

2025-2026 Catalog

Neonatology - Jacksonville

PED E 8J | 4th Year Elective | Pediatrics | Clinical Science | Jacksonville

MDT 7400 | Neonatology Jacksonville

Course Description

Learning comprehensive management of normal and critically ill neonates by assuming primary responsibility for their care including, but not limited to, the history and physical examination, formulating differential diagnoses and management, writing orders, arranging consultation and follow-up care, discussing plan with parents and other staff members, and conducting quality improvement and safety practices.

Course Faculty and Staff

- [Sanket Shah MD](#) (Director)
- [Dani Brown](#) (Course Staff)
- [Jennifer R. Hamilton BA](#) (Course Staff)
- [Ashley Volz](#) (Course Staff)
- [Frank J Genuardi MD, MPH](#) (Other Faculty)
- [Orlyn Claire Y Lavilla MD](#) (Other Faculty)

Meeting Place and Time

Student will receive a welcome email with reporting instructions 1 week prior to course start from Frany Lusad (frances.lusad@jax.ufl.edu).

NICU: 6th floor, UF Health Jacksonville

Course Materials

Avery's Neonatology
Fanaroff and Martin- Diseases of the Fetus and Infant
NICU Survival Guide

Additional Information

Students will be assigned to the NICU at UF Health Jacksonville.

Grading scale: Satisfactory/Unsatisfactory

Classes Offered

Period	Length	Credits	(Avail / Max) Slots
Period 1	4 Weeks (May 12 - Jun 8)	4	(2 / 2)
Period 2	4 Weeks (Jun 9 - Jul 6)	4	(2 / 2)

Period	Length	Credits	(Avail / Max) Slots
Period 3	4 Weeks (Jul 7 - Aug 3)	4	(2 / 2)
Period 4	4 Weeks (Aug 4 - Aug 31)	4	(2 / 2)
Period 5	4 Weeks (Sep 1 - Sep 28)	4	(2 / 2)
Period 6	4 Weeks (Sep 29 - Oct 26)	4	(2 / 2)
Period 7	4 Weeks (Oct 27 - Nov 23)	4	(2 / 2)
Period 8	4 Weeks (Nov 24 - Dec 21)	4	(2 / 2)
Period 9	4 Weeks (Jan 5 - Feb 1)	4	(2 / 2)
Period 10	4 Weeks (Feb 2 - Mar 1)	4	(2 / 2)
Period 11	4 Weeks (Mar 2 - Mar 29)	4	(2 / 2)
Period 12	4 Weeks (Mar 30 - Apr 26)	4	(2 / 2)
Period 13	4 Weeks (Apr 27 - May 24)	4	(2 / 2)

Evaluated Competencies

#1 Professionalism

Educational Objectives: Student will demonstrate professional behavior in interactions with parents; medical team members; and other health care staff.

Method of Evaluation: Preceptor evaluation.

#2 Patient Care

Educational Objectives: Student will be expected to demonstrate competency in obtaining medical history; accession of laboratory data; performance of physical examination; indications for and use of appropriate laboratory and other studies; interpretation of data; development of probable or differential diagnoses; and formulation of management plans and preparation of admitting notes; progress notes; and discharge summaries.

Method of Evaluation: Preceptor observation.

#3 Medical Knowledge

Educational Objectives: Medical knowledge will be expected at the general pediatric level for a senior student. Development of specialized knowledge in complications of neonatal disorders is expected with the purpose of developing a better understanding and ability to identify problems in the neonate that could indicate the need for referral to a neonatal center or specialist. A secondary expected benefit is the development of expanded competency in management of

problems which are common to all pediatric age groups; i.e. fluid and electrolyte balance; nutrition evaluation and management; recognition and treatment of critical problems such as airway management; resuscitation; blood gas interpretation; shock; glucose stabilization; and critical care monitoring techniques.

Method of Evaluation: Preceptor observation.

#4 Practice-Based Learning

Educational Objectives: Student will be expected to read and discuss reference literature pertinent to common medical problems of the premature infant and specific complications encountered with assigned patients on the rotation.

Method of Evaluation: Preceptor observation.

#5 Interpersonal and Communication Skills

Educational Objectives: Student will be expected to communicate effectively with parents; medical team members; and other health care staff.

Method of Evaluation: Preceptor observation.