

# Neonatology

PE 485.99

## General Information

**COURSE CHAIRS:** Deepti Mathur, MD

**STUDENT COORDINATOR:** Calvin Lee

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**E-MAIL:** [Calvin.Lee2@cshs.org](mailto:Calvin.Lee2@cshs.org)

**STUDENTS / PERIOD:** max 2

**DURATION:** 3 weeks

**Please contact the Student Program Coordinator for other arrangements**

Please visit our [VSLO](#) catalog for dates and to submit your application.

## Description

The Neonatal Intensive Care Unit (NICU) is a 45- bed unit. The student will have the opportunity to learn evaluation and management of preterm and term infants with a variety of medical and surgical diagnoses. The student will work on the teaching team with Neonatology faculty and fellow. This will include daily rounds, multidisciplinary discharge rounds, perinatal meetings with obstetrics staff, and prenatal consultations. This experience includes participation in several educational activities within the NICU and the Department of Pediatrics Grand Rounds and Case Conferences.

## Course Objectives

1. Demonstrate understanding of normal physiology of term and preterm neonates
2. Become competent at examining newborns of varying gestational ages and acuity
3. Understand the pathophysiology common neonatal disease
4. Understand management of the critically ill neonate, including interpretation of labs and imaging
5. Demonstrate the ability to communicate effectively with the NICU team, subspecialists, and parents of patients

## Student Experiences

### COMMON PROBLEMS/DISEASES

- Prematurity
- Respiratory Distress in the newborn
- Respiratory Distress Syndrome
- Evaluation of suspected early and late onset sepsis
- Hypoglycemia
- Hyperbilirubinemia
- Congenital anomalies

**INPATIENT:** 100%

**PRIMARY CARE:** 100%

### CLOSE CONTACT WITH

- Full-Time Faculty
- Fellows
- Social worker, dietitian, lactation consultants, OT/PT

## Neonatology

### Typical Schedule

Approx. # of Patients Evaluated/Week by Student	7
Approx. # of Patients Eval./Each Week by Service	30
Typical Monday	8:00 am - 12:00 pm: Morning sign out and bedside rounds 12:15 pm: Pediatrics noon conference 1:30 pm: Discharge planning rounds 2 pm to 4 pm: patient care and educational activities 4 pm: Afternoon sign out
Typical Tuesday	8:00 am - 12:00 pm: Morning sign out and bedside rounds 1:15 pm to 4 pm: patient care educational activities 4 pm: Afternoon sign out
Typical Wednesday	8:00 am - 12:00 pm: Morning sign out and bedside rounds 12:15 pm: Pediatrics noon conference 1:15 pm to 4pm: patient care educational activities 4pm: Afternoon sign out
Typical Thursday	8:00 am: Pediatric Grand Rounds or Case Conference 9:00 am - 12:00 pm: Bedside rounds 1:15 pm to 4pm: patient care and educational activities 4pm: Afternoon sign out
Typical Friday	8:00 am - 12:00 pm: Morning sign out and bedside rounds 12:15 pm: Pediatrics noon conference 1:15 pm to 4 pm: patient care and educational activities 4pm: Afternoon sign out
On-Call Schedule	NONE
Weekend Activities	NONE
Additional Comments/Special Requirements	Student to present one Neonatal lecture at the end of the rotation