

**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**  
 Spring. 4(2-4) RB: Successful completion of Semesters 1 and 2 of the graduate-professional program in the College of Osteopathic Medicine R: Open to graduate-professional students in the College of Osteopathic Medicine.  
 Introduction to osteopathic physical examination.

**504 Doctor/Patient Relationship**  
 Fall. 2(1-3) RB: Successful completion of Semester 1 of the graduate-professional program in the College of Osteopathic Medicine. R: Open to graduate-professional students in the College of Osteopathic Medicine.  
 Communication skills related to physician-patient interactions. Gathering and providing information. Understanding patient motivation.

**511 Systems Biology: Neuromusculoskeletal I**  
 Summer. 7(5-4) RB: Successful completion of semesters 1, 2 and 3 of the graduate-professional program in the College of Osteopathic Medicine. R: Open to graduate-professional students in the College of Osteopathic Medicine.  
 Multidisciplinary approach to the peripheral neuromusculoskeletal system. Integration of basic science and clinical information.

**512 Systems Biology: Neuromusculoskeletal II**  
 Fall. 5(4-2) RB: Successful completion of semesters 1, 2, 3 and 4 of the graduate-professional program in the College of Osteopathic Medicine R: Open 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.

**519 Ethics, Policy and Jurisprudence**  
 Spring. 2(2-0) RB: Successful completion of semesters 1, 2, 3, 4 and 5 of the graduate-professional program in the College of Osteopathic Medicine R: Open to graduate-professional students in the College of Osteopathic Medicine or approval of department.  
 Key issues in ethics, policy and law encountered in the practice of medicine.

**521 Systems Biology: Hematopoietic**  
 Spring. 2(2-0) RB: Successful completion of semesters 1, 2, 3, 4 and 5 of the graduate-professional program in the College of Osteopathic Medicine R: Open to graduate-professional students in the College of Osteopathic Medicine.  
 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) RB: Successful completion of semesters 1, 2, 3 and 4 of the graduate-professional program in the College of Osteopathic Medicine R: Open 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) RB: Successful completion of semesters 1, 2, 3, 4 and 5 of the graduate-professional program in the College of Osteopathic Medicine R: Open to graduate-professional students in the College of Osteopathic Medicine.  
 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) RB: Successful completion of semesters 1, 2, 3, 4 and 5 of the graduate-professional program in the College of Osteopathic Medicine R: Open to graduate-professional students in the College of Osteopathic Medicine.  
 Multidisciplinary approach to the cardiovascular system. Normal structure and function and pathologies. Integration of basic science and clinical information.

**525 Systems Biology: Respiratory**  
 Spring. 6(4-4) RB: Successful completion of semesters 1, 2, 3, 4 and 5 of the graduate-professional program in the College of Osteopathic Medicine R: Open to graduate-professional students in the College of Osteopathic Medicine.  
 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) RB: Successful completion of semesters 1, 2, 3, 4, 5 and 6 of the graduate-professional program in the College of Osteopathic Medicine R: Open to graduate-professional students in the College of Osteopathic Medicine.  
 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) RB: Successful completion of semesters 1, 2, 3 and 4 of the graduate-professional program in the College of Osteopathic Medicine R: Open 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**  
 Fall. 2(2-0) RB: Successful completion of semesters 1, 2, 3 and 4 of the graduate-professional program in the College of Osteopathic Medicine R: Open to graduate-professional students in the College of Osteopathic Medicine.  
 Multidisciplinary approach to growth and development. Normal structure and function, and pathologies.

**529 Systems Biology: Endocrinology**  
 Fall. 2(2-0) RB: Successful completion of semesters 1, 2, 3 and 4 of the graduate-professional program in the College of Osteopathic Medicine R: Open 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.

**531 Biostatistics and Epidemiology**  
 Fall. 2(2-0) RB: Successful completion of Semester 1 of the graduate-professional program in the College of Osteopathic Medicine. R: Open to graduate-professional students in the College of Osteopathic Medicine.  
 Exposure to the tools necessary to read and understand epidemiological and other medical research articles.

**532 Growth and Development: Cases**  
 Summer. 1(0-2) P: OST 528 RB: Successful completion of semesters 1, 2, 3, 4, 5 and 6 of the graduate-professional program in the College of Osteopathic Medicine R: Open to graduate-professional students in the College of Osteopathic Medicine.  
 Case studies in growth and development.

**536 Behavioral System**  
 Fall. 3 credits. RB: Successful completion of semesters 1, 2, 3 and 4 of graduate-professional program in the College of Osteopathic Medicine. R: Open to graduate-professional students in the College of Osteopathic Medicine.  
 Health promotion models, health behavior, stress and coping, and human sexuality. Psychopathology and geriatric issues.

**538 Chronic Illness**  
 Spring. 1(1-0) RB: Successful completion of semesters 1, 2, 3, 4 and 5 of the graduate-professional program in the College of Osteopathic Medicine R: Open to graduate-professional students in the College of Osteopathic Medicine.  
 Psychosocial aspects of chronic illness. Understanding and treating pain.

## OST—Osteopathic Medicine

### 561 Basic Principles of Pathology

Spring. 2 credits. Interdepartmental with Human Medicine. Administered by Human Medicine. R: Open only to graduate-professional students in the 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 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.

### 609 Laboratory Medicine Clerkship

Fall, Spring, Summer. 1 to 8 credits. A student may earn a maximum of 16 credits in all enrollments for this course. Interdepartmental with Human Medicine. Administered by 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 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.

### 801 Leadership and Organizational Dynamics/Human Resources Management in the Health Professions

Fall. 3 credits.

Concepts and processes for human resources management (HRM) in the health professions giving attention to principles of leadership and its application in the processes of health care management.

### 802 Operations Analysis and Decision-Making in the Health Professions

Spring. 3 credits.

Concepts of operations analysis, strategic and operational decision making in health care management and regulation, quality assurance and improvement, and quality outcomes research assessment.

### 803 Financial Management and Budgetary Considerations in the Health Professions

Fall, Summer. 3 credits.

Concepts of budgeting and finance management in health care.

### 804 Public Health Policy and the Law in the Health Professions

Fall, Spring. 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 CEP 825 and OST 801 and OST 802 and OST 803 and (OST 804 or concurrently)

Demonstration of the mastery of cognitive skills by application of appropriate information to a robust health-care management problem.