

Pediatrics

PDRC 22. Resident in Pediatrics. 0 Credits.

Three-year program preparing candidates for examination by the American Board of Pediatrics.

PDRC 975. Pediatrics Clerkship. 0-8 Credits.

During the clinical clerkship the student develops understanding of health maintenance and disease processes specific to infants, children, and adolescents. Students will have the opportunity to gain an understanding of Pediatrics through patient interviews, physical examination, review of imaging and laboratory studies, development of assessments and plans, and a variety of other educational experiences. This clerkship will expose students to management of general pediatric subspecialty patients in both inpatient and outpatient settings. Prerequisite: Medical Basic Sciences.

PDRC 976. General Pediatrics. 2-4 Credits.

This course is a continuation of the basic pediatric clerkship for those students interested in additional pediatric experience. The program is flexible and should be arranged individually with the departmental chair. The experience may be either an inpatient or ambulatory experience or a combination of both. This experience carries with it increased responsibilities for patient care in areas selected by the student and arranged with the pediatric staff. Prerequisite: PDRC 975.

PDRC 977. Neonatology. 2-4 Credits.

The student will learn overview of neonatal medicine and develop skills and conceptual knowledge of newborns and premature infants. The student will attend X-ray conferences weekly, daily literature review, service rounds twice daily, pediatric grand rounds weekly and neonatal mortality review, as well as care for infants with special emphasis on NBICU. Prerequisite: PDRC 975.

PDRC 978. Ambulatory Pediatrics. 2-4 Credits.

This elective involves increased exposure to community and ambulatory pediatrics utilizing community resources including the pediatrician's office, the Pediatric Faculty Clinic and other community resources. The program is flexible and can be broadly based in several areas or strictly confined to one area such as a continuous experience in the office of a community pediatrician. The program will be individually arranged with the Pediatric Student Administrator. Prerequisite: PDRC 975.

PDRC 979. Medical Genetics. 2-4 Credits.

This elective is designed to give the medical student the opportunity to participate in the genetic evaluation of children with developmental delay, mental retardation, dysmorphic features or autism. By the end of the rotation the student will be familiar with common pediatric genetic syndromes and appropriate genetic testing strategy. The student will also get the opportunity to participate in telemedicine genetic clinics. Prerequisite: PDRC 975 or INMD 975.

PDRC 980. Pediatric Endocrinology. 2-4 Credits.

During the elective the student will learn diagnosis and management of endocrine problems in children. The student will participate in inpatient management, hospital and office consultation, and in clinic. Prerequisite: PDRC 975.

PDRC 982. Pediatric Hematology/Oncology. 2-4 Credits.

The student will obtain histories, do physical examinations, write progress notes, conduct in-depth consultations regarding pediatric hematology and oncology problems, and will develop skills in diagnosis and therapy of pediatric oncology patients. The student will demonstrate knowledge of various procedures, such as bone marrow aspiration, administration of chemotherapy, and intrathecal medication. Prerequisite: PDRC 975.

PDRC 984. Pediatric Allergy. 2-4 Credits.

Primarily a private office experience under the supervision of the physician, emphasizing an immunologic approach to allergy problems in pediatric patients. Prerequisite: PDRC 975.

PDRC 985. Pediatric Cardiology. 2-4 Credits.

Extensive clinical experience in children with cardiac disease will be provided. Daily pediatric cardiology ward rounds are conducted by the senior staff. Personal instruction will be given in cardiac physical diagnosis with stress on cardiovascular hemodynamics, evaluation of heart sounds and murmurs, electrocardiograms and cardiac radiology. Significant responsibility in patient management will be delegated to the student who will function as a member of the pediatric cardiology team. Opportunities may come available for participation in clinical investigative projects if the student so desires. Prerequisite: PDRC 975.

PDRC 986. Pediatric Neurology. 2-4 Credits.

The purpose of this elective is to acquaint the student with the wide spectrum of neurological diseases of infancy, childhood, and adolescence. The student will become familiar with the neurological examination of the newborn as well as the assessment of the infant and child. During the elective course the student will become actively involved in the diagnosis and treatment of seizure disorders. The student will be exposed to routine laboratory procedures such as lumbar puncture, EEG and brain scan, as well as special procedures such as arteriography and pneumoencephalography. The student will be supervised by a board certified neurologist. Prerequisite: PDRC 975.

PDRC 987. Developmental Pediatrics. 2-4 Credits.

Students will become familiar with normal developmental patterns and will demonstrate the ability to perform and interpret developmental screening tests. Students will be able to recognize aberrant patterns of development in an individual child and gain understanding of intervention services that are available for children with developmental delays. Students will be involved in the Development Clinic, Neonatal Follow-up Clinic, Heartspring (residential school for multiple handicapped children), and Rainbows United (early intervention provider for children under 5 years of age). These sites will allow the student exposure to a variety of children, with both normal development and those with behavioral and/or developmental problems.

PDRC 988. Pediatric Infectious Disease. 2-4 Credits.

This course is designed to familiarize students with infectious diseases of pediatric patients. Students will learn the rational selection of antimicrobials and their appropriate uses and recognize the reasons for failure of antimicrobial therapy. Students will learn basic immunology and both active and passive immunization. Students will learn the pathogenesis of fever and to recognize the common pediatric pathogens causing meningitis, bacteremia, respiratory tract infections, enteric infections and urinary tract infections. Students will attend outpatient clinics, daily hospital rounds on in-patients and new consultations, and daily meetings to discuss infectious disease topics. *Recommendation: Candidates for Med/Peds residency should enroll in 2 weeks of this course and 2 weeks INMD 986, (Adult) Infectious Disease.

PDRC 995. Special Topics in Pediatrics. 2-8 Credits.

This elective is designed to provide clinical and/or research experience in topics of special interest not otherwise represented in the curriculum. The student will design, in consultation with department faculty, specific objectives, reading assignments, and the mechanism for course evaluation. Student may also enroll in Special Topics for pediatric electives not available otherwise. Prerequisite: Medical Basic Sciences and Departmental consent.

PDRC 998. Pediatric Subinternship. 4 Credits.

Students will participate in pediatric case management in a comprehensive manner to enhance their knowledge, skills, attitudes, and behaviors. This will enable them to demonstrate their increasing clinical capabilities as they progress toward residency. Students will gather an accurate history and physical in a prioritized, organized manner, with respect to the patient and tailored to the clinical situation and specific patient encounter. They will develop a logical prioritized differential diagnosis as the basis for informed decisions about diagnostic and therapeutic interventions. Students will synthesize and present an evidence-based plan of care for their patients. They will describe the indications, contraindications, risks and mechanics behind procedures pertinent to the discipline of the sub-internship. Students will recommend and interpret common diagnostic and screening tests and imaging required for the area of practice. Under senior resident and/or attending supervision, students will assume the care of patients not covered by the interns. This includes documentation of clinical encounters in the patient record. Additionally, under the senior resident and/or attending supervision, discuss and enter orders and prescriptions. Students while being supervised, will give or receive patient handover to transition care responsibility. Students will be expected to manage a case load of 1-3 patients per day. Students will be required to work both day and evening shifts. Prerequisite: PDRC 975 and senior standing.