

Osteopathic Manipulative Medicine—OMM

590 Special Problems in Biomechanics
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 and graduate-professional students in the College of Osteopathic Medicine. Approval of department. SA: BIM 590

Each student works under faculty direction on an experimental, theoretical, or applied problem.

601 Osteopathic Manipulative 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 only to graduate-professional students in the College of Osteopathic Medicine upon completion of Units I and II. SA: BIM 601, BIM 601

Advanced training in the diagnosis of musculoskeletal dysfunction and application of osteopathic manipulative techniques.

620 Directed Studies
Fall, Spring, Summer. 1 to 30 credits. A student may earn a maximum of 30 credits in all enrollments for this course. SA: BIM 620, BIM 620

Individual or group work on special problems related primarily to the biomechanics of the musculoskeletal system.

800 Special Topics
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 3 credits in all enrollments for this course. SA: BIM 800

Directed study in topics of biomechanics.

830 Biomechanical Analysis of Physical Activity
Fall. 3(2-2) Interdepartmental with Kinesiology; Medicine; Obstetrics, Gynecology and Reproductive Biology; Pediatrics and Human Development; Surgery. Administered by Department of Kinesiology. SA: BIM 830, PES 830

Kinematic analysis of mechanical and anatomical characteristics in physical activity and sport skills.

831 Advanced Biomechanics of Physical Activity
Spring of even years. 3(2-2) Interdepartmental with Kinesiology; Medicine; Obstetrics, Gynecology and Reproductive Biology; Pediatrics and Human Development; Surgery. Administered by Department of Kinesiology. P:NM: (KIN 830) SA: BIM 831, KIN 831

Kinetic analyses of the performance of physical activity and sport.

890 Independent Study
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 22 credits in all enrollments for this course. R: Approval of department. SA: BIM 890

Individual or group work related to biomechanics and/or neuromuscular system.

899 Master's Thesis Research
Fall, Spring, Summer. 0(2-2) A student may earn a maximum of 25 credits in all enrollments for this course. SA: BIM 899

Master's thesis research.

930 Current Issues in Biomechanical Aspects of Physical Activity

Spring. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. Interdepartmental with Kinesiology; Medicine; Obstetrics, Gynecology and Reproductive Biology; Pediatrics and Human Development; Romance Languages. Administered by Department of Kinesiology. P:NM: (KIN 830) SA: BIM 930, PES 930

Selected issues of biomechanical analyses of sport and physical activity.

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. 3(1-4) R: Graduate-professional students in College of Osteopathic Medicine. Introduction to osteopathic physical examination.

502 Clinical Skills II
Spring. 3(1-4) P:NM: (OST 501) R: Graduate-professional students in 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:NM: (OST 504) R: Graduate-professional students in 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:NM: (ANT 551 and ANT 552 and OST 501 and OST 502 and PSL 501) R: Open only to graduate-professional students in College of Osteopathic Medicine. Approval of college.

A multidisciplinary approach to the peripheral neuromusculoskeletal system. Integration of basic science and clinical information with osteopathic manual medicine.

512 Systems Biology: Neuromusculoskeletal II
Fall. 6(4-4) P:NM: (OST 511) R: Open only to graduate-professional students in College of Osteopathic Medicine. Approval of college.

A multidisciplinary approach to the neuromusculoskeletal system. Emphasis on the central nervous system. Integration of basic science and clinical information with osteopathic manual medicine.

513 Systems Biology: Neuromusculoskeletal III
Spring. 5(3-4) P:NM: (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) P:NM: (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) 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. 4(4-0) R: Open only to graduate professional students in the College of Osteopathic Medicine. SA: OST 517. Not open to students with credit in OST 517.

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:NM: (ANT 551 and ANT 563 and BMB 521 and MIC 522 and PHM 563 and PTH 542) R: Open only to graduate-professional students in College of Osteopathic Medicine. Approval of college.

A multidisciplinary approach to the hematopoietic system. Emphasis on hematopoiesis, clotting, and hematopoietic pathologies. Integration of clinical and basic science information.

522 Systems Biology: Gastrointestinal
Fall. 6(6-0) P:NM: (ANT 551 and ANT 562 and BMB 521 and MIC 522 and PHM 563 and PSL 501 and PTH 542) R: Open only to graduate-professional students in College of Osteopathic Medicine. Approval of college.

A multidisciplinary approach to the gastrointestinal system emphasizing normal structure and function, and pathologies. Integration of basic science and clinical information.

523 Systems Biology: Genitourinary
Summer. 5(5-0) P:NM: (ANT 551 and ANT 562 and MIC 522 and PHM 563 and PSL 501 and PTH 542) R: Open only to graduate-professional students in College of Osteopathic Medicine. Approval of college.

A multidisciplinary approach to the urinary system. Emphasis on 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. 7(6-2) P:NM: (ANT 551 and ANT 553 and BMB 551 and MIC 522 and PHM 563 and PSL 551 and PTH 542) R: Open only to graduate-professional students in College of Osteopathic Medicine. Approval of college.

A multidisciplinary approach to the cardiovascular system emphasizing normal structure and function, and pathologies. Integration of basic science and clinical information.

525 Systems Biology: Respiratory
 Spring. 5(4-2) P:NM: (ANT 551 and BMB 521 and MIC 522 and PHM 563 and PSL 501) R: Open only to graduate-professional students in College of Osteopathic Medicine. Approval of college.

A multidisciplinary approach to the respiratory system emphasizing normal structure and function, and pathologies. Integration of basic science and clinical information.

526 Systems Biology: Integumentary
 Summer. 2(2-0) P:NM: (ANT 551 and ANT 562 and MIC 522 and PHM 563 and PTH 542) R: Open only to graduate-professional students in College of Osteopathic Medicine. Approval of college.

A multidisciplinary approach to the integumentary system. Emphasis on diagnosis and treatment of integumentary pathologies. Integration of basic science and clinical information.

527 Systems Biology: Female Reproductive
 Summer. 5(5-0) P:NM: (ANT 551 and ANT 562 and BMB 521 and MIC 522 and PHM 563 and PSL 501) R: Open only to graduate-professional students in College of Osteopathic Medicine. Approval of college.

A multidisciplinary approach to the female reproductive system emphasizing 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:NM: (ANT 551 and ANT 562 and BMB 521 and MIC 522 and PHM 563 and PSL 501) R: Open only to graduate-professional students in College of Osteopathic Medicine.

A multidisciplinary approach to growth and development. Emphasis on normal structure and function, and pathologies. Integration of basic science and clinical information.

529 Systems Biology: Endocrinology
 Fall. 2(2-0) P:NM: (PSL 501 and ANT 553 and BMB 551) R: Open only to graduate professional students in College of Osteopathic Medicine. Approval of college.

A multidisciplinary approach to endocrinology. Emphasis on 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) R: Open only to graduate-professional students in Osteopathic Medicine SA: OST 516

Overview of psychopathology, DSM-IV

535 Principles of Gerontology for Medical Practice
 Spring. 3(3-0) 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.

551 Issues in Minority Health
 Fall, Spring, Summer. 3(3-0) R: Open only to graduate and graduate-professional students in the Colleges of Osteopathic Medicine, Human Medicine, and Nursing or approval of college. SA: CMS 515

Patterns of health and illness in minority populations.

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.

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. P:NM: 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.

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 Osteopathic Medicine; Internal Medicine; Pediatrics; Psychiatry; Family and Community Medicine. Administered by Department of Osteopathic Medicine. P:NM: 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.

653 Surgery Clerkship
 Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 12 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 653, OM 653

Surgical diagnosis, management, and treatment. Structure developed to achieve proficiency in motor skills, aptitudes, comprehension of concepts and principles, patient evaluation, diagnosis, management, therapy.

654 Anesthesiology Clerkship
 Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 4 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 654, OM 654

Motor skills, concepts and principles, patient evaluation, management and therapy.

OSTEOPATHIC SURGICAL SPECIALTIES OSS

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.