

Descriptions – OSTEOPATHIC MEDICINE (College of)

of

Courses

**OSTEOPATHIC MEDICINE
(COLLEGE OF) OST**

**500. Historical and Biological
Foundations of Osteopathic
Medicine**

Summer. 2(2-0) Admission to a college of medicine or approval of department.

Historical development of the osteopathic profession. Integration of biological and osteopathic principles in the consideration of health and disease.

**520. Normal Endocrine Structure
and Function**

Winter. 2 to 6 credits. BCH 502, PSL 500A, ANT 560, ANT 565 or approval of department.

An integrated basic science course presenting a series of lectures and laboratories related to the normal structure and function of the endocrine organs. Prerequisite for studying endocrine diseases in systems biology.

**530. Comprehensive Patient
Evaluation I**

Summer. 2 to 6 credits. Admission to a college of medicine. ANT 565 or concurrently.

Interdepartmental course in physical examination skills. Stresses comprehensive, osteopathic evaluation of the patient.

**531. Comprehensive Patient
Evaluation II**

Fall. 2 to 6 credits. OST 530, ANT 565. Continuation of OST 530.

**532. Comprehensive Patient
Evaluation III**

Winter. 2 to 6 credits. OST 531. Interdepartmental course in physical examination skills. Stresses application of comprehensive, osteopathic evaluation of the patient. Introduction to office procedures and physical diagnosis.

**533. Comprehensive Patient
Evaluation IV**

Spring. 2 to 6 credits. OST 532. Interdepartmental course in physical examination skills. Stresses comprehensive, osteopathic evaluation of the patient. Includes preceptorship and appropriate systems biology clinical experiences.

**534. Comprehensive Patient
Evaluation and Management I**

Fall. Summer. 2 to 6 credits. OST 533. Physical examination skills, diagnosis and patient management. Stresses comprehensive, osteopathic evaluation and management of the patient. Includes preceptor assignment and appropriate systems biology clinical experiences.

**535. Comprehensive Patient
Evaluation and Management II**

Fall, Winter. 2 to 6 credits. OST 533. Continuation of OST 534.

**536. Comprehensive Patient
Evaluation and Management III**

Winter, Spring. 2 to 6 credits. OST 533. Continuation of OST 535.

**537. Comprehensive Patient
Evaluation and Management IV**

Spring, Summer. 2 to 6 credits. OST 533. Continuation of OST 536.

**551. Introduction to Laboratory
Medicine**

Fall. 3 to 12 credits. ANT 560, BCH

501. A multidisciplinary approach to the hematopoietic systems providing a functional integration of basic science and clinical information.

**552. Systems Biology -
Integumentary**

Summer. 2 to 6 credits. ANT 560, ANT 565, PSL 500A, MPH 521, BCH 502, PHM 521B, PTH 502.

A multidisciplinary approach to the integumentary system providing a functional integration of basic science and clinical information.

**553. Systems Biology - Nervous
System**

Summer. 5 to 15 credits. ANT 563, PSL 500A, PTH 502, BCH 502, PHM 521B, MPH 521.

A multidisciplinary approach to the nervous system providing a functional integration of basic science and clinical information.

**554. Systems Biology -
Cardiovascular**

Fall. 5 to 15 credits. ANT 560, ANT 565, PSL 500A, MPH 521, BCH 502, PHM 521B, PTH 502.

A multidisciplinary approach to the cardiovascular system providing functional integration of basic science and clinical information.

**555. Systems Biology -
Respiratory**

Winter. 5 to 10 credits. ANT 560, ANT 565, PSL 500A, MPH 521, BCH 502, PHM 521B, PTH 502.

A multidisciplinary approach to the respiratory system providing functional integration of basic science and clinical information.

556. Systems Biology - Urinary

Winter. 5 to 10 credits. ANT 560, ANT 565, PSL 500A, MPH 521, BCH 502, PHM 521B, PTH 502.

A multidisciplinary approach to the urinary system providing functional integration of basic science and clinical information.

**557. Systems Biology -
Gastrointestinal**

Spring. 5 to 15 credits. ANT 560, ANT 565, PSL 500A, MPH 521, BCH 502, PHM 521B, PTH 502.

A multidisciplinary approach to the gastrointestinal system providing functional integration of basic science and clinical information.

**558. Systems Biology - Growth
and Aging**

Spring. 5 to 15 credits. ANT 560, ANT 565, PSL 500A, MPH 521, BCH 502, PHM 520B, PTH 502.

A multidisciplinary approach to growth, development, and aging within (but not limited to) the field of pediatrics and gerontology providing functional integration of basic science and clinical information.

**559. Systems Biology -
Reproductive**

Spring. 5 to 15 credits. ANT 560, ANT 565; PSL 500A; MPH 521; BCH 502; PHM 520B; PTH 502.

A multidisciplinary approach to the male and female reproductive system providing functional integration of basic science and clinical information (includes obstetrics and gynecology).

**560. Systems Biology -
Musculoskeletal**

Summer. 5 to 15 credits. ANT 560, ANT 565; PSL 500A; MPH 521; BCH 502; PHM 521B; PTH 502.

A multidisciplinary approach to the musculoskeletal system providing functional integration of basic science and clinical information.

590. Special Problems

Fall, Winter, Spring, Summer. 1 to 8 credits. May reenroll for a maximum of 32 credits. Approval of department.

Each student will work under direction of a faculty member on an experimental, theoretical or applied problem.

600. Ambulatory Care

Fall, Winter, Spring, Summer. 24 credits. Grade P in all courses offered in Terms 1-8 or approval of department.

A multidisciplinary approach in clinical settings to the ambulatory patient to achieve proficiency in motor skills, aptitudes, comprehension of concepts and principles: patient evaluation, diagnosis, management, and therapy.

**610. The Osteopathic
Examination I**

Summer. 1(0-4) Admission to a college of medicine or approval of instructor.

Instruction in the osteopathic examination.

**611. The Osteopathic
Examination II**

Fall. 1(0-4) OST 610 or approval of instructor. Continuation of OST 610.

**612. The Osteopathic
Examination III**

(F M 650.) Winter. 1(0-4) OST 611 or approval of instructor. Continuation of OST 611.

**613. The Osteopathic
Examination IV**

(F M 660.) Spring. 1(0-4) OST 612 or approval of instructor. Continuation of OST 612.

**614. The Osteopathic
Examination V**

Fall, Winter, Spring, Summer. 1(0-4) OST 613. Continuation of OST 613.

**615. The Osteopathic
Examination VI**

Fall, Winter, Spring, Summer. 1(0-4) OST 613. Continuation of OST 614.

**616. The Osteopathic
Examination VII**

Fall, Winter, Spring, Summer. 1(0-4) OST 613, OST 614, OST 615 or approval of instructor. Continuation of OST 615.

**620. Systems Biology—Directed
Studies**

Fall, Winter, Spring, Summer. 1 to 15 credits. Admission to a professional medical program or approval of coordinator.

A directed study in systems biology for the continuing advanced student or remediation of any systems biology: hemopoietic, integumentary, nervous, cardiovascular, respiratory, urinary, gastrointestinal, growth and development.