Pediatrics

College of Osteopathic Medicine

590. Special Problems in Pediatrics
Fall, Winter, Spring, Summer. 1 to 8 credits. Approval of department.
Each student will work under direction of a faculty member on an experimental, theoretical or applied problem.

600. Pediatrics Clerkship
Fall, Winter, Spring, Summer. 6 credits. Grade P in all courses offered in terms 1 through 8 or approval of department.
Practical clinical exposure in the area of pediatrics. Program developed to achieve proficiency in motor skills and aptitudes; comprehension of concepts and principles; patient evaluation, diagnosis, management and therapy.

620. Directed Studies
Fall, Winter, Spring, Summer. 2 to 24 credits. May reenroll for a maximum of 45 credits. PED 600 or approval of department.
Study in general or specialty pediatrics.

Pediatrics and Human Development

College of Human Medicine

520. Genetics Clinic
Fall, Winter, Spring, Summer. 1 to 3 credits. May reenroll for a maximum of 9 credits.
Limited amounts of individual work on selected research problems for undergraduate students.

531. Medical Genetics
Fall. 1(1-0) Admission to a college of medicine or approval of department.
Basic genetic principles and their application to clinical medicine, prenatal genetic diagnosis, exercises in genetic counseling and the importance of relevant laboratory tests.

532. Phenomena of Development
Fall. 3(3-0) PHD 531 or approval of department.
Normal psychological and physical development of the human including intellectual, social, emotional and endocrinological growth from infancy through adolescence. Clinical examples highlight deviations from the normal course of development.

590. Special Problems in Human Development
Fall, Winter, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 12 credits. Human Medicine students or approval of department.
Each student will work under direction of a staff member on an experimental, theoretical or applied problem.

Pharmacology and Toxicology

College of Human Medicine

350. Introductory Human Pharmacology
Winter, Spring. 4(4-0) PSL 500A or PSL 500E; BCH 501 or BCH 512.
Drug absorption, distribution, biotransformation, elimination, antagonism; receptor theory and pharmacogenetics; Chemotherapy; anti-neoplastic, anti-viral and anti-microbial agents. Toxicology and emergency therapies. Pharmacology related to the autonomic nervous system.

521. Medical Pharmacology II
(521B.) Winter. 4(4-0) PHM 520.
Pharmacology of the central and peripheral nervous systems. Cardiovascular, renal and gastrointestinal drugs. Endocrine and autonomic pharmacology.

554. Veterinary Pharmacology and Toxicology I
(550A.) Fall. 4(4-0) PSL 500B, PSL 500C.
Drug absorption, distribution, biotransformation, elimination, receptor theory and pharmacogenetics; chemical toxicity; autonomic nervous system, cardiovascular and renal pharmacology.

555. Veterinary Pharmacology and Toxicology II
(521A.) Winter. 5(4-2) PHM 554.
Endocrine, autonomic and central nervous system pharmacology; chemotherapy; antimicrobials, antihelmints, antineoplastics.

810. Synaptic Transmission
Spring of odd-numbered years. 4(4-0) Approval of department.
Chemical and electrical aspects of nervous impulse transmission at synaptic and neuroeffector junctions and influences of drugs upon these processes. Intrinsic neural circuitry; reticular formation; thalamus; mesocortex, cerebellum.