

Pediatrics (PEDI)

Course information contained within the Bulletin is accurate at the time of publication in July 2024 but is subject to change. For the most up-to-date course information, please refer to the Course Catalog.

PEDI M201. Introductory Elective. 0 Credit Hours.

This generic first and second year Pediatric elective serves as an introduction to a special topic in the Department of Pediatrics. Topics vary from semester to semester and may include an extension of a content area already covered in the required curriculum, an introduction to a new topic or research issue, or exposure to a clinical discipline. First and second year electives are optional and do not impact graduation requirements. Electives are scheduled for seven two-hour sessions each, for a total of fourteen contact hours. Student interest and faculty availability determine topics offered each semester.

PEDI M272. Ambulatory Pediatrics. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PEDI M273. Intro to Adolescent Med. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PEDI M274. Intro to Pediatrics. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PEDI M280. Neonatology. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PEDI M300. Pediatric Elective. 0 Credit Hours.

This course will enable students to develop a basic understanding of the fund of knowledge and types of medical problems seen in this specialty; to develop a basic understanding of the medical decision making process involved in the practice; and to develop an understanding of and practice of medical interpersonal communication and professionalism.

Repeatability: This course may be repeated for additional credit.

PEDI M330. Pediatrics. 0 Credit Hours.

The Pediatrics clerkship is a 5-week rotation, during which students learn about pediatric health maintenance and are exposed to common pediatric medical problems and their treatment. Students rotate in the inpatient and outpatient settings, where they develop their medical knowledge and understanding of the pathophysiologic principles of disease and apply this knowledge to the clinical cases they encounter. They learn to perform a thorough and accurate physical examination on an infant, child, and adolescent. They learn to develop a differential diagnosis and basic treatment plan for pediatric patients. They develop interpersonal skills that build rapport and empathy and become competent in communicating with patients and their families across socioeconomic, ethnic, and cultural boundaries.

Course Attributes: M7

Repeatability: This course may not be repeated for additional credits.

PEDI M418. Application of Data Science to Clinical Medicine and Medical Research. 0 Credit Hours.

Data science, at the intersection of statistics and computer science, provides cutting edge tools for analyzing large data sets to provide predictive and causal models. These tools have been used extensively in the fields of econometrics and advertising (e.g. Google and Facebook); the application of data science to medicine is in its infancy, however, with the increasing availability of large clinical data sets, the opportunity to mine these sets for information has never been greater. While software engineers and applied mathematicians have the skills to use and develop these tools, they lack the content expertise needed to apply this knowledge to medicine. The purpose of this course is to provide medical students, graduate students, and medical researchers an opportunity to develop sufficient skills in modern data science to carryout research using large databases. It is assumed that the student has no training beyond introductory courses in statistics and/or epidemiology; no significant programming experience is required.

Repeatability: This course may be repeated for additional credit.

PEDI M610. Pediatric Hematology. 0 Credit Hours.

This clinical elective provides students with the opportunity to see both inpatients and outpatients with common and interesting hematologic diseases. Detailed pathophysiology, available clinical and diagnostic studies, recent advances in therapy and molecular diagnosis, as well as specialized studies will be covered. The purpose of enrolling patients on therapeutic randomized protocols will be addressed. Students will see patients with common diseases such as anemia (the most common referral to Hematology Clinic), bleeding diathesis focusing on Von Willebrand Disease (the most common coagulopathy), sickle cell disease, and neutropenia in childhood. They will get experience with chronic hematologic disease and learn overall management strategies.

Repeatability: This course may not be repeated for additional credits.

Pre-requisites: Minimum grade of P in INTM M301, OBGY M320, PEDI M330, PSYM M340, SURG M350, NEUR M370, and FAMP M360.

PEDI M629. Pediatric Oncology. 0 Credit Hours.

This clinical elective exposes students to all aspects of outpatient pediatric oncology. Time will be spent primarily in the outpatient clinic, seeing patients with faculty members. Detailed pathophysiology, available clinical and diagnostic studies, recent advances in therapy and molecular diagnosis, as well as specialized studies will be covered. Students will see patients with common pediatric oncologic conditions such as acute lymphoblastic leukemia and other common malignancies of childhood. They will participate in the management of chemotherapy and associated side effects. They will learn how to identify and manage oncologic emergencies (tumor lysis syndrome, etc.). Survivorship and chronic disease overall management strategies will be covered.

Repeatability: This course may not be repeated for additional credits.

Pre-requisites: Minimum grade of P in INTM M301, OBGY M320, PEDI M330, PSYM M340, SURG M350, NEUR M370, and FAMP M360.

PEDI M649. Pediatric Gastroenterology. 0 Credit Hours.

Course Attributes: M2

PEDI M670. Pediatric Emergency Medicine. 0 Credit Hours.

Course Attributes: M2

PEDI M671. General Pediatrics/Inpatient. 0 Credit Hours.

Course Attributes: M2

PEDI M672. General Pediatrics/Ambulatory. 0 Credit Hours.

Course Attributes: M2

PEDI M673. Pediatric Allergy. 0 Credit Hours.

Course Attributes: M2

PEDI M674. Pediatric Anesthesiology. 0 Credit Hours.

Course Attributes: M2

PEDI M675. Pediatric Cardiology. 0 Credit Hours.

Course Attributes: M2

PEDI M676. Pediatric Endocrinology. 0 Credit Hours.

This elective is a clinical consultation experience that focuses on the diagnosis and management of children with a wide variety of endocrine diseases. The student functions as the primary consultant, participates in the daily clinical rounds, lectures, journal clubs, and presents a seminar during the rotation.

Course Attributes: M2

Repeatability: This course may not be repeated for additional credits.

Pre-requisites: Minimum grade of P in INTM M301, OBGY M320, PEDI M330, PSYM M340, SURG M350, NEUR M370, and FAMP M360.

PEDI M677. Adolescent Medicine. 0 Credit Hours.

Course Attributes: M2

PEDI M678. Pediatric Subspecialties. 0 Credit Hours.

This clinical elective provides students the opportunity to gain experience in treating patients within various pediatric specialties, depending on interest - options to work in endocrinology, nephrology, neurology, cardiology, gastroenterology, pulmonology, developmental pediatrics, or behavioral health. Students can work in multiple specialties or just one, but this is dependent on the availability of attending physicians (each specialty office has limited space for students, and timing must be worked out in advance). Electives are generally in the ambulatory setting, but some inpatient consults may be included as well.

Course Attributes: M2

Repeatability: This course may not be repeated for additional credits.

Pre-requisites: Minimum grade of P in INTM M301, OBGY M320, PEDI M330, PSYM M340, SURG M350, NEUR M370, and FAMP M360.

PEDI M679. Pediatric Surgery. 0 Credit Hours.

Course Attributes: M2

PEDI M681. Pediatric Immunology(HIV/AIDS). 0 Credit Hours.

Course Attributes: M2

PEDI M682. Pediatric Infectious Diseases. 0 Credit Hours.

Course Attributes: M2

PEDI M683. Pediatric Rheumatology. 0 Credit Hours.

Course Attributes: M2

PEDI M685. Neonatal ICU (ICN) - Critical Care. 0 Credit Hours.

The required critical care course will introduce students to the management of critically ill patients. Students are expected to follow their patients' progress and contribute to their care with supervision. Students will observe and assist as possible in procedures being performed in the ICU. Students will obtain exposure to assisted ventilation, palliative and end-of-life care.

Course Attributes: M2

Pre-requisites: Minimum grade of P in INTM M301, OBGY M320, PEDI M330, PSYM M340, SURG M350, NEUR M370, and FAMP M360.

PEDI M686. Child Maltreat & Neglect. 0 Credit Hours.

Course Attributes: M2

Repeatability: This course may not be repeated for additional credits.

PEDI M689. Pediatric Pulmonary. 0 Credit Hours.

Course Attributes: M2

PEDI M690. Pediatric ICU (PICU) - Critical Care. 0 Credit Hours.

The required critical care course will introduce students to the management of critically ill pediatric patients. Students are expected to follow their patients' progress and contribute to their care with supervision. Students will observe and assist as possible in procedures being performed in the ICU. Students will obtain exposure to assisted ventilation, palliative, and end-of-life care.

Repeatability: This course may not be repeated for additional credits.

Pre-requisites: Minimum grade of P in INTM M301, OBGY M320, PEDI M330, PSYM M340, SURG M350, NEUR M370, and FAMP M360.

PEDI M691. Community Pediatric Health. 0 Credit Hours.

This clinical elective is primarily for the student who is interested in pursuing a residency in pediatrics. Students will have the opportunity to participate in pediatric care in several different community settings that may include private practice, clinic practice, and home visits.

Repeatability: This course may not be repeated for additional credits.

Pre-requisites: Minimum grade of P in INTM M301, OBGY M320, PEDI M330, PSYM M340, SURG M350, NEUR M370, and FAMP M360.

PEDI M694. Ped Plastic & Recon Surgery. 0 Credit Hours.

Course Attributes: M2

Repeatability: This course may not be repeated for additional credits.

PEDI M695. Pediatric Neurology. 0 Credit Hours.

A 4-week clinical rotation at St. Christopher's Hospital for Children (Philadelphia, PA) providing the student with direct patient care experience and participation in didactic and discussion sessions related to the spectrum of neurological disorders in children and young adults.

Course Attributes: M2

Repeatability: This course may be repeated for additional credit.

PEDI M697. Pediatric Orthopedic Surgery. 0 Credit Hours.

This elective is a clinical exposure to the spectrum of orthopedic problems in children and adolescents. Students will participate in the evaluation and management of pediatric patients presenting with orthopedic conditions in the outpatient office, emergency room, and operating room.

Repeatability: This course may not be repeated for additional credits.

Pre-requisites: Minimum grade of P in INTM M301, OBGY M320, PEDI M330, PSYM M340, SURG M350, NEUR M370, and FAMP M360.

PEDI M698. Pediatrics. 0 Credit Hours.

Course Attributes: M2

Repeatability: This course may not be repeated for additional credits.

PEDI M700. Outpatient Pediatric Sub-I. 0 Credit Hours.

This course is an advanced pediatric outpatient experience. The student will work with the house staff in caring for outpatients and has responsibility for participating in the management of these patients.

Repeatability: This course may be repeated for additional credit.

PEDI M860. Pediatrics Subinternship. 0 Credit Hours.

The required Sub-Internship (Sub-I) core course will provide students with the opportunity to perform the clinical duties of a discipline-specific intern with direct supervision. Students will take primary responsibility for assigned patients, prioritize and complete tasks in a logical and efficient order, and apply evidence-based medicine (EBM) principles in the diagnosis and management of patient care, all under direct supervision. Students will assist in relevant procedures for their assigned patients under the direct supervision of a resident, fellow, or attending.

Course Attributes: M1

Repeatability: This course may not be repeated for additional credits.

Pre-requisites: Minimum grade of P in INTM M301, OBGY M320, PEDI M330, PSYM M340, SURG M350, NEUR M370, and FAMP M360.