

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: 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. 4 credits. R: Open only to graduate-professional students in the College of Human Medicine. Not open to first year students.
Basic sciences applied to clinically relevant situations. Problem-based small group experiences.
- 526 Urinary Tract Domain**
Fall. 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.
- 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.
- 533 Clinical Skills III**
Summer. 1(1-2) RB: (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) RB: (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) RB: (HM 535) 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.
- 537 Topics in Reproductive Health**
Fall. 1(1-0) R: Open only to graduate-professional students in the College of Human Medicine, the College of Osteopathic Medicine, and to graduate students in the College of Nursing.
Pre-clinical focus on topics of reproductive health.
- 539 Hematopoietic/Neoplasia**
Spring. 3 credits. RB: 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.
- 540 Emergency Medicine for Preclinical Medical Students**
Fall, Spring, Summer. 1(2-15) A student may earn a maximum of 2 credits in all enrollments for this course. RB: (ANTR 551) and (HM 531 and OST 501)
A precepting experience in the principles of emergency care in the hospital.
- 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. 1(1-0) RB: 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) RB: (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) RB: (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.
- 560 Neuropathology Problem Solving Exercises**
Fall, Spring, Summer. 2(0-4) Interdepartmental with Osteopathic Medicine. R: Open only to graduate-professional students in College of Human Medicine or Osteopathic Medicine. SA: PTH 525
Independent study of neuropathology problem solving exercises.
- 561 Basic Principles of Pathology**
Spring. 2 credits. Interdepartmental with Osteopathic Medicine. R: Graduate-professional students in colleges of Human and Osteopathic Medicine. SA: PTH 542
Fundamental pathologic processes. Clinical applications.
- 571 Integrative Clinical Correlations I**
Fall. 2(2-0) RB: (ANT 551 or concurrently and BMB 521 or concurrently and PSL 501 or concurrently) R: Graduate-professional students in College of Human Medicine.
Correlation of the principles of the basic biological and behavioral sciences with disciplines of clinical medicine using case presentations.
- 572 Integrative Clinical Correlations II**
Spring. 1(1-0) RB: (HM 571 or concurrently and ANTR 552 or concurrently and ANTR 562 or concurrently and PTH 542 or concurrently) R: Open only to graduate-professional students in the 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) RB: (HM 543 or concurrently and HM 572 or concurrently and PHD 523 or concurrently and PHM 563 or concurrently and RAD 553 or 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. 1(0-2) R: Graduate-professional students in College of Human Medicine.
Dimensions of being a physician. Performance skills needed for patient care and interaction with medical workers. Current trends.

Human Medicine—HM

582 Mentor Program Year II
Fall, Spring, Summer. 1(0-2) A student may earn a maximum of 2 credits in all enrollments for this course. P:NM: 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. Current trends.

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. RB: (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. Fall: Lansing, GR, Kalamazoo, Flint, Saginaw. Spring: (Same as above). Summer: (Same as above). A student may earn a maximum of 12 credits in all enrollments for this course. RB: (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.

609 Laboratory Medicine Clerkship
Fall, Spring, Summer. 1 to 8 credits. Fall: Flint G.Rapids Kalamazoo Lansing Saginaw UP. Spring: Flint G.Rapids Kalamazoo Lansing Saginaw UP. Summer: Flint G.Rapids Kalamazoo Lansing Saginaw UP. A student may earn a maximum of 16 credits in all enrollments for this course. Interdepartmental with Osteopathic Medicine. R: Open only to graduate-professional students in College of Human Medicine or Osteopathic Medicine. SA: PTH 609

Laboratory procedures. Correlation of laboratory data with morphologic abnormalities in patients with pathophysiology.

610 Pathology Clerkship
Fall, Spring, Summer. 1 to 8 credits. A student may earn a maximum of 12 credits in all enrollments for this course. Interdepartmental with Osteopathic Medicine. R: Open only to graduate-professional students in College of Human Medicine or Osteopathic Medicine. SA: PTH 608

Anatomic and clinical pathology with emphasis on clinical-pathological correlation. Conducted in pathology departments of affiliated hospitals.

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. RB: (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, Spring, Summer. 2(2-0) Fall: Flint-GR-Saginaw-Lansing-Kalamazoo-UP. Spring: same as above. Summer: same as above. A student may earn a maximum of 6 credits in all enrollments for this course. Interdepartmental with Family Practice; Medicine; Pediatrics and Human Development. R: Open only to graduate-professional students in College of Human Medicine.

Core knowledge and skills from an interdisciplinary perspective.

636 Core Competencies II
Fall, Spring, Summer. 2(2-0) Fall: same as below. Spring: Flint-Saginaw-GR-Lansing-Kalamazoo-UP. Summer: same as above. A student may earn a maximum of 6 credits in all enrollments for this course. Interdepartmental with Family Practice; Medicine. R: Open only to graduate-professional students in College of Human Medicine.

Core knowledge and skills from an interdisciplinary perspective.

637 Core Competencies III
Fall, Spring, Summer. 2(2-0) Fall: same as below. Spring: Flint-Saginaw-GR-Lansing-Kalamazoo-UP. Summer: Flint-Saginaw-GR-Lansing-Kalamazoo-UP. 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; Surgery. R: Open only to graduate-professional students in College of Human Medicine.

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. RB: (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.

820 Humanistic and Social Perspectives on Health
Fall. 3(3-0) R: Open only to students in the M.A. program in Bioethics, Humanities, and Society SA: AL 820

Multidisciplinary perspectives on health care and medicine. Linkages among the humanities, social sciences and the sciences.

898 Master's Research
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 students in the M.A. program in Bioethics, Humanities, and Society.

Directed research in support of master's program requirements.

899 Master's Thesis Research
Fall, Spring, Summer. 1 to 9 credits. A student may earn a maximum of 12 credits in all enrollments for this course.

Master's thesis research.

HUMAN NUTRITION AND FOODS HNF

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

150 Introduction to Human Nutrition
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.

180 Preview of Nutritional Sciences
Spring. 1(1-1) R: Open only to freshmen or sophomores.

Overview of nutritional sciences as a pre-professional major. Introduces students to faculty nutrition research projects, enables students to participate in a directed research experience, and exposes students to various career opportunities.

300 Experimental Approaches to Foods
Fall, Spring. 4(2-4) P:M: Completion of Tier I writing requirement. RB: (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.

311 Principles of Human Nutrition
Spring. 3(3-0) P:M: (BMB 200 or BMB401 or BMB 461 or PSL 250 or PSL 431)

Identification, function and food sources of nutrients required by humans. Normal metabolism. Effects of deficiencies or excesses of specific nutrients on metabolism.

320 Basic Skills in Dietetic Practice
Spring, Summer. 3(2-2) P:M: (HNF 150 or HNF 311) R: Open to sophomores or juniors or seniors in the Dietetics, Nutritional Sciences or Food Science majors. SA: HNF 220

Nutrient composition of foods to meet nutritional needs for meal planning. Sources of reliable food and nutrition information. Evaluation and communication of scientific and consumer information. Concepts in nutritional epidemiology.

375 Community Nutrition
Fall. 3(3-0) P:M: (HNF 150 or HNF 311)

Human ecological approach to dietary and anthropometric assessment, intervention and evaluation of population groups. Policies, programs and resources available to address community nutritional needs.

400 Art and Science of Food Preparation
Spring. 2(1-3) RB: (HNF 300 or concurrently) R: Open only to seniors in the Dietetics or Nutritional Sciences major or to graduate students in the Human Nutrition major.

Art and science of food preparation in relation to cost, health, and historical, regional, ethnic, and religious customs. Product evaluation using sensory techniques. Lecture offered full semester; laboratory offered half of semester.