

## Descriptions—Human Environment and Design of Courses

### 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.

**535. Clinical Skills V**  
*Spring, Summer. 2(1-2) P: HM 534. R: Open only to graduate-professional students in College of Human Medicine.*

Advanced interviewing and physical examination skills. Oral case presentations and written medical records. Introductory problem solving skills.

**536. Comprehensive Domain**  
*Spring. 2 credits. 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.

**539. Hematopoietic/Neoplasia**  
*Spring. 3 credits. P: Block I. R: Open only to graduate-professional students in College of Human Medicine.*

Learn/apply advanced concepts of the basic sciences to clinically relevant situations. Done in integrated, problem-based small group experiences and other experiences.

**543. Human Development and Behavior in Society**  
*Summer. 5(4-2) R: Graduate-professional students in College of Human Medicine.*

Social science basis of medicine including social and cultural influences on health and behavior. Overview of normal growth and development throughout the life span.

**546. The Social Context of Clinical Decisions**  
*Fall. 2(2-0) P: Completion of Block I requirements. R: Open only to graduate-professional students in College of Human Medicine.*  
Social perspectives on medicine and medical care.

**547. The Social Context of Clinical Decisions II**  
*Spring. 2(2-0) P: HM 546. R: Open only to graduate-professional students in College of Human Medicine.*

Issues and concepts related to social and professional responsibilities of physicians.

**548. Medical Humanities Seminar**  
*Spring. 2(2-0) P: HM 547. R: Open only to graduate-professional students in College of Human Medicine.*

Issues related to the humanities and human values pertinent to medical practice.

**571. Integrative Clinical Correlations I**  
*Fall. 2(2-0) P: ANT 551, BCH 521, PSL 501 or all concurrently. R: Graduate-professional students in College of Human Medicine.*

Correlation of the principles of the basic biological and behavioral sciences with the disciplines of clinical medicine using case presentations.

**572. Integrative Clinical Correlations II**  
*Spring. 2(2-0) P: HM 571, ANT 552, ANT 562, MIC 552, PTH 542 or all concurrently. R: Graduate-professional students in College of Human Medicine.*

Correlation of the principles of the basic biological and behavioral sciences within the disciplines of clinical medicine using case presentations.

**573. Integrative Clinical Correlations III**  
*Summer. 1(2-0) P: HM 543, HM 572, PHD 523, PHM 563, RAD 553 or all concurrently. R: Graduate-professional students in College of Human Medicine.*

Correlation of the principles of the basic biological and behavioral sciences with the disciplines of clinical medicine using case presentations.

**581. Mentor Program**  
*Fall, Spring, Summer. 1(0-2) A student may earn a maximum of 3 credits in all enrollments for this course. R: Graduate-professional students in College of Human Medicine.*

Dimensions of being a physician: skills needed to perform the job with patients and other medical workers. Current trends in the fields.

**582. Mentor Program Year II**  
*Fall, Spring. 1(0-2) A student may earn a maximum of 2 credits in all enrollments for this course. P: Completion of 3 credits of HM 581. R: Open only to graduate-professional students in College of Human Medicine.*

Continuing exploration of the dimensions of being a physician, professional skills needed to interact with patients and medical workers, and current trends in field.

**591. Special Problems in Human Medicine**  
*Fall, Spring, Summer. 1 to 34 credits. A student may earn a maximum of 36 credits in all enrollments for this course. R: Graduate-professional students in College of Human Medicine.*

Work under the direction of a faculty member on an experimental, theoretical, or applied problem that requires a broad, interdisciplinary approach.

**605. Comprehensive Care Clerkship**  
*Fall, Spring, Summer. 4 to 20 credits. A student may earn a maximum of 20 credits in all enrollments for this course. Interdepartmental with Family Practice. P: FMP 602. R: Open only to graduate-professional students in College of Human Medicine.*

Comprehensive and longitudinal management of patients in ambulatory care settings.

**608. Sub-Specialty Clerkships**  
*Fall, Spring, Summer. 4 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course. P: FMP 602. R: Open only to graduate-professional students in College of Human Medicine.*

Hospital-and office-based clinical experiences in sub-specialties in medicine and surgery.

**630. Emergency Medicine Clerkship**  
*Fall, Spring, Summer. 2 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course. P: MED 608. R: Open only to graduate-professional students in the College of Human Medicine.*

Clinical diagnosis and treatment of emergencies seen in community emergency departments.

**635. Core Competencies I**  
*Fall. 2 credits. A student may earn a maximum of 6 credits in all enrollments for this course. Interdepartmental with Family Practice; Medicine; Pediatrics and Human Development. P: FMP 602. R: Open only to graduate-professional students in College of Human Medicine.*

A weekly seminar addressing core knowledge and skills from an interdisciplinary perspective.

**636. Core Competencies II**  
*Spring. 2 credits. A student may earn a maximum of 6 credits in all enrollments for this course. Interdepartmental with Family Practice; Medicine. P: FMP 602. R: Open only to graduate-professional students in College of Human Medicine.*

A weekly seminar addressing core knowledge and skills from an interdisciplinary perspective.

**637. Core Competencies III**  
*Spring, Summer. 2 credits. A student may earn a maximum of 6 credits in all enrollments for this course. Interdepartmental with Family Practice; Medicine; Obstetrics, Gynecology and Reproductive Biology; Pediatrics and Human Development; and Surgery. P: FMP 602. R: Open only to graduate-professional students in College of Human Medicine.*

A weekly seminar addressing core knowledge and skills from an interdisciplinary perspective.

**691. Research Clerkship**  
*Fall, Spring, Summer. 2 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course. P: HM 690 or approval of community research director. R: Open only to graduate-professional students in the College of Human Medicine.*

Biological, behavioral, or clinical research project.

**829. Design and Conduct of Epidemiological Studies and Clinical Trials**  
*Spring. 3(2-2) Interdepartmental with Large Animal Clinical Sciences. Administered by Large Animal Clinical Sciences. P: VM 533 or approval of department. R: Open only to graduate students in the colleges of Human Medicine, Osteopathic Medicine, or Veterinary Medicine.*

Applied analytical methods in experimental design. Assessment of health and disease status of animal and human populations. Risk assessment and interpretation of clinical trials.

## **HUMAN NUTRITION AND FOODS HNF**

**Department of Food Science  
and Human Nutrition  
College of Agriculture and  
Natural Resources  
College of Human Ecology**

**150. Introduction to Nutrition and Food Science**  
*Fall, Spring, Summer. 3(3-0) Interdepartmental with Food Science.*

Nutrition needs in life stages from a human ecological perspective. Domestic and international factors affecting the availability of a safe, nutritious food supply. Relationships of food choices to health and disease.

**300. Experimental Approaches to Foods**  
*Fall, Spring. 4(2-4) P: Completion of Tier I writing requirement. (CEM 143) R: Open to only to juniors or seniors in the Department of Food Science and Human Nutrition.*

Effects of preparation methods and ingredient substitutions on chemical and physical properties of food constituents. Effects of changes in chemical and physical properties on functional and sensory attributes of foods.