

PEDIATRICS PED

**Department of Pediatrics and Human Development
College of Osteopathic Medicine**

590 Special Problems in Pediatrics
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.

Experimental, theoretical, or applied problems under faculty direction.

600 Pediatrics Clerkship
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to graduate-professional students in the colleges of Osteopathic Medicine and Human Medicine upon completion of Units I and II. Practical clinical exposure in the area of pediatrics.

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; Osteopathic Medicine; 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.

619 Ambulatory Care Clerkship
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 15 credits in all enrollments for this course. Interdepartmental with Family Practice; Medicine. Administered by Department of Family Practice. RB: (FMP 602) R: Open only to graduate-professional students in College of Human Medicine.

Continuous and comprehensive patient care under supervision of appropriate physicians.

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. RB: (PED 600) R: Open only to graduate-professional students in the College of Osteopathic Medicine. Approval of department. Study in general or specialty pediatrics.

830 Concepts in Molecular Biology
Fall, Spring. 2(2-0) Interdepartmental with Medical Technology. Administered by Medical Technology Program. RB: One course in biochemistry or concurrently.

Techniques and theories of molecular biology, nucleic acid synthesis and isolation, enzymatic digestion and modification, electrophoresis, hybridization, amplification, library construction, and cloning.

851 Advanced General Pathology
Fall of even years. 3(3-0) RB: (PTH 852) concurrently. R: Approval of department. Fundamental concepts of cell injury, inflammation, and oncogenesis. Mechanisms of disease.

852 Advanced General Pathology Laboratory
Fall of even years. 1(0-2) RB: PTH 851 concurrently R: Approval of department. Histopathologic and ultrastructural study of general morphologic patterns of inflammation cell injury and neoplasm.

853 Advanced Systemic Pathology
Spring of odd years. 4(3-2) R: Approval of department. Pathological aspects of the nervous, endocrine, cardiovascular, respiratory, urinary, genital, musculoskeletal, integumentary and special sense systems.

855 Essentials of Scientific Communication
Fall of odd years. 2(2-0) R: Approval of department. Preparation, editing, and review of research manuscripts and grants. Critique of oral presentations. Illustrations of research data and thesis preparation. Philosophy and methods of research.

856 Concepts in Toxicologic Pathology
Summer of odd years. 2(2-0) R: Approval of department. Pathologic changes in tissues of animals used in toxicologic studies. Clinical pathologic assessments. Gross, histologic, and ultrastructural changes in organ systems.

857 Correlative Diagnostic Pathology
Fall, Spring, Summer. 3(0-6) R: Approval of department. Diagnosis of animal diseases by necropsy, biopsy, or clinical pathology. Correlation of diagnostic test results with history, laboratory data and morphologic findings. Compiled and formal presentation of findings.

858 Pathology of Avian Diseases
Spring of even years. 2(2-0) R: Approval of department. An overview of disease and pathology affecting domestic poultry, pet birds, and wild birds.

859 Avian Histopathology Laboratory
Spring of even years. 1(0-2) R: Approval of department. Recognition and description of microscopic lesions of avian diseases.

860 Clinical Laboratory Diagnosis of Infectious Diseases
Fall of odd years. 2(2-0) Interdepartmental with Medical Technology. Administered by Medical Technology Program. RB: (MMG 451 and MMG 464) Laboratory techniques for diagnosing infectious diseases in humans. Emphasis on differential diagnosis and correlation of microbiological results with serology, hematology, and clinical chemistry.

890 Problems in Veterinary Pathology
Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Approval of department. Faculty supervised work on an experimental, theoretical or applied problem in veterinary pathology.

891 Problems in Pathology
Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Approval of department. Faculty supervised work on an experimental, theoretical or applied problem in pathology.

892 Pathology Seminar
Fall, Spring. 1(1-0) A student may earn a maximum of 3 credits in all enrollments for this course. R: Approval of department. Presentation and discussion of current topics in pathology by departmental graduate students, faculty or outside speakers.

893 Pathology Case Discussion Seminar
Fall, Spring. 1(1-0) A student may earn a maximum of 6 credits in all enrollments for this course. RB: (DVM and ENROLPROFV) DVM degree or current enrollment as a professional veterinary student required. Utilization of a group of theme-based veterinary cases to train pathology residents and graduate students in diagnostic pathology.

899 Master's Thesis Research
Fall, Spring, Summer. 1 to 10 credits. A student may earn a maximum of 10 credits in all enrollments for this course. R: Approval of department. Master's thesis research.

901 Investigating the Lung
Fall of even years. 2(2-0) Interdepartmental with Large Animal Clinical Sciences; Physiology. Administered by Department of Large Animal Clinical Sciences. R: Open only to graduate students. Integrative biology of the lung; structure and function; molecular, cellular, and organ responses to injury.

999 Doctoral Dissertation Research
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 42 credits in all enrollments for this course. R: Admission to doctoral program in Pathology. Doctoral dissertation research.