

## ANES 860: Anesthesiology & Perioperative Medicine

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BLOCK	# Students	BLOCK	# Students	BLOCK	# Students
Block 1: 7/3/17 – 7/28/17	3	Block 4A: 9/25/17 – 10/6/17		Block 7B: 1/15/18 – 1/26/18	
Block 1A: 7/3/17 – 7/14/17		Block 4B: 10/9/17 – 10/20/17		Block 8: 1/29/18 – 2/23/18	4
Block 1B: 7/17/17 – 7/28/17		Block 5: 10/23/17 – 11/17/17	3	Block 8A: 1/29/18 – 2/9/18	
Block 2: 7/31/17 – 8/25/17	4	Block 5A: 10/23/17 – 11/3/17		Block 8B: 2/12/18 – 2/23/18	
Block 2A: 7/31/17 – 8/11/17		Block 5B: 11/6/17 – 11/17/17		Block 9: 2/26/18 – 3/23/18	4
Block 2B: 8/14/17 – 8/25/17		Block 6: 11/20/17 – 12/15/17	3	Block 9A: 2/26/18 – 3/9/18	
Block 3: 8/28/17 – 9/22/17	3	Block 6A: 11/20/17 – 12/1/17		Block 9B: 3/12/18 – 3/23/18	
Block 3A: 8/28/17 – 9/8/17		Block 6B: 12/4/17 – 12/15/17		Block 10: 3/26/18 – 4/20/18	4
Block 3B: 9/11/17 – 9/22/17		Block 7: 1/2/18 – 1/26/18	4	Block 10A: 3/26/18 – 4/6/18	
Block 4: 9/25/17 – 10/20/17	3	Block 7A: 1/2/18 – 1/12/18		Block 10B: 4/9/18 – 4/20/18	

Does this rotation accept visiting students?  YES  NO

### **COURSE DESCRIPTION:**

The course is an introduction to general anesthesia management, emphasizing the anesthetic subspecialties of pediatric, neurosurgical, cardiothoracic, obstetrical anesthesia, and pain management. The student will acquire a working knowledge of commonly used anesthetic agents, techniques and airway management. Students are expected to behave as senior students, helping with set-up and prepared for all cases with a plan. Only students seeking a residency in Anesthesia will be approved to schedule a rotation prior to January.

**LEARNING GOALS & OBJECTIVES:** At the completion of this clinical rotation students should be able to do the following:

1. Discuss cardiovascular and pulmonary physiology as applied in a variety of clinical settings and disease processes and discuss clinically applicable pharmacokinetics and pharmacodynamics across various pharmacologic therapies. (MK5, PC1)
2. Start an intravenous line and have been guided through the process of intubations, place LMAs (laryngeal mask airways), start an arterial line. (PC7, MK4)
3. Discuss the treatment of acute pain through various modalities, including oral, intravenous, neuraxial, and regional techniques, as well the ethics involved in the treatment of pain. (MK8, PC3)
4. Communicate basic Advanced Cardiac Life Support principles with particular attention placed on airway management and understand the basics of Difficult Airway Management as demonstrated in a simulation course. (MK1, PR2)

**INSTRUCTIONAL METHODOLOGIES AND ROTATION ACTIVITIES:** Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:

1. Participation in weekly assignments in the operating rooms and a 5-10 minute oral presentation on one of the patients.
2. Attendance at Tuesday morning grand rounds, Tuesday afternoon simulation sessions (led by attending anesthesiologist), Wednesday afternoon resident lectures, Thursday afternoon medical student lectures (led by an anesthesia resident).
3. Completion of at least 1 night of call in the main operating rooms.
4. Completion of assigned reading chapters each week associated with required lectures.

**PATIENT ENCOUNTERS:** Students will be expected to work-up patients with potential multiple conditions:

1. Patients with cardiovascular disease undergoing surgery
2. Patients undergoing labor epidural or c-section
3. Patients undergoing surgery related to trauma
4. Pediatric Patients

**EVALUATION / FEEDBACK METHODS:** Students will be evaluated using the following methods:

1. Direct observation of clinical skills performance by residents and attendings each day and discussion of didactic/reading topics, with application to daily clinical cases.
2. An oral presentation on a patient, including medical problems, type of surgery, anesthesia, and other interesting issues.
3. A mid-point evaluation form will be completed half way through the rotation in order for the student to be assessed on their performance.

Will students be expected to participate in call?  YES  NO

Students are expected to take call when their assigned resident is on call, with the exception of Friday-Monday night call.