### Clinical Emergency Medicine Research I

**Fall, Spring, 4(2-4)** RB: Pre-professional health science. R: Open to seniors. Approval of department.

Participation in multiple research projects at an off-campus hospital. Experience in data collection and analysis. Emphasis on writing reports covering topics in emergency medicine.

### Special Problems in Internal Medicine

**Fall, Spring, Summer. 1 to 24 credits.** A student may earn a maximum of 26 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine. Approval of department. Students work under faculty direction on an experimental, theoretical, or applied problem.

### Primary Care Ambulatory Clerkship

**Fall, Spring, Summer. 1 to 36 credits.** A student may earn a maximum of 36 credits in all enrollments for this course. Interdepartmental with Family and Community Medicine and Osteopathic Surgical Specialties and Osteopathic Medicine and Pediatrics and Psychiatry. Admitted by Osteopathic Medicine. A 24-week ambulatory care continuity experience involving 12 weeks in a multidisciplinary environment (family medicine, pediatrics, and internal medicine), 4 weeks in family medicine and 8 weeks in specialty areas (internal medicine, surgery, pediatrics, and obstetrics and gynecology). Didactic sessions are scheduled concurrently.

### Core Clinical Concepts

**Fall, Spring, Summer. 1 to 9 credits.** A student may earn a maximum of 9 credits in all enrollments for this course. Interdepartmental with Family and Community Medicine and Neurology and Ophthalmology and Osteopathic Surgical Specialties and Osteopathic Medicine and Pediatrics and Psychiatry. Admitted by Osteopathic Medicine. R: Open to graduate-professional students in the College of Osteopathic Medicine. A 36 week didactic continuity experience.

### Clinical Tropical Medicine

**Fall, Spring. 2(2-0)** SA: CMS 618

Selected topics such as African AIDS, malaria, onchocerciasis, tuberculosis, and schistosomiasis. Pathophysiology, treatments, epidemiology, current research, and controversies.

### Readiness for Residency: A Simulation Based Competency Skills Assessment

**Spring. 3(2-2)** RB: Years 1-4 of curriculum for MSUCOM R: Open to graduate-professional students in the College of Osteopathic Medicine. A simulation and classroom based rotation to assess procedural and communication skills.

### Core Internal Medicine In-Patient Clerkship

**Fall, Spring, Summer. 1 to 20 credits.** A student may earn a maximum of 30 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine. Clinical exposure in osteopathic internal medicine in the hospital setting. Proficiency in motor skills and aptitudes; comprehension of concepts and principles; patient evaluation; diagnosis; management; therapy.

### Cardiology Clerkship

**Fall, Spring, Summer. 1 to 20 credits.** A student may earn a maximum of 30 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine. Clinical exposure in osteopathic internal medicine in the hospital setting. Proficiency in motor skills and aptitudes; comprehension of concepts and principles; patient evaluation; diagnosis; management; therapy.

### Gastroenterology Clerkship

**Fall, Spring, Summer. 1 to 20 credits.** A student may earn a maximum of 30 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine. Inpatient and outpatient clinical gastroenterology. GI diseases. Patient evaluation and management. Behavioral science and patient care.

### Oncology and Hematology Clerkship

**Fall, Spring, Summer. 1 to 20 credits.** A student may earn a maximum of 30 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine. Diagnosis, staging, and treatment methods of solid tumors and other neoplasms. Pharmacology of cytotoxic agents. Issues in nutrition. Behavioral approaches to the terminally ill patient.

### Pulmonary Disease Clerkship

**Fall, Spring, Summer. 1 to 20 credits.** A student may earn a maximum of 30 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine. Evaluation and treatment of patients with common pulmonary diseases including acute and chronic respiratory failure, primary and metastatic lung tumors, various bacterial and non-bacterial pneumonias.

### Core Internal Medicine Sub-Internship

**Fall, Spring, Summer. 1 to 20 credits.** A student may earn a maximum of 30 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine. Clinical exposure in osteopathic internal medicine. Proficiency in advanced motor skills and aptitudes; comprehension of concepts and principles; patient evaluation; diagnosis; management; therapy.

### Internal Medical Specialty Clerkship

**Fall, Spring, Summer. 1 to 20 credits.** A student may earn a maximum of 30 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine. Clinical exposure in osteopathic internal medicine subspecialty rotations. Proficiency in motor skills and aptitudes; comprehension of concepts and principles; patient evaluation; diagnosis; management; therapy.

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**IM—Internal Medicine**
662 Urgent Care Clerkship
Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course. 
R: Open to graduate-professional students in the College of Osteopathic Medicine.
Acute evaluation and management of patients in the outpatient urgent care setting.

663 Emergency Medicine/Wilderness/Austere Medicine Clerkship
Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course. 
R: Open to graduate-professional students in the College of Osteopathic Medicine.
Acute evaluation and management of patients in the austere environment – wilderness or other location, including disaster medicine, and emergency medicine system.

664 Pediatric Emergency Medicine Clerkship
Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course. 
R: Open to graduate-professional students in the College of Osteopathic Medicine.
Acute evaluation and management of patients in the hospital based pediatric emergency department.

665 Emergency Medicine Advanced Clerkship
Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course. 
R: Open to graduate-professional students in the College of Osteopathic Medicine.
Advanced acute evaluation and management of patients in the hospital emergency department and other locations.

666 Emergency Medicine Toxicology
Fall, Spring, Summer. 3 to 18 credits. A student may earn a maximum of 18 credits in all enrollments for this course. 
R: Open to graduate-professional students in the College of Osteopathic Medicine.
Evaluation and management of patients who suffer from an exposure to any form of toxins, the typical clinical presentation, evaluation and management including antidotes.

667 Emergency Medicine Hyperbaric Medicine and Wound Management
Fall, Spring, Summer. 3 to 18 credits. A student may earn a maximum of 18 credits in all enrollments for this course. 
R: Open to graduate-professional students in the College of Osteopathic Medicine.
Management of wounds from all causes, including the use of a hyperbaric chamber as a treatment strategy.

668 Emergency Medicine EMS and Disaster Management
Fall, Spring, Summer. 3 to 18 credits. A student may earn a maximum of 18 credits in all enrollments for this course. 
R: Open to graduate-professional students in the College of Osteopathic Medicine.
Emergency Medical Services and Disaster Management designed to expose the student to multiple facets of emergency care in the community and outside the emergency department, including community disaster preparedness.

669 Emergency Medicine Ultrasound
Fall, Spring, Summer. 3 to 18 credits. A student may earn a maximum of 18 credits in all enrollments for this course. 
R: Open to graduate-professional students in the College of Osteopathic Medicine.
Bedside ultrasound, integrating curriculum related to the physics and orientation of ultrasound images to obtaining images at the bedside to begin a portfolio.

690 Internal Medicine Clerkship Essentials
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. 
R: Open to students in the College of Osteopathic Medicine.
Case-based review of essential topics in internal medicine.