

OSTEOPATHIC MEDICINE **OST**

College of Osteopathic Medicine

- 401 Selected Topics in Osteopathic Medicine**
Fall, Spring. 1(1-0) RB: Student with academic interest and career focus toward medicine and the health sciences.
Classical, current and innovative osteopathic medical trends in patient treatment and care.
- 501 Clinical Skills I**
Fall. 2(1-2) R: Open only to graduate-professional students in the College of Osteopathic Medicine.
Introduction to osteopathic physical examination.
- 502 Clinical Skills II**
Spring. 2(1-2) P:M: (OST 501 or concurrently and ANTR 551) R: Open only to graduate-professional students in the College of Osteopathic Medicine.
Continuation of OST 501.
- 504 Doctor/Patient Relationship I**
Fall. 1(0-2) R: Graduate-professional students in College of Osteopathic Medicine.
Basics of interpersonal communication related to physician interaction with patients.
- 505 Doctor/Patient Relationship II**
Spring. 1(0-2) P:M: (OST 504) R: Open only to graduate-professional students in the College of Osteopathic Medicine.
Skills of interviewing patients for the purposes of gathering information, giving information, and patient motivation.
- 511 Systems Biology: Neuromusculoskeletal I**
Summer. 7(5-4) P:M: (ANTR 551 and OST 501 and PTH 542 and BMB 514 and OMM 501 and OST 505 and BMB 526 and NOP 552 and OST 502 and PSL 534 and PSL 535 and OMM 502 and OST 504 and MMG 522) R: Open only to graduate-professional students in the College of Osteopathic Medicine. Approval of college.
Multidisciplinary approach to the peripheral neuromusculoskeletal system. Integration of basic science and clinical information.
- 512 Systems Biology: Neuromusculoskeletal II**
Fall. 5(4-2) P:M: (OST 511 and PHM 563 and OMM 503 and RAD 553) R: Open only to graduate-professional students in the College of Osteopathic Medicine.
Multidisciplinary approach to the neuromusculoskeletal system. Central nervous system and ophthalmology. Integration of basic science and clinical information.
- 513 Systems Biology: Neuromusculoskeletal III**
Spring. 5(3-4) RB: (OST 512) R: Open only to graduate-professional students in College of Osteopathic Medicine. Approval of college.
Multidisciplinary approach to the neuromusculoskeletal system. Emphasis on ophthalmology, rheumatology, and orthopedics. Integration of basic science and clinical information with osteopathic manual medicine.

- 517 Systems Biology: Behavior II**
Spring. 2(2-0) RB: (OST 516) R: Open only to graduate-professional students in College of Osteopathic Medicine.
A multidisciplinary approach to behavior. Focus on psychopathology, chronic illness and disability, health policy and terminal care.
- 519 Ethics, Policy and Jurisprudence**
Spring. 2(2-0) P:M: (OST 512 and OST 529 and OST 530 and OST 527 and OMM 504 and FCM 640 and OST 522) R: Open only to graduate and graduate-professional students in the colleges of Osteopathic Medicine, Human Medicine and Nursing or approval of department.
Key issues in ethics, policy and law encountered in the practice of medicine.
- 520 Behavioral Medicine System**
Fall, Spring. 3(3-0) P:M: (OST 511 and PHM 563 and OMM 503 and RAD 553) R: Open only to graduate-professional students in the College of Osteopathic Medicine. SA: OST 516
Health promotion models, health behavior, stress and coping, models of substance abuse, substance abuse screening and interventions, human sexuality, psychosocial aspects of chronic illness, understanding and treating pain.
- 521 Systems Biology: Hematopoietic**
Fall. 2(2-0) P:M: (OMM 504 and OST 527 and FCM 640 and OST 522 and OST 530 and OST 512 and OST 529 and OST 520) RB: (ANTR 551 and ANT 563 and BMB 521 and MMG 522 and PHM 563 and PTH 542) R: Open only to graduate-professional students in College of Osteopathic Medicine. Approval of college.
Multidisciplinary approach to the hematopoietic system. Hematopoiesis, clotting, and hematopoietic pathologies. Integration of clinical and basic science information.
- 522 Systems Biology: Gastrointestinal**
Fall. 5(5-0) P:M: (OST 511 and PHM 563 and RAD 553 and OMM 503) R: Open only to graduate-professional students in the College of Osteopathic Medicine.
Multidisciplinary approach to the gastrointestinal system. Normal structure and function, and pathologies. Integration of basic science and clinical information.
- 523 Systems Biology: Genitourinary**
Spring. 3(3-0) P:M: (OST 512 and OMM 504 and OST 522 and FCM 640 and OST 529 and OST 527 and OST 530) R: Open only to graduate-professional students in College of Osteopathic Medicine. Approval of college.
Multidisciplinary approach to the urinary system. Normal structure and function and pathologies of the urinary and male reproductive systems. Integration of basic science and clinical information.
- 524 Systems Biology: Cardiovascular**
Spring. 8(7-2) P:M: (OST 512 and OST 530 and OMM504 and FCM 640 and OST 522 and OST 529 and OST 527) R: Open only to graduate-professional students in College of Osteopathic Medicine. Approval of college.
Multidisciplinary approach to the cardiovascular system. Normal structure and function and pathologies. Integration of basic science and clinical information.

- 525 Systems Biology: Respiratory**
Spring. 5(4-2) P:M: (OST 512 and OST 527 and OMM 504 and OST 530 and OST 522 and FCM 640 and OST 529) R: Open only to graduate-professional students in College of Osteopathic Medicine. Approval of college.
Multidisciplinary approach to the respiratory system. Normal structure and function and pathologies. Integration of basic science and clinical information.
- 526 Systems Biology: Integumentary**
Summer. 2(2-0) P:M: (OMM 505 and OST 525 and FCM 650 and OST 523 and OST 521 and OST 524 and OST 519 and OST 520) R: Open only to graduate-professional students in College of Osteopathic Medicine. Approval of college.
Multidisciplinary approach to the integumentary system. Diagnosis and treatment of integumentary pathologies. Integration of basic science and clinical information.
- 527 Systems Biology: Female Reproductive**
Fall. 4(4-0) P:M: (OST 511 and PHM 563 and OMM 503 and RAD 553) R: Open only to graduate-professional students in the College of Osteopathic Medicine.
Multidisciplinary approach to the female reproductive system. Normal structure and function, and pathologies. Integration of basic science and clinical information in obstetrics and gynecology.
- 528 Systems Biology: Growth and Development**
Summer. 3(3-0) P:M: (OST 525 and OMM 505 and OST 524 and OST 523 and OST 521 and FCM 650 and OST 520 and OST 519) R: Open only to graduate-professional students in College of Osteopathic Medicine.
Multidisciplinary approach to growth and development. Normal structure and function, and pathologies. Integration of basic science and clinical information.
- 529 Systems Biology: Endocrinology**
Fall. 2(2-0) P:M: (OST 511 and PHM 563 and OMM 503 and RAD 553) R: Open only to graduate-professional students in the College of Osteopathic Medicine.
Multidisciplinary approach to endocrinology. Normal endocrine function and the principles of diagnosis and treatment of endocrine disorders. Integration of basic science and clinical information.
- 530 Psychopathology**
Fall. 1(1-0) P:M: (OST 511 and PHM 563 and OMM 503 and RAD 553) R: Open only to graduate-professional students in the College of Osteopathic Medicine.
Overview of psychopathology, Diagnostic and Statistical Manual of Mental Disorders, Edition IV (DSM-IV).
- 531 Biostatistics and Epidemiology**
Summer. 2(2-0) P:M: (OST 521 and OST 523 and OST 520 and OMM 505 and OST 519 and FCM 650 and OST 524 and OST 525) R: Open only to graduate or graduate-professional students in the Colleges of Osteopathic Medicine, Human Medicine, and Nursing or approval of department. SA: CMS 512, OM 512, IM 512
Exposure to the tools necessary to read and understand epidemiological and other medical research articles.

Osteopathic Medicine—OST

- 535 Principles of Geriatrics**
Summer. 2(2-0) P:M: (OMM 505 and OST 525 and FCM 650 and OST 523 and OST 521 and OST 524 and OST 519 and OST 520) R: Open only to graduate-professional students in the Colleges of Osteopathic and Human Medicine or approval of department. SA: CMS 522
Lectures, readings, tapes, small group seminars, and home visits related to normal aging epidemiology. Major chronic diseases and other issues of geriatric care.
- 536 Behavioral System**
Fall. 2(2-0) P:M: (OST 511 and PHM 563 and OMM 503 and RAD 553) Not open to students with credit in OST 520.
Health promotion models, health behavior, stress and coping, and human sexuality.
- 537 Substance Abuse**
Spring. 1(1-0) P:M: (OMM 504 and OST 527 and OST 530 and OST 522 and FCM 640 and OST 512 and OST 536 and OST 529) Not open to students with credit in OST 520.
Substance abuse models, screening and interventions.
- 538 Chronic Illness**
Spring. 1(1-0) P:M: (OMM 504 and FCM 640 and OST 527 and OST 512 and OST 530 and OST 536 and OST 522 and OST 529) Not open to students with credit in OST 520.
Psychosocial aspects of chronic illness. Understanding and treating pain.
- 540 Aspects of Clinical Medicine**
Summer. 2(1-1) P:M: (ANT 551 and PSL 534 and NOP 552 and RAD 552 and PSL 535 and OMM 505 and OST 511 and BCH 514 and BCH 526 and OST 502 and OST 505 and MMG 522 and PTH 542 and PHM 563 and OST 529) and (OST 512 and OST 522 and OST 527 and OST 520 and OST 530 and OST 524 and OST 525 and OST 523 and OST 521 and OST 519 and FCM 640 and FCM 650)
Correlation of information gathering and clinical decision-making related to common patient presenting symptoms.
- 560 Neuropathology Problem Solving Exercises**
Fall, Spring, Summer. 2(0-4) Interdepartmental with Human Medicine. Administered by College of Human 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 Human Medicine. Administered by College of Human Medicine. R: Graduate-professional students in colleges of Human and Osteopathic Medicine. SA: PTH 542
Fundamental pathologic processes. Clinical applications.

- 590 Special Problems**
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 60 credits in all enrollments for this course. R: Open only to graduate-professional students in College of Osteopathic Medicine. Approval of college.
Individual study directed by a faculty member on an experimental, theoretical, or applied problem.
- 600 Spanish For Medical Terminology**
Fall, Spring. 1(1-0) A student may earn a maximum of 2 credits in all enrollments for this course. RB: Some basic Spanish experience/conversation.
Practicing patient interview skills in Spanish.
- 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 Internal Medicine; Osteopathic Surgical Specialties; Pediatrics; Psychiatry; Family and Community Medicine. RB: Successful completion of the preclerkship requirements in College of Osteopathic Medicine Units I and II.
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.
- 609 Laboratory Medicine Clerkship**
Fall, Spring, Summer. 1 to 8 credits. Fall: Flint G.Rapids Kalamazoo Lans Saginaw UP. Spring: Flint G.Rapids Kalamazoo Lans Saginaw UP. Summer: Flint G.Rapids Kalamazoo Lans Saginaw UP. A student may earn a maximum of 16 credits in all enrollments for this course. Interdepartmental with Human Medicine. Administered by College of Human 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 Human Medicine. Administered by College of Human 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.

OSTEOPATHIC OSS SURGICAL SPECIALTIES

Department of Osteopathic Surgical Specialties College of Osteopathic Medicine

- 512 Biostatistics and Epidemiology**
Summer. 2(2-0) R: Open only to graduate and graduate-professional students in the Colleges of Osteopathic Medicine, Human Medicine, and Nursing or approval of department. SA: CMS 512, OM 512
Medical literature to illustrate statistical reasoning and research design. Emphasis on analysis rather than computation. Prospective or retrospective studies. Sensitivity, specificity, and predictive values. Epidemiologic terminology.
- 590 Special Problems**
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 48 credits in all enrollments for this course. R: Open only to graduate-professional students in the College of Osteopathic Medicine. Approval of department. SA: OM 590
Each student works 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 Internal Medicine; Osteopathic Medicine; Pediatrics; Psychiatry; Family and Community Medicine. RB: Successful completion of the preclerkship requirements in College of Osteopathic Medicine Units I and II.
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.
- 620 Directed Studies**
Fall, Spring, Summer. 1 to 30 credits. A student may earn a maximum of 48 credits in all enrollments for this course. R: Open only to graduate-professional students in the College of Osteopathic Medicine upon completion of Units I and II. SA: OM 620, OM 620
Individual or group work on special problems in medicine.
- 651 Obstetrics and Gynecology Clerkship**
Fall, Spring, Summer. 1 to 9 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to graduate-professional students in the College of Osteopathic Medicine upon completion of Units I and II. SA: OM 651, OM 651
Obstetric patient evaluation and management: motor skills, aptitudes, evaluation of postpartum patient and management of gynecologic problems.