

Descriptions - PATHOLOGY

of

Courses

990. **Advanced Correlative Pathology**
Fall, Winter, Spring, Summer. 5(0-15)
May reenroll for a maximum of 15 credits.
Approval of department.
Experience in morphologic and clinical pathology and correlation of these with the clinical aspects of disease.

999. **Doctoral Dissertation Research**
Fall, Winter, Spring, Summer.
Variable credit. Approval of department.

PEDIATRICS PED

(Established effective January 1, 1979.)

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**
(O M 652.) Fall, Winter, Spring,
Summer. 6 or 8 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. PED 600 or approval of department.
Study in general or specialty pediatrics.

PEDIATRICS AND HUMAN DEVELOPMENT PHD

(Name changed July 1, 1979. Formerly
Department of Human Development.)

College of Human Medicine

520. **Genetics Clinic**
Fall, Winter, Spring, Summer. 1 to 3
credits. My reenroll for a maximum of 9 credits.
Students will interview and examine patients with
inheritable disorders, perform related laboratory
diagnostic procedures, and participate in genetic
counseling conferences and discussions.

531. **Medical Genetics**
Spring. 1(1-0) ANT 544 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. 5(5-0) 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.

608. **Pediatric Specialty Clerkship**
Fall, Winter, Spring, Summer. 1 to 17
credits. May reenroll for a maximum of 43
credits. H M 602; primary clerkship.
Clinical experience with pediatric patients under
the direction of members of the faculty of the
Department of Human Development and
community pediatricians. Fall, Saginaw. Winter,
Lansing. Spring, Grand Rapids. Summer, Flint.

609. **Human Development and Pediatric Sub-Specialties**
Fall, Winter, Spring, Summer. 1 to 17
credits. May reenroll for a maximum of 34
credits. H M 602.
Elected experiences in selected clinical and basic
sciences related to pediatrics and human
development.

610. **Ambulatory Pediatrics**
Fall, Winter, Spring, Summer. 1 to 12
credits. May reenroll for a maximum of 12
credits. PHD 608.
Clinical experience in outpatient and community
settings involving ongoing child health care
including chronic medical illnesses and common
behavioral problems.

611. **Infectious Diseases**
Fall, Winter, Spring, Summer. 1 to 12
credits. May reenroll for a maximum of 12
credits. PHD 608.
Combined office or clinic and inpatient
experience in evaluating and managing pediatric
patients with infectious diseases.

612. **Neonatology**
Fall, Winter, Spring, Summer. 1 to 12
credits. May reenroll for a maximum of 12
credits. PHD 608.
Clinical experience involving modern neonatal
techniques and care patterns for the sick neonate.

613. **Pediatric Cardiology**
Fall, Winter, Spring, Summer. 1 to 12
credits. May reenroll for a maximum of 12
credits. PHD 608.
Office, clinic and hospital experience in
diagnostic and therapeutic pediatric cardiology
including special diagnostic procedures.

614. **Pediatric Endocrinology and Metabolism**
Fall, Winter, Spring, Summer. 1 to 12
credits. May reenroll for a maximum of 12
credits. PHD 608.
Clinic and hospital experience in evaluating
patients with endocrine and metabolic disorders.

615. **Pediatric Hematology and Oncology**
Fall, Winter, Spring, Summer. 1 to 12
credits. May reenroll for a maximum of 12
credits. PHD 608.
Clinical experience in evaluating and managing
pediatric patients with common hematologic and
oncologic disorders.

PHARMACOLOGY AND TOXICOLOGY PHM

(Effective July 1, 1978. Formerly Department of
Pharmacology)

College of Human Medicine College of Osteopathic Medicine College of Veterinary Medicine

350. **Introductory Human Pharmacology**
Spring. 3(3-0) PSL 432 or PSL 241 or
concurrently; or approval of department.
General principles; central nervous system,
autonomic nervous system, cardiovascular and
renal drugs; chemotherapy; and other selected
basic topics.

430. **Drug Abuse**
Fall of odd-numbered years. 4(4-0)
Juniors or approval of department. Biology and
chemistry recommended.
Actions, mechanism of action, toxicity and uses of
drugs of abuse. Sociological and psychological
aspects of drug abuse and the legal aspects of the
sale and distribution of drugs are considered.

480. **Special Problems**
Fall, Winter, Spring, Summer. 1 to 3
credits. May reenroll for a maximum of 9
credits. Approval of department.
Limited amounts of individual work on selected
research problems for undergraduate students.

503. **Cell Biology**
Fall. 5(5-0) Admission to the College of
Human Medicine. Interdepartmental with the
departments of Biochemistry, Microbiology and
Public Health, and Physiology. Administered by
the Department of Microbiology and Public
Health.
Principles of cell biology for medical students.

520A. **Principles of Pharmacology**
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.

520B. **Principles of Pharmacology**
Winter. 4(4-0) PSL 500A; BCH 501.
Drug absorption, distribution, biotransformation,
elimination, antagonism; receptor theory and
pharmacogenetics. Chemotherapy:
antineoplastic, antiviral and antimicrobial agents.
Toxicology and emergency therapies.
Pharmacology related to the autonomic nervous
system.

521A. **Pharmacodynamics**
Winter. 5(4-2) PHM 520A. Primarily
for students of Veterinary Medicine.
Endocrine, autocrine and central nervous system
pharmacology; chemotherapy; antimicrobials,
anthelmintics, antineoplastics.