

2024-2025 Catalog

ANS R 2J-Anesthesiology & Critical Care Clerkship-Jax/MICU Jax

ANS R 2J | 4th Year Required | Anesthesiology | Clinical Science | Jacksonville

MDC 7700 | Anes Critical Care MICU Jax

[Download Course Syllabus](#)

Prerequisites

4th year UF Medical Student (This course is not offered to non-UF students).

Course Description

This four-week clerkship will challenge medical students to manage patients undergoing surgical procedures as well as those being cared for in the Intensive Care Unit. During the Operative two-week block, each student will be 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 Critical Care two-week block will ask students to treat critically ill patients, and implement the necessary interventions for stabilization and management. 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.

Students will be 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 7:30 am daily. Wednesdays are the resident education day, and students are to attend the morning grand rounds as well as the resident lectures.

The clerkship is divided into two week blocks: Anesthesiology and Critical Care Medicine in the Medical Intensive Care Unit (MICU). Half of the class will start in each part, and will switch at the mid-point.

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)
- [Jennifer R. Hamilton BA](#) (Course Staff)
- [Tammy Bleeker](#) (Course Staff)
- [Katherine Kimball](#) (Course Staff)

Meeting Place and Time

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

Jacksonville: Day 1: 2nd flr located by Gold elevators. Report to Jennifer Krolikowski. 904-238-2377 (also see other notes for students for more detailed info)

Course Materials

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:

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

Additional Information

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

Jacksonville: Student will receive a welcome email with reporting instructions 1 week prior to course start. Day 1: Students will go to the education office at the LRC 4th floor by 715 am to check in (main hospital) and take the gold elevators 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 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 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	Length	Credits	(Avail / Max) Slots
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: Demonstrate honesty; integrity; selflessness; compassion and respect for patients; peers and other staff.

Method of Evaluation: Clinical evaluation from direct observation. We are looking for you to be prompt; involved; helpful; interested; professional in demeanor and behavior. For example, Arrive on time in the morning; assist with room setup; participate in pre-anesthetic evaluation and sedation of the patient in preoperative holding; assist with transport and transfer in the OR; remain involved and interested during the operative course; return following conference to finish up the case; participate in patient wake-up and transfer to the PACU, and observe their immediate outcome.

#2 Patient Care

Educational Objectives: Correctly manage several airways; including at least attempted intubations. Attempt intravenous cannulation.

Method of Evaluation: Clinical evaluations from direct observation.

#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; written examination; completion of on-line pharmacology quiz, airway evaluation website and additional quizzes through on-line system.

#4 Practice-Based Learning

Educational Objectives: Demonstrate physician scholar skills by seeking new knowledge; asking questions; and applying new knowledge appropriately.

Method of Evaluation: OR Discussion; case conferences.

#5 Interpersonal and Communication Skills

Educational Objectives: Ability to be effective at establishing rapport and communicating with patients and families, to be aware of the relevance of psychosocial factors, cultural diversity and support systems and display judgment and insight into communicating with others, including more difficult patients.

Method of Evaluation: Clinical observation and evaluations by faculty and resident mentors.

#6 Systems-Based Practice

Educational Objectives: Takes initiative to work with other members of the health care team.

Method of Evaluation: Clinical observation.