

2024-2025 Catalog

ANS R 1J-Neuro ICU Gville/Anesthesiology & Critical Care Clerkship-Jax

ANS R 1J | 4th Year Required | Anesthesiology | Clinical Science | Jacksonville

MDC 7700 | Neuro ICU Gville/Crit Care Jax

[Download Course Syllabus](#)

Prerequisites

4th year UF Medical Student (Course not offered to non-UF students)

NOTE:

The Neuro ICU portion of this course will be completed the first two weeks of the rotation in Gainesville, followed by the Anesthesiology portion in Jacksonville.

Course Description

The clerkship is divided into two blocks: Anesthesiology and Critical Care Medicine. This is a four-week clerkship that will challenge medical students to manage patients undergoing surgical procedures as well as those being cared for in the Intensive Care Unit. The Critical Care two-week block in Gainesville will ask students to treat critically ill patients and implement the necessary interventions for stabilization and management. Students are expected to critically examine the perioperative process as well as learn the fundamental procedures that are coupled to it. Those procedures include, but are not limited to, airway management, invasive hemodynamic monitors, Intravenous fluid replacement and the use of vasoactive medications. The education begins with modules that each student must complete prior to the corresponding didactic session. The formal didactics tests critical thinking skills that will be exercised by simulation and problem-based learning discussions.

The Anesthesia portion of the rotation in Jacksonville will consist of being paired with anesthesia residents or CRNAs, in the main OR setting, the preoperative block room, or on the labor and delivery floor. Students are expected to arrive daily by 6:45 am in order to obtain their room or anesthesia provider assignments. Students must prepare for each operative case by researching the patient, the comorbidities, and operation. OR start time is 7:15 am daily. Wednesdays are the resident education day, and students are to attend the morning grand rounds as well as the resident lectures. Medical student specific lectures will be given throughout their two-week rotation, to be conducted by assigned attendings and/or residents.

Course Faculty and Staff

- [Adrienne Warrick MD](#) (Co-Director)
- [Christopher Giordano MD](#) (Co-Director)
- [Jennifer Krolikowski](#) (Course Staff)
- [Dani Brown](#) (Course Staff)
- [Sarah Bloom](#) (Course Staff)
- [Tammy Bleeker](#) (Course Staff)
- [Jennifer R. Hamilton BA](#) (Course Staff)
- [Katherine Kimball](#) (Course Staff)

Meeting Place and Time

Gainesville: Course Lectures/Labs will be held in the Harrell Medical Education

Jacksonville: Day 1: 2nd fl located by the gold elevators. Report to Jennifer Krolikowski, jennifer.krolikowski@jax.ufl.edu (see more info in "other notes for students").

Course Materials

Gainesville:

Recommended textbooks:

1. Essential Anesthesia: From Science to Practice; Book by Gravenstein, J. S and Euliano, Tammy
2. Civetta, Taylor, & Kirby's Critical Care Medicine, 5th edition; Book by A. Joseph Layon; Andrea Gabrielli; Mihae Yu; Kenneth E. Wood
3. MILLER'S ANESTHESIA, 7th edition; Book by: Miller, Ronald
4. The ICU book, 4th edition; Book by Marino, Paul L.
5. Morgan & Mikhail's Clinical Anesthesiology, 5th edition; Book by Mackey, David C., Wasnick, John D., and Butterworth, John F.

Online Resource: Access Anesthesiology site provides books currently available digitally, via audio and pdf download. Additionally, there are cases, question banks, procedure videos, guidelines and more.

LINK: <http://www.accessanesthesiology.mhmedical.com/login.aspx?username=uofdoa&password=medicine>

Jacksonville:

Handbook of Clinical Anesthesia by first author Paul G. Barash; will be provided on loan to rotators.

Additional Information

The Neuro ICU portion of this course will be completed the first 2 weeks of the rotation in Gainesville, followed by the OR portion in Jacksonville. Student will receive a welcome email with reporting instructions 1 week prior to course start.

Questions regarding the Gainesville portion of the rotation please email the Course Director, Chris Giordano, MD at cgiordano@anest.ufl.edu and copy clerkship@anest.ufl.edu with any questions.

Questions regarding the Anesthesia rotation in Jacksonville please email course director Adrienne Warrick, MD at adrienne.warrick@jax.ufl.edu.

Jacksonville: On day 1, students will go to the Office of Student Affairs at the LRC 4th floor by 7:15 am to check in (main hospital) and then take the gold elevators (Clinical Center) to 2nd floor. Text Jennifer Krolikowski at 904-238-2377 and she will meet you to escort you to the department. Please make sure you have your white coat and student badge.

Classes Offered

Period	Length	Credits	(Avail / Max) Slots
Period 1	4 Weeks (May 13 - Jun 9)	4	(2 / 2)
Period 2	4 Weeks (Jun 10 - Jul 7)	4	(2 / 2)
Period 3	4 Weeks (Jul 8 - Aug 4)	4	(2 / 2)
Period 4	4 Weeks (Aug 5 - Sep 1)	4	(2 / 2)

Period	Length	Credits	(Avail / Max) Slots
Period 5	4 Weeks (Sep 2 - Sep 29)	4	(2 / 2)
Period 6	4 Weeks (Sep 30 - Oct 27)	4	(2 / 2)
Period 7	4 Weeks (Oct 28 - Nov 24)	4	(2 / 2)
Period 8	4 Weeks (Nov 25 - Dec 22)	4	(2 / 2)
Period 9	4 Weeks (Jan 6 - Feb 2)	4	(2 / 2)
Period 12	4 Weeks (Mar 31 - Apr 27)	4	(2 / 2)
Period 13	4 Weeks (Apr 28 - May 25)	4	(2 / 2)

Evaluated Competencies

#1 Professionalism

Educational Objectives: Demonstrates respect for patients; families; and members of the health care team. Demonstrates an attitude of caring. Preserves patient confidentiality; and demonstrates knowledge about HIPAA regulations. Demonstrates timeliness.

Method of Evaluation: Faculty observation and feedback from residents.

#2 Patient Care

Educational Objectives: Conducts efficient; comprehensive; medical interviews and physical examinations; and records accurate information. Integrates information from medical history and physical examination into coherent problem list/differential diagnosis; and uses this information to determine cost-effective test ordering. Appropriately interprets diagnostic test results. Formulates appropriate management plans. Seeks opportunities to perform appropriate medical procedures (e.g., peripheral venous access; airway management; arterial blood gas).

Method of Evaluation: Faculty observation during attending rounds/procedures and feedback from residents.

#3 Medical Knowledge

Educational Objectives: Students will review: 1. The initial assessment and management of a patient in respiratory and/or cardiovascular arrest. 2. Fluid management in resuscitation. 3. How to perform a preoperative evaluation of a patient including medical condition; physical status; airway examination; appropriate preoperative testing and the impact of anesthesia and surgery on their condition. 4. General tenets of intraoperative medicine including monitoring (selection; steps in placement and basic interpretation of invasive monitors) and anesthetic options. 5. How to recognize and manage common post-operative complications including pain; hypotension; respiratory depression; and myocardial ischemia. 6. The basics of mechanical ventilation and Adult Respiratory Distress Syndrome. 7. The pharmacology of anesthetic; sedative; narcotic and vasoactive medications. 8. Cardiovascular physiology and the basics of invasive monitoring techniques.

Method of Evaluation: OR discussion; case conferences; case write-ups; and written examination.

#4 Practice-Based Learning

Educational Objectives: Regularly identify gaps in knowledge and seek answers to those questions from current medical literature. Demonstrate skills in principles of evidence-based medicine and ability to critically appraise available evidence. Share results of knowledge discovered with their team. Self-evaluate effectiveness of care provided to their patients.

Method of Evaluation: Faculty observation during attending rounds and feedback from residents.

#5 Interpersonal and Communication Skills

Educational Objectives: Interaction with patients; family members; and colleagues in a manner that engenders confidence; trust; and cooperation. Formulate open-ended questions and demonstrate active listening in patient interactions. Engage in teamwork.

Method of Evaluation: Faculty observation during attending rounds; and feedback from patients; family members; and residents.

#6 Systems-Based Practice

Educational Objectives: Demonstrate an awareness of resources (e.g. social support; educational; financial; access to care; etc.) needed by patients to effectively maintain health and manage disease.

Method of Evaluation: Faculty observation during attending rounds and feedback from residents.