

**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)  
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, 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: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.  
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: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.

**482 Hospitality Managerial Finance**  
Fall, Spring, Summer. 3(3-0) P:M: (FI 311)  
R: Open only to seniors. SA: HRI 482

Cash flow determination and management. Strategies for financing hospitality ventures and expansion. Determining financial viability of proposed and existing operations.

**485 Advanced Foodservice Management**  
Fall, Spring, Summer. 3(1-4) P:M: (HB 302 and HB 307 and 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 Policy Issues in Hospitality Management (W)**  
Fall, Spring. 3(3-0) P:M: (HB 307) RB: Completion of Level I and Level II internship. R: Open only to seniors in The School of Hospitality Business. SA: HRI 489 Not open to students with credit in MGT 409.

Management problems and issues in the hospitality industry. Focus on decision-making models. Case study analysis, discussion and written reports.

**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 College of Business. Approval of department. SA: HRI 490

Supervised research in hospitality management and operations.

**491 Current Topics in Hospitality Industry**  
Spring. 3(3-0) P:M: (HB 307) 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.

**882 Financial Management in the Hospitality Industry**  
Spring. 3(3-0) P:NM: (ACC 840 and FI 889) R: Not open to first-year graduate students. Open only to MBA students. SA: HRI 882

Interpretation and analysis of financial statements. Budget preparation and analysis. Leasing, franchising, and management contracts.

**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. P:NM: 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.

**890 Independent Study**  
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 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.

**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:NM: 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

- 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)  
Retailing of goods and services. Retail industry structure, location, pricing, promotion, and management.
- 263 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.
- 264 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.
- 265 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.
- 266 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.
- 267 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.
- 268 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.
- 269 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.
- 270 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 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) 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.
- 364 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.
- 365 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.
- 366 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.
- 367 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) P:NM: (HED 424 or concurrently)  
Execution of original apparel designs in appropriate end use fabric.
- 368 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.
- 369 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.
- 370 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.
- 441 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.
- 442 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.
- 443 Design Communication Methods**  
Fall, Spring, Summer. 3(1-4) P:M: (HED 240 and HED 250)  
Technical methods and techniques for communicating design concepts.
- 444 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.
- 445 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.
- 446 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.
- 447 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)  
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:M: (HED 371) and (FI 201 or FI 320 or ABM 435) and completion of Tier 1 writing requirement. P:NM: (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: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**  
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 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.
- 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.

## Human Environment and Design–HED

**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 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. 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) 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. P:NM: 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: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**  
Spring. 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.