors
Spring of odd years. 3(3-0) R: Open only to graduate students.
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 majors.
Research techniques used in the preservation and restoration of historic structures.

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 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.

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.

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 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. RB: Completion of all Block I required courses. R: Open only to first year students. Not open 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 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 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. RB: 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. RB: 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) RB: (HM 531) R: Graduate-professional students in College of Human Medicine. Adult screening physical examination and its integration with data-gathering skills.