

## Osteopathic Manipulative Medicine—OMM

### OSTEOPATHIC MANIPULATIVE MEDICINE

OMM

#### Department of Osteopathic Manipulative Medicine College of Osteopathic Medicine

- 500 Student Osteopathic Manipulative Medicine Practical Laboratory**  
Fall, Spring, Summer. 1 credit. A student may earn a maximum of 4 credits in all enrollments for this course. P:M: (OST 501 and OST 502 and OST 504 and OST 505)  
Elective course of didactic and clinical sessions which apply osteopathic principles and techniques on patients.
- 501 Osteopathic Manipulative Medicine I**  
Fall. 1(0-2) Interdepartmental with Physical Medicine and Rehabilitation. R: Open only to students in the College of Osteopathic Medicine.  
Basic osteopathic palpatory skills. Building on their basic palpatory skills, students will learn skills in the osteopathic manipulative treatment areas of counterstrain and muscle energy.
- 502 Osteopathic Manipulative Medicine - II**  
Spring. 1(0-2) Interdepartmental with Physical Medicine and Rehabilitation. P:M: (OMM 501) R: Open only to students in the College of Osteopathic Medicine.  
Students will continue to learn skills in the osteopathic manipulative treatment area of muscle energy as well as high velocity low amplitude (mobilization with impulse).
- 503 Osteopathic Manipulative Medicine - III**  
Summer. 1(0-2) Interdepartmental with Physical Medicine and Rehabilitation. P:M: (OMM 502) R: Open only to students in the College of Osteopathic Medicine.  
Students will use their palpatory skills as they learn the principles of functional (indirect) and myofascial release osteopathic manipulative treatment.
- 504 Osteopathic Manipulative Medicine - IV**  
Fall. 1(0-2) Interdepartmental with Physical Medicine and Rehabilitation. P:M: (OMM 503) R: Open only to students in the College of Osteopathic Medicine.  
Basic cranio-sacral osteopathic manipulative medicine. Exposure to various osteopathic approaches to the extremities.
- 505 Osteopathic Manipulative Medicine - V**  
Spring. 1(0-2) Interdepartmental with Physical Medicine and Rehabilitation. P:M: (OMM 504) R: Open only to students in the College of Osteopathic Medicine.  
Use of patient complaints/conditions to integrate material presented in OMM 501, 502, 503, 504 while preparing the student for OMM 506.
- 506 Osteopathic Manipulative Medicine - VI**  
Summer. 1(0-2) Interdepartmental with Physical Medicine and Rehabilitation. P:M: (OMM 505) R: Open only to students in the College of Osteopathic Medicine.  
The osteopathic component in the context of total patient care in disorders of various systems.

- 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. Administered by Department of Kinesiology. SA: 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. Administered by Department of Kinesiology. RB: (KIN 830) SA: PES 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. Administered by Department of Kinesiology. RB: (KIN 830) SA: 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. 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) RB: (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) RB: (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) 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) 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 516 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) RB: (ANT 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.

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) RB: (ANT 551 and ANT 562 and BMB 521 and MMG 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) RB: (ANT 551 and ANT 562 and MMG 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) RB: (ANT 551 and ANT 553 and BMB 551 and MMG 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) RB: (ANT 551 and BMB 521 and MMG 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) RB: (ANT 551 and ANT 562 and MMG 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) RB: (ANT 551 and ANT 562 and BMB 521 and MMG 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) RB: (ANT 551 and ANT 562 and BMB 521 and MMG 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) RB: (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 psycho pathology, 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.

**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.

**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. 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.

## 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.

**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.