

**PEDIATRICS  
AND HUMAN  
DEVELOPMENT PHD**

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

- 526 Molecular Biology and Medical Genetics**  
Fall, 2 credits. Interdepartmental with Biochemistry and Molecular Biology. Administered by Biochemistry and Molecular Biology. R: Open only to students in the College of Human Medicine or the College of Osteopathic Medicine. SA: BCH 526 Not open to students with credit in PHD 523.  
Basic principles of human medical genetics; storage and expression of genetic information; transmission of genetic information to progeny.
- 591 Special Problems in Human Development**  
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open only to graduate-professional students in the colleges of Human and Osteopathic Medicine.  
Work under the direction of a faculty member on an experimental, theoretical, or applied problem.
- 600 Pediatric Specialty Clerkship**  
Fall, Spring, Summer. 6 to 24 credits. A student may earn a maximum of 24 credits in all enrollments for this course. RB: Completion of preclinical CHM curriculum. R: Open only to graduate-professional students in College of Human Medicine.  
Multidisciplinary approach to children and their families in a health care setting. Integrated biological, behavioral, and clinical sciences in assessing and planning children's health care needs.
- 601 Human Development and Pediatric Sub-specialties**  
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. RB: PHD 600 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.  
Experience in clinical, behavioral, and basic sciences related to pediatrics and human development.
- 602 Ambulatory Pediatric Clerkship**  
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. RB: PHD 600 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.  
Clinical experience in outpatient and community setting involving ongoing child health care.
- 603 Pediatric Infectious Diseases Clerkship**  
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. RB: PHD 600 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.  
Office, clinic, and inpatient experiences in evaluating and managing pediatric patients with infectious diseases. Interpretation and use of clinical laboratory data.

- 604 Neonatology**  
Fall, Spring, Summer. 6 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course. RB: PHD 600 R: Open only to graduate-professional students in College of Human Medicine.  
Clinical experiences: modern neonatal techniques and care patterns for neonates including follow up.
- 605 Pediatric Cardiology Clerkship**  
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. RB: PHD 600 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.  
Office, clinic, and hospital experience in diagnostic and therapeutic pediatric cardiology including special diagnostic procedures.
- 606 Pediatric Endocrinology and Metabolism Clerkship**  
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. RB: PHD 600 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.  
Clinic and hospital experience in evaluating pediatric patients with endocrine and metabolic disorders.
- 607 Pediatric Hematology and Oncology Clerkship**  
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. RB: PHD 600 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.  
Clinical experience in evaluating and managing pediatric patients with common hematologic and oncologic disorders.
- 608 Pediatric Pulmonary Disease Clerkship**  
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. RB: PHD 600 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.  
Inpatient and outpatient clinical experiences in evaluating and managing pediatric patients with pulmonary disease. Diagnostic procedures, pathobiology of pulmonary system, current research.
- 609 Pediatric Genetics Clerkship**  
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. RB: PHD 600 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.  
Prenatal and developmental history taking. Identification of genetically determined conditions and major and minor anomalies. Use of genetic databases. Family counseling. Selection and interpretation of genetic tests.
- 610 Pediatric Allergy-Immunology Clerkship**  
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. RB: HM 556 or PHD 600 R: Open to graduate-professional students in the College of Human Medicine.  
Pathophysiology and evaluation of various atopic and immunologic disorders in pediatric patients.

- 611 Pediatric Critical Care Medicine Clerkship**  
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. RB: PHD 600 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.  
Clinical experience in pediatric critical care medicine including respiratory, acid/base, infectious disease etiologies.
- 612 Pediatric Gastroenterology Clerkship**  
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. RB: PHD 600 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.  
Clinical experience in the outpatient and inpatient evaluation and management of pediatric gastrointestinal disease.
- 613 Pediatric Emergency Medicine Clerkship**  
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. RB: PHD 600 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.  
Assessment and management of pediatric patients in the emergency care setting.
- 614 Pediatric Nephrology Clerkship**  
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. RB: PHD 600 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.  
Clinical experience in the outpatient and inpatient settings in assessment and management of children with renal disease.
- 615 Pediatric Neurology Clerkship**  
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. RB: PHD 600 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.  
Clinical care of children with neurological disease in inpatient and outpatient settings.
- 616 Pediatric Physical Medicine and Rehabilitation Clerkship**  
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. RB: PHD 600 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.  
Clinical experience working with children with acute and chronic disabilities
- 617 Pediatric Adolescent Medicine Clerkship**  
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. RB: PHD 600 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.  
Clinical experience and psychosocial dimensions of adolescent medical care in inpatient or outpatient settings.

## PHD—Pediatrics and Human Development

### 618 Pediatrics Sub-Internship

Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. RB: PHD 600 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.

Clinical experience in which students take primary responsibility for managing the care of pediatric patients under the supervision of senior residents and/or attending physicians.

### 619 Pediatric Hospital Medicine Clerkship

Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. RB: PHD 600 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.

Clinical experience in pediatric medicine in the inpatient setting. Common and uncommon conditions.

### 620 Child Abuse Pediatric Clerkship

Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. RB: PHD 600 or HM 556 R: Open to graduate-professional students in the College of Human Medicine.

Clinical assessment and care of children at risk for violence, abuse or neglect in outpatient or inpatient settings.

### 621 Pediatric Rheumatology Clerkship

Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. RB: HM 556 or PHD 600 R: Open to graduate-professional students in the College of Human Medicine.

Pathophysiology and evaluation of pediatric rheumatology patients. Multidisciplinary care of children with chronic rheumatologic diseases.

### 633 Extended Clinical Experience

Fall, Spring, Summer. 6(6-0) P: PHD 600

Interviewing skills, history, physical exam, problem solving and therapy in community hospitals and ambulatory sites.

### 641 Pediatric Subinternship in the Late Clinical Experience

Fall, Spring, Summer. 6 credits. P: HM 556 R: Open to graduate-professional students in the College of Human Medicine.

Clinical experience in which students take primary responsibility for managing the care of pediatric patients under the supervision of senior residents and/or attending physicians.

### 643 Pediatric Critical Care

Fall, Spring, Summer. 6 credits. P: PHD 641 R: Open to graduate-professional students in the College of Human Medicine.

Hospital-based clinical experience in evaluating and managing acutely ill pediatric patients.

### 644 Pediatric Subinternship in the Late Clinical Experience Remediation

Fall, Spring, Summer. 3(3-0) P: PHD 641 R: Open to graduate-professional students in the College of Human Medicine.

Interviewing skills, history, physical exam, problem solving and therapy based in community hospitals and/or ambulatory sites.