Child Health (CH_HTH)

**CH_HTH 6000: Child Health Clerkship**
Students have the opportunity to learn about common illnesses and abnormalities in children. Emphasis also is placed on the importance of preventive and developmental aspects of child care. Lectures and case presentations correlate with the clinical experiences.

**Credit Hours:** 8

**CH_HTH 6010: Rural Child Health Clerkship**
Rural Child Health Clerkship

**Credit Hours:** 8

**CH_HTH 6020: Springfield Child Health Clerkship**
Students have the opportunity to learn about common illnesses and abnormalities in children. Emphasis also is placed on the importance of preventive and developmental aspects of child care. Lectures and case presentations correlate with the clinical experiences.

**Credit Hours:** 8

**Prerequisites:** Successful completion of the first two years of medical school

**CH_HTH 6037: SCC Pediatric Intensive Care**
Student will learn the initial approach and daily management of children requiring care in the Pediatric Intensive Care Unit. Students will learn the evaluation of and the management of critically ill or injured children focusing on airway and pulmonary physiology, cardiac physiology, neurological diseases, traumatic injuries, acute overdoses, endocrine emergencies, basic fluid management, and the medically complex child. Pharmacologic and nutritional management of the critically ill or injured child will also be reviewed.

**Credit Hours:** 5

**Prerequisites:** Successful completion of 5 of the 7 core clerkships. One of the 5 must be the Child Health clerkship. CH_HTH 6000, 6010, 6020, or 6100

**CH_HTH 6100: Remediation Child Health Clerkship**
Enrolled students are those who received an unsatisfactory grade in a Child Health Clerkship at any Mizzou Med location or site. This course gives them the opportunity to rectify a deficiency.

**Credit Hours:** 8

**Prerequisites:** CH_HTH 6000 Child Health Clerkship, received unsatisfactory grade

**CH_HTH 6221: Advanced Biomedical Science Medicine Problem Premature Infant**
Advanced Biomedical Science Medicine Problem Premature Infant

**Credit Hours:** 5

**CH_HTH 6223: ABS Child Health Research**
ABS Child Health Research

**Credit Hour:** 5-10

**CH_HTH 6225: ABS Child Health Research and Review**
ABS Child Health Research and Review

**Credit Hour:** 5-10

**CH_HTH 6245: Child Health Genetics**
Goals/Objectives: To develop an understanding of medical genetics, including genetic diagnosis, cytogenetics, metabolic genetic diseases, teratology, and the genetics literature, and computer databases. CURRICULUM: During the block, each student will see patients in consultation and in the genetics clinics (general genetics, metabolic, PKU, autism, Down Syndrome, outreach) where they will work up the patients and prepare a report and discussion of the diagnosis or diagnostic differential. Each student will also prepare a literature review around a specific patient or problem. For interested students, cytogenetics or metabolic problems are available. Prerequisites: Child Health clerkship

**Credit Hours:** 5

**CH_HTH 6246: Child Health Infectious Disease**
Child Health Infectious Disease

**Credit Hours:** 5

**CH_HTH 6247: Pediatric Hematology/Oncology**
Pediatric Hematology/Oncology

**Credit Hours:** 5

**CH_HTH 6248: Pediatric Diabetes and Endocrinology**
Goals/Objectives: 1) To understand the pathophysiology of endocrine and metabolic diseases in childhood. 2) To understand the fundamentals of growth processes in infancy, childhood, and adolescence. CURRICULUM: The Department of Child Health has a large patient care and research program for children with diabetes mellitus. In addition, the Department has a busy general endocrinology program. Thus, students on the elective can participate in the care of patients with a wide spectrum of endocrine and metabolic diseases. Students can carry out specific clinical or laboratory projects relating to specific aspects of either diabetes or endocrine disease, deepen their understanding of pathophysiology of disease and gain a better understanding of the impact of a chronic disorder on the child and his/her family.

**Credit Hours:** 5

**Prerequisites:** Child Health Clerkship

**CH_HTH 6249: Developmental Pediatrics**
Developmental Pediatrics

**Credit Hours:** 5

**CH_HTH 6420: Pediatric Cardiology**
Goals/Objectives: Clinical and laboratory material is available to achieve the following objectives: 1) Develop skills in auscultation, resuscitation, treatment of congestive heart failure, and recognition of congenital heart disease in infants. 2) Adequate exposure to pediatric electrocardiography, echocardiography, cineangiography, and interpretation of cardiac catheterization data. 3) Proficiency in the management of postoperative cardio-vascular patients.

**Credit Hours:** 5
Prerequisites: Child Health Clerkship

CH_HTH 6431: Pediatric Pulmonology
Goals/Objectives: To gain experience in the treatment of asthma, bronchopulmonary dysplasia, cystic fibrosis, sleep disorders, and other respiratory diseases and to learn about pulmonary function testing in children.

Credit Hours: 5
Prerequisites: Child Health Clerkship

CH_HTH 6432: Pediatric Gastroenterology
Goals/Objectives: 1) Gain experience in GI diseases of children noting the difference and similarities with adult diseases. 2) To introduce the student to some of the most commonly encountered diagnoses in pediatrics and to its management. 3) To learn to focus on physical diagnosis skills. CURRICULUM: Preceptorship with a pediatric subspecialist for four weeks will include inpatient and outpatient service activities.

Credit Hours: 5
Prerequisites: Child Health Clerkship

CH_HTH 6433: Child Health Sports Medicine
Child Health Sports Medicine
Credit Hours: 5

CH_HTH 6434: Child Adolescent Medicine
Goals/Objectives: To teach 4th year students the intricacies of care of the adolescent patient. Specifically, the rotation will address the adolescent interview, important considerations in the adolescent “check-up”, and managing the varied problems in adolescents, from attention deficit disorder to eating disorders and gynecological issues. The student will leave the rotation with a better understanding of the care of adolescents. CURRICULUM: These objectives will be met in the following manner: 1) Student will actively participate in adolescent medicine clinic with both clinical attendings. He/she will be responsible for the initial evaluation of the patients in the clinic, will actively participate in clinical decision-making, and will be responsible for helping with patient write-ups and referral letters (at the discretion of the attending). The student will be expected to function on an extern level, following up on laboratory evaluations and checking in with patients seen, when needed. 2) The student will participate in the adolescent interview practice sessions with the interact teen theatre with the residents on the rotation. This process will help to improve interviewing skills with adolescents. 3) The student will be responsible for helping with any inpatient care, including consultations and/or admissions. 4) The student will be asked to identify particular areas of interest to be used as topics for interactive discussion with one of the attendings or for a short paper.

Credit Hours: 5
Prerequisites: Child Health Clerkship

CH_HTH 6435: Ped Renal and Rheumatology
4th year elective for renal/rheumatology rotation, four weeks.

Credit Hours: 5
Prerequisites: 3rd year Pediatrics/Child Health or Internal Medicine rotation

CH_HTH 6706: Internal Medicine Hematology and Medical Oncology Rural Elective
The student will work as part of a team providing hands-on clinical services in a rural outpatient setting. Students will participate in daily morning report and other didactic sessions provided by the rotation site. Students will learn using a variety of evidence-based resources, direct observations and demonstration.

Credit Hours: 5
Prerequisites: CH_HTH 6002; restricted to medical students only

CH_HTH 6725: Developmental Pediatrics - Rural
Rural developmental pediatrics general elective.

Credit Hours: 5
Prerequisites: CH_HTH 6000; Restricted to fourth year medical students

CH_HTH 6726: Child Health Rural Elective
Students will enhance their knowledge about patient-centered care of children through active participation in a primarily outpatient clinical experience. Limited inpatient experience may be offered as well.

Credit Hours: 5
Prerequisites: CH_HTH 6000; restricted to medical students only

CH_HTH 6825: General Child Health - Inpatient
Goals/Objectives: To provide additional experience in general pediatrics in inpatient care. CURRICULUM: The student will function as a member of the house staff team assuming many of the roles of the first year resident in patient care. This includes working up of patient’s management plans, rounding, staffing, conferences, etc. Night coverage with supervision is included.

Credit Hours: 5
Prerequisites: Child Health Clerkship

CH_HTH 6826: General Child Health - Outpatient
Goals/Objectives: To provide additional experience in general pediatrics in outpatient care. CURRICULUM: The student will function as a member of the healthcare team. This includes taking histories, performing physical exams, and working up patient management plans. This may require working evening clinic and Saturday clinic in addition to regular daytime clinics.

Credit Hours: 5
Prerequisites: Child Health Clerkship

CH_HTH 6827: Neonatology/Neonatal Intensive Care Unit
Goals/Objectives: To gain experience: 1) in the evaluation, diagnosis, and management of sick newborns, and 2) in the performance of specialized procedures necessary for ICU care. CURRICULUM: The student will function as a first-year house officer, with his/her own neonatal ICU patients for initial work-up and management, under the supervision of the PL-2 or PL-3 and attending staff. (rotation at Columbia Regional Hospital)

Credit Hours: 5
Prerequisites: Child Health Clerkship
CH_HTH 6828: Pediatric Intensive Care Unit
Goals/Objectives: 1) To provide the student with the initial approach and management of children requiring care in the Pediatric Intensive Care Unit. 2) To provide the student with the basics of airway management in children. 3) To provide the student with an understanding of the preoperative assessment with preparation of pediatric patients. 4) To provide the student with an introduction to the perioperative management of common pediatric surgical problems. CURRICULUM: Students in this elective will spend time in both the Pediatric ICU and the operating rooms. They will be required to participate in daily rounds in the PICU and follow the medical/surgical patients admitted to the PICU.

Credit Hours: 5
Prerequisites: Child Health Clerkship

CH_HTH 6829: Pediatric Neurology
Pediatric Neurology

Credit Hours: 5

CH_HTH 6912: Introduction to Adolescent Medicine
The rotation is primarily an outpatient experience, though the student may be asked to do inpatient consultations with the attending physician on service. In addition to learning and practicing primary care of adolescent patients the elective will present an in-depth experience of adolescent medicine as a subspecialty, including, but not limited to, conditions such as eating disorders, disorders of puberty and menstruation, obesity, ADHD, and substance abuse. Additional teaching methods used include a pre-post test, lectures, and readings relevant to adolescent medicine. Completion of the Child Health Clerkship: CH_HTH 6000 and CH_HTH 6010.

Credit Hours: 2
Prerequisites: Successful completion of the first two years of medical school

CH_HTH 6913: Introduction to Pediatric Endocrinology
The rotation is primarily an outpatient experience, though the student may be asked to do inpatient consultations with the attending physician on service. The elective will present an in-depth experience of diabetes/endocrinology as a subspecialty, including, but not limited to, exposure to disorders in growth and puberty, obesity, abnormalities in thyroid function and managing blood glucose levels in patients with type 1 diabetes. Additional teaching methods used may include lectures and readings relevant to this subspecialty.

Credit Hours: 2
Prerequisites: Successful completion of the first two years of medical school
Recommended: Completion of the Child Health Clerkship (CH_HTH 6000 or CH_HTH 6010) is suggested but not required