

**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.
- 402 Introduction to Global Health**  
On Demand. 3(3-0)  
Introductory topics in global health.
- 551 Osteopathic Patient Care I**  
Fall. 2(1-2) R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Clinical assessment skills and evidence-based medicine to develop effective critical thinking in the doctor patient relationship.
- 552 Osteopathic Patient Care II**  
Spring. 2(1-2) R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Clinical assessment skills and evidence-based medicine to develop effective critical thinking in the care of patients, as it relates to neurology, orthopedics, psychiatry, endocrine, female reproduction and genitourinary systems.
- 553 Osteopathic Patient Care III**  
Summer. 3(1-4) R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Integration of components of the doctor patient relationship, clinical assessment skills and evidence based medicine to develop effective critical thinking and assessment skills in the care of patients. Correlations to concurrent integumentary and gastrointestinal systems courses. Preparation for future role as physician educator.
- 554 Osteopathic Patient Care IV**  
Fall. 3(1-4) R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Integration of components of the doctor patient relationship, clinical assessment skills and evidence based medicine to develop effective critical thinking and assessment skills in the care of patients. Correlations to concurrent psychopathology, hematopoietic, and cardiovascular systems courses.
- 555 Osteopathic Patient Care V**  
Spring. 3(1-4) R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Integration of components of the doctor patient relationship, clinical assessment skills and evidence based medicine in the care of patients. Correlation to concurrent respiratory system course. Presentation skills.

- 556 Pediatrics I**  
Spring. 1(1-0) R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Normal growth and development of children from birth to 18 years. Conditions of the nervous, musculoskeletal, endocrine and genitourinary systems that affect children.
- 557 Pediatrics II**  
Summer. 1(1-0) R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Normal structure, function and pathologies of the integumentary, reproductive, and gastrointestinal systems as they relate to children.
- 558 Pediatrics III**  
Fall. 1(1-0) R: Open to graduate students in the College of Osteopathic Medicine.  
Normal structure, function and pathologies of the behavioral, cardiovascular, hematopoietic and respiratory systems as they relate to the pediatric population. Ethical considerations in pediatrics.
- 566 Care for the Young and the Aging Adult I**  
Fall. 1(1-0) R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Focus on children birth to 18 years, and the elderly greater than 65. Normal growth, development, and aging.
- 567 Care for the Young and the Aging Adult II**  
Spring. 1(1-0) R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Focus on children birth to 18 and elderly greater than 65. Normal structure, function and pathologies focusing on the nervous, endocrine, reproductive and genitourinary systems.
- 568 Care for the Young and the Aging Adult III**  
Summer. 1(1-0) R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Focus on children birth to 18 and elderly greater than 65. Normal structure, function and pathologies focusing on the integumentary and gastrointestinal systems.
- 569 Care for the Young and the Aging Adult IV**  
Fall. 1(1-0) R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Focus on children birth to 18 and elderly greater than 65. Normal structure, function and pathologies focusing on behavioral, cardiovascular and hematopoietic systems.
- 570 Care for the Young and the Aging Adult V**  
Spring. 1(1-0) R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Focus on children birth to 18 and elderly greater than 65. Normal structure, function and pathologies focusing on the respiratory system.

- 571 Neuromusculoskeletal System**  
Spring. 10(8-4) R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Systems Neuromusculoskeletal Medicine from basic science through clinical neurology, orthopedics, rheumatology, psychiatry and ophthalmology. Neuroanatomy, orthopedic anatomy, integration with clinical neurology, orthopedics, psychiatry and ophthalmology.
- 572 Genitourinary System**  
Spring. 3(3-0) R: Open to graduate-professional students in the College of Osteopathic Medicine. C: OST 573 concurrently.  
Normal urinary and male reproductive structure and function; principles of diagnosis and management of urinary and male reproductive disorders. Integration of basic science and clinical information related to the urinary and male reproductive systems.
- 573 Endocrine System**  
Spring. 3(3-0) R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Multidisciplinary approach to endocrinology. Normal endocrine structure and function; principles of diagnosis and management of endocrine disorders. Integration of basic science and clinical information.
- 574 Female Reproductive System**  
Summer. 3(3-0) R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Normal structure and function of related pathologies with the female reproductive system. Integration of basic science and clinical information in obstetrics and gynecology.
- 575 Gastrointestinal System**  
Summer. 6(5-2) R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Systems biology approach to the entire digestive tract, including accessory organs of digestion. Normal structure and function and pathologies. Integration of basic science and clinical information.
- 576 Integumentary System**  
Summer. 2(2-0) R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Systems biology approach to the integumentary system, to include the skin and its epidermal derivatives. Normal structure and function and pathologies. Integration of basic science and clinical information.
- 577 Psychopathology**  
Fall. 2(2-0) R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Systems biology approach to the behavioral system. Normal structure and function and pathologies of the mind to include integration of basic science and clinical information.
- 578 Hematopoietic System**  
Fall. 2(2-0) R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Systems biology approach to the hematopoietic system including normal structure and function, hematopoiesis, clotting and hematopoietic pathologies. Integration of basic science and clinical information.

## OST—Osteopathic Medicine

- 579 Cardiovascular System**  
Fall, 9(8-2) R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Systems biology approach to the cardiovascular system, including the heart and vasculature throughout the body. Normal structure and function and pathologies. Integration of basic science and clinical information.
- 580 Respiratory System**  
Spring, 7(5-4) R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Systems biology approach to the entire respiratory system.
- 581 Ethics, Professionalism and Law**  
Spring, 2(2-0) R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Introduction to the legal principles and ethical standards relevant to the practice of medicine including a variety of applicable legal theories such as negligence, liability and fraud. Topics of professional responsibility, confidentiality, consent, end-of-life issues, and reproductive rights are also included.
- 582 Transitions I: Board Preparation**  
Summer, 6 credits. R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Selected topics in preparation for licensure board exams.
- 583 Geriatrics**  
Spring, 1(1-0) R: Open to graduate students in the College of Osteopathic Medicine.  
Normal aging, structure, function and pathologies of older persons greater than 65.
- 589 Independent Study Project**  
Fall, Spring, Summer, 1 to 6 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.  
Individualized Independent Study Project elective with faculty oversight.
- 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.
- 591 Medical Case Study Journal Review**  
Fall, Spring, Summer, 1(2-0) A student may earn a maximum of 4 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Analysis and presentation of published clinical case reports in the context of basic science principles and biomedical concepts.
- 592 Self-Directed Integration of Medical Knowledge**  
Fall, Spring, Summer, 6(2-0) A student may earn a maximum of 12 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine. Approval of college.  
Self-directed review and integration of basic science and systems medical knowledge content and clinical correlations using coaching and workshops.
- 593 Scholarly Activity Seminar**  
Fall, Summer, 1(1-0) R: Open to students in the College of Osteopathic Medicine.  
Survey of scholarly activity in medicine.
- 597 Biomedical Research Structure and Methods**  
Spring, 2(2-0) P: OST 598  
Intensive review of biomedical research methods and statistical analyses for mentored clinical research projects.
- 598 Evidence-Based Health Science**  
Summer, 1(1-0) R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Evidence-based approach to osteopathic basic science and clinical education and application to health science, critical review of literature, and research design.
- 599 Biomedical Research**  
Fall, Spring, Summer, 1 to 3 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. Approval of college.  
Basic, applied, or translational medical research under the direction of a mentor. Research topic is arranged with the research director or clinician researcher.
- 601 Transitions II: Classroom to Bedside**  
Summer, 5 credits. R: Open to graduate-professional students in the College of Osteopathic Medicine.  
Selected topics designed to assist the COM student in transitioning from the classroom to the clinical learning environment.
- 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 Internal Medicine and Osteopathic Surgical Specialties 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.
- 603 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 Internal Medicine and Neurology and Ophthalmology and Osteopathic Surgical Specialties and Pediatrics and Psychiatry. Administered by Osteopathic Medicine. R: Open to graduate-professional students in the College of Osteopathic Medicine.  
A 36 week didactic continuity experience.
- 604 Essential Clinical Skills for the Senior Medical Student**  
Fall, Spring, Summer, 1 to 2 credits. A student may earn a maximum of 3 credits in all enrollments for this course. Interdepartmental with Osteopathic Manipulative Medicine. Administered by Osteopathic Medicine. R: Open to seniors in the College of Osteopathic Medicine.  
Longitudinal experience addressing essential skills for senior osteopathic medical students.
- 609 Laboratory Medicine Clerkship**  
Fall, Spring, Summer, 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. Interdepartmental with Human Medicine. Administered by Human Medicine. R: Open to graduate-professional students in the College of Human Medicine or in the College of Osteopathic Medicine. SA: PTH 609  
Laboratory procedures. Correlation of laboratory data with morphologic abnormalities in patients with pathophysiology.
- 610 Pathology Clerkship**  
Fall, Spring, Summer, 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. Interdepartmental with Human Medicine. Administered by Human Medicine. R: Open to graduate-professional students in the College of Human Medicine or in the College of Osteopathic Medicine. SA: PTH 608  
Anatomic and clinical pathology with emphasis on clinical-pathological correlation. Conducted in pathology departments of affiliated hospitals.
- 615 Biomedical Research Clerkship**  
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. Approval of college.  
Mentored exposure to either basic or clinical research and development of skills to perform clinical or basic science research. Research topic is arranged with the research director or clinician researcher.
- 620 Patient Safety and Quality Improvement**  
Fall, Spring, Summer, 2 to 3 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Open to students in the College of Osteopathic Medicine.  
Foundations of patient safety and quality improvement incorporating Institute for Healthcare Improvement's (IHI) certification.

- 621 Leadership in Healthcare**  
Fall, Spring, Summer. 3(2-2) R: Open to students in the College of Osteopathic Medicine.  
Develop healthcare-focused leadership skills through review of theory and interactive discussions with experts.
- 685 International Clerkship Rotations**  
Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course. RB: Fluency with host country language. R: Approval of college; application required.  
Faculty supervised international clerkship opportunities to immerse students into global healthcare institutions and communities with various healthcare delivery systems that will include student introduction to common diseases and treatment, and cultural sensitivity outside of the required clerkship experience in our affiliated hospital system.
- 686 Global Health: Mexico - Clinical Immersion**  
Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course. P: IM 618 or approval of college RB: Fluency in Spanish to interact with patients R: Open to graduate-professional students in the College of Osteopathic Medicine or approval of college.  
Observation of and supervised participation in host country's healthcare delivery system. Etiology, treatment, and control of endemic disease. Exploration of local culture and history.
- 687 Global Health: Peru - Clinical Immersion**  
Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course. RB: Fluency in Spanish to interact with patients R: Open to graduate-professional students in the College of Osteopathic Medicine or approval of college.  
Observation of and supervised participation in host country's healthcare delivery system. Etiology, treatment, and control of endemic disease. Exploration of local culture and history. Offered second half of semester.
- 688 Global Health: Cuba - Clinical Immersion**  
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 or approval of college.  
Observation of and supervised participation in host country's healthcare delivery system. Etiology, treatment, and control of endemic disease. Exploration of local culture and history.
- 689 Global Health: Haiti - Clinical Immersion**  
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 Human Medicine or in the College of Osteopathic Medicine or in the College of Nursing or approval of college.  
Observation of and supervised participation in host country's healthcare delivery system. Etiology, treatment, and control of endemic disease. Exploration of local culture and history.
- 690 Global Health: Dominican Republic - Clinical Immersion**  
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 or approval of college.  
Observation of and supervised participation in host country's healthcare delivery system. Etiology, treatment, and control of endemic disease. Exploration of local culture and history.
- 691 Global Health: Guatemala - Clinical Immersion**  
Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course. RB: Fluency in Spanish to interact with patients R: Open to graduate-professional students in the College of Osteopathic Medicine or approval of college.  
Observation of and supervised participation in host country's healthcare delivery system. Etiology, treatment, and control of endemic disease. Tropical disease. Exploration of local culture and history.
- 692 Global Health: Turkey - Clinical Immersion**  
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 or approval of college.  
Observation of and supervised participation in host country's healthcare delivery system. Etiology, treatment, and control of endemic disease. Exploration of local culture and history.
- 693 Global Health: South Korea - Clinical Immersion**  
Fall, Spring, Summer. 1 to 6 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 or approval of college.  
Observation of and supervised participation in host country's healthcare delivery system. Etiology, treatment, and control of endemic disease. Exploration of local culture and history.
- 694 Global Health: Nepal - Clinical Immersion**  
Fall, Spring, Summer. 1 to 6 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 or approval of college.  
Observation of and supervised participation in host country's healthcare delivery system. Etiology, treatment, and control of endemic disease. One Health. Exploration of local culture and history.
- 804 Public Health Policy and the Law in the Health Professions**  
Fall. 3 credits.  
Theory and processes of public health policy and its impact on health providers with consideration of the integral relationship between health providers in the public and private sectors, health policy agencies and legislative and ethical decision making processes.
- 820 Capstone Course for the Health Professions**  
Fall, Spring, Summer. 3 credits. P: ED 820 and EAD 861 and EAD 866 and EAD 877 and OST 801 and OST 802 and OST 803 and (OST 804 or concurrently) and EAD 840 and EAD 863  
Demonstration of the mastery of cognitive skills by application of appropriate information to a robust health-care management problem.
- 821 One Health—Transdisciplinary Collaborations to Global Health**  
Fall, Spring, Summer. 3 credits. R: Open to master's students in the College of Osteopathic Medicine or approval of college.  
Transdisciplinary collaboration amongst different animal health, human health, and non-health specialists to solve problems at the interface of people, animals, and their environment.
- 822 Introduction to Global Health Practice**  
Fall, Spring, Summer. 3 credits. R: Open to master's students in the College of Osteopathic Medicine or approval of college.  
Differences in national models of healthcare delivery, issues of social justice and human rights principles, and strategies to engage marginalized and vulnerable populations.
- 823 Global Burden of Disease**  
Fall, Spring, Summer. 3 credits. R: Open to master's students in the College of Osteopathic Medicine or approval of college.  
Major causes of, types of, and efforts to reduce morbidity and mortality around the world. Techniques for monitoring and validating the health status of populations.
- 824 Emerging Topics in Global Health**  
Fall, Spring, Summer. 3 credits. R: Open to master's students in the College of Osteopathic Medicine or approval of college.  
Emerging topics in global health and connections to current issues.

**825 Ethical Issues in Global Health**  
 Fall, Spring, Summer. 3 credits. R: Open to master's students in the College of Osteopathic Medicine or approval of college.  
 International standards for protection of human subjects. Social justice and human rights principles within the global context.

**827 Global Health Management**  
 Fall, Spring, Summer. 3 credits. R: Open to master's students in the College of Osteopathic Medicine or approval of college.  
 Leadership and management within the context of global healthcare, including interprofessional and intercultural values and communication.

**828 Global Health Capstone**  
 Fall, Spring, Summer. 3 credits. R: Open to master's students in the Global Health Major. Approval of college.  
 Integration of knowledge, skills and competencies acquired in global health.

**829 Global Health Community Assessment**  
 Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to master's students in the College of Osteopathic Medicine or approval of college.  
 Assessment of community health scenarios. Techniques for collaboration and co-creation with community partners.

**830 Independent Study in Global Health**  
 Fall, Spring. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to master's students in the College of Osteopathic Medicine or approval of college.  
 Independent study in areas relevant to global health.

**831 Evidence-Based Practice in Global Health**  
 Fall, Spring, Summer. 3 credits. R: Open to master's students in the College of Osteopathic Medicine or approval of college.  
 Critical appraisal of scientific studies of global health interventions.

**832 Independent Study in United States Health Systems**  
 On Demand. 1 to 3 credits.  
 Independent study in areas relevant to the United States Health Systems.

**847 Public Health in Ghana: A One Health Perspective**  
 Summer. 5(5-0) Summer: Abroad. Interdepartmental with Human Medicine. Administered by Human Medicine. RB: Academic or professional background in public health and/or public health related discipline; undergraduate level health-related discipline  
 R: Approval of college; application required.  
 Major public health issues in Ghana from a One Health perspective; interface between Western and traditional health care beliefs and practices in Ghana; community engagement experience employing participatory research methods with emphasis on social justice and ethical conduct of research.

**890 Independent Study**  
 Fall, Spring, Summer. 3(3-0) RB: Enrolled in the Master of Arts in Health Professions Education R: Approval of college; application required.  
 Supervised individual study in an area of osteopathic medicine.

**894 Field Study**  
 Fall, Spring, Summer. 3(3-0) RB: Enrolled in the Master of Arts in Health Professions Education R: Approval of college; application required.  
 Supervised graduate practica and internships in Health Professions Education.