

# ANESTHESIOLOGY

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Chair – Steven Lisco, M.D.  
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 2015 Bennett Hall  
 402-559-4175

## **ANES 720 ANESTHESIA ROTATION 4 Credit Hours** ELECTIVE

The intention of this clerkship is to provide students with a broad exposure to the field of anesthesiology. Students will be given an opportunity to participate in the care of patients throughout the perioperative period-from the Pre Anesthesia Screening Clinic to the Post Anesthesia Care Unit and Intensive Care Unit. Students will also assist in providing anesthetic care as part of the Obstetric Anesthesia team and with the Acute Pain Service. All of this is in addition to caring for patients in the operating room undergoing a wide variety of surgical procedures. This diverse experience will give the student an opportunity to learn about the medical management of the perioperative patient and provide them a hands-on experience for a variety of procedures including airway management, peripheral nerve blockade, neuraxial anesthesia, venous access and invasive monitoring techniques. Other concepts emphasized will be physiology, pharmacology, fluid management, and pain control. Our clerkship also utilized the simulation lab to learn clinical skills, ACLS, and to improve decision-making in sessions with our faculty. Activity-Hours/Week. Rounds-5. Didactic conferences-3. Independent learning-10. Research project-3 OR case supervision-40. Contact: Melinda Murdock; mmurdock@unmc.edu; 402-559-4175; BTH 2015 (Zip 4455). Location: University Hospital or VA. Typically Offered: Each four weeks except July. Capacity: 8. Visiting Student Information: Visiting Students are not to contact faculty or clinical departments prior to acceptance through VSAS. Doing so is considered a professional breach and may disqualify the student from being offered a rotation.

## **ANES 725 CRITICAL CARE ANESTHESIOLOGY 4 Credit Hours** ELECTIVE

Course Objectives Critical Care Anesthesiology provides an opportunity to collaborate with a multi-disciplinary team led by Anesthesiology-Intensivists to provide cutting edge, patient centered medical therapy to complex, critically ill patients. Learn to navigate the intricacies of multi-organ system dysfunction, sepsis, post-operative cardiac, thoracic and surgical oncology patients, as well as mechanical cardiopulmonary support. Engage in discussions of medical ethics, end of life issues, as well as analyze interpersonal and family dynamics in a high acuity environment. This four week rotation is ideal for those medical students interested in anesthesiology, critical care medicine, internal medicine, cardiology, or surgery, or for students seeking a high-intensity educational exposure to the physiology and pathophysiology of the cardiovascular, respiratory, renal and other major organ systems. The rotation will focus its curriculum on critical care topics with related reading scheduled lectures and bedside instruction of procedures such as central line catheter placement, arterial line insertion, intubation, echocardiography and head-to-toe critical care ultrasonography. Multidisciplinary academic rounds will take place daily, with scheduled lectures occurring three days per week on predesignated topics delivered during lunch by Critical Care Anesthesiology faculty. Instructor: Dr. Arzen. Contact: Melinda Murdock; mmurdock@unmc.edu; 402-559-4175; BTH 2015 (Zip 4455). Typically Offered: Each four weeks August - April. Capacity: 2. Visiting Student Information: This course is NOT available to visiting students.

## **ANES 734 PAIN MANAGEMENT 4 Credit Hours** ELECTIVE

During this one month rotation the student will spend the majority of their time seeing patients at one of our clinic locations. These locations include Village Point, the UNMC main campus or Bellevue Medical Center. The student will become familiar with the treatment of chronic non-malignant pain and cancer pain. The student may participate in consultation within the hospital as well as the various interventional procedures that are done in the OR to treat pain. They will also spend time with the staff of our behavioral pain program. Activity-Hours/Week. Rounds-5. Independent learning-5. Case supervision-25 - 50. Patient evaluations-50 -100. Instructor: Dr. Michael Lankhorst. Contact: Melinda Murdock; mmurdock@unmc.edu; 402-559-4175; BTH 2015 (Zip 4455). Typically Offered: Each four weeks. Capacity: 1. Visiting Student Information: This course is NOT available to visiting students.

**ANES 760 OFF CAMPUS ELECTIVE 4 Credit Hours**

ELECTIVE

Arrangements in other medical centers can be made for extraordinary learning experiences not readily available within our facilities. Department of Anesthesiology faculty will be pleased to work with the student interested in an extramural clerkship when credit for this clerkship is desired. All arrangements for this off-campus elective and all correspondence are the responsibility of the student requesting this elective. Off-campus elective application forms must be submitted in VSAS (Visiting Student Application Services). Student MUST inform the student clerkship coordinator of their application. (See off-campus elective application procedures).

Prerequisite: Off-Campus Approval form completed.

Instructor: Dr. Walcutt.

Contact: Melinda Murdock; murdock@unmc.edu; 402-559-4175; BTH 2015 (Zip 4455).

Typically Offered: Each four weeks.

Capacity: Variable.

Visiting Student Information: This course is NOT available to visiting students.

**ANES 763 INTERNATIONAL HEALTH ELECTIVE 4 Credit Hours**

ELECTIVE

This course is intended for senior medical students interested in experiencing global health care in rural settings, and will currently take place in rural Rwanda, Africa. Gitwe Hospital is a 200 bed District Hospital in Rwanda serving eight Health Centers in the Ruhango District. Opportunities exist for students to participate in multiple primary care settings as well as gain exposure to obstetric care. Interested students will spend three weeks working with community physicians as well as academic physicians affiliated with the University of Gitwe. Currently, the rotation will be offered twice per year. Ideally, students participating in the rotation will have a desire to integrate international healthcare into their career, and our primary goal is to encourage students on that path. The student will need to plan ahead for this rotation, as there are things to be accomplished before the rotation and the plane fair alone is expensive. Please contact the department for further information regarding this rotation.

Prerequisite: Off-Campus Approval form completed.

Instructor: Dr. Walcutt.

Contact: Melinda Murdock; murdock@unmc.edu; 402-559-4175; BTH 2015 (Zip 4455).

Typically Offered: Varied.

Capacity: Variable.

Visiting Student Information: This course is NOT available to visiting students.

**ANES 798 ANESTHESIOLOGY RESEARCH 4 Credit Hours**

ELECTIVE

This course is designed to enhance the student's clinical research knowledge with an emphasis on anesthesiology or critical care. The student will gain knowledge, including good clinical practice, regulatory requirements, research study designs, and data collection standard. Students will be required to have CITI training and will be added to the IRB application associated with the research project in which they are allocated to assist. The student will receive a grade based on the established performance rubric and faculty evaluation.

Contact: Melinda Murdock; mmurdock@unmc.edu; 402-559-4175; BTH 2015 (Zip 4455).

Typically Offered: Each four weeks.

Visiting Student Information: This course is NOT available to visiting students.

**ANES 799 ADVANCED ANTHESIOLOGY 4 Credit Hours**

ELECTIVE

This is an opportunity to select an area of interest. The student will spend a week of intense study and learning in any of several specialized areas, such as neuro-anesthesia, cardiovascular anesthesia, thoracic anesthesia, pediatric anesthesia, obstetrical anesthesia, or acute pain management (regional anesthesia). Generally, the student will select rotations on which they prefer to spend time in and will closely follow faculty and residents for a week at a time on each of the chosen rotations..

Prerequisite: ANES-720.

Contact: Melinda Murdock; mmurdock@unmc.edu; 402-559-4175; BTH 2015 (Zip 4455).

Typically Offered: Variable.

Capacity: Variable.

Visiting Student Information: This course is NOT available to visiting students.