

**INTERNAL MEDICINE IM**

**Department of Osteopathic  
Medical Specialties  
College of Osteopathic Medicine**

**400 Emergency Medicine Research I**  
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. P: Completion of Tier I Writing Requirement RB: Pre-professional health science. R: Approval of department.

Participation with an emergency medicine resident and faculty member on an emergency medicine research project. Experience in data collection, data entry, statistical analysis, and manuscript preparation.

**401 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.

**590 Special Problems in Internal Medicine**  
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 48 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.

**602 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. Administered 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.

**618 Clinical Tropical Medicine**  
Fall. 2(2-0) SA: CMS 618  
Selected topics such as African AIDS, malaria, onchocerciasis, tuberculosis, and schistosomiasis. Pathophysiology, treatments, epidemiology, current research, and controversies.

**621 Clinical Tropical Medicine Clerkship**  
Spring. 1 to 20 credits. A student may earn a maximum of 20 credits in all enrollments for this course. RB: IM 618 R: Open only to graduate-professional students in the colleges of Osteopathic and Human Medicine. SA: CMS 621

Supervised clinical experiences in a large African teaching hospital and its outpatient clinics; students must spend at least six weeks on site. Small group discussions led by MSU faculty.

**650 Medicine Clerkship**  
Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 63 credits in all enrollments for this course. RB: Successful completion of College of Osteopathic Medicine, Doctor of Osteopathic Medicine pre-clerkship curriculum. R: Open to graduate-professional students in the College of Osteopathic Medicine.

Clinical exposure in osteopathic medicine. Program developed to achieve proficiency in motor skills and aptitudes; comprehension of concepts and principles; patient evaluation; diagnosis; management; therapy.

**651 Cardiology Clerkship**  
Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course. RB: Successful completion of College of Osteopathic Medicine, Doctor of Osteopathic Medicine pre-clerkship curriculum. R: Open to graduate-professional students in the College of Osteopathic Medicine.

Intensive experience in bedside diagnosis and care of patients with the more frequently seen cardiac problems.

**652 Gastroenterology Clerkship**  
Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course. RB: Completion of Units I and II. R: Open only 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.

**653 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. RB: Completion of Units I and II. R: Open only 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.

**654 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. RB: Completion of Units I and II. R: Open only 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.

**655 Nephrology Clerkship**  
Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course. RB: Completion of Units I and II. R: Open only to graduate-professional students in the College of Osteopathic Medicine.

Clinic and hospital based experience to develop basic skills in evaluation and management of patients with renal disease. Integration of renal physiology and pathophysiology.

**657 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. RB: Completion of Units I and II. R: Open only to graduate-professional students in the College of Osteopathic Medicine.

Acute evaluation and management of patients in the hospital emergency room and other locations.