

ANES 2001 Course

Course: General Anesthesiology Elective

Course Number: ANES 2001

Department: Anesthesiology & Pain Management

Faculty Coordinator: Amy Woods, M.D. (amy.woods@utsouthwestern.edu)

Location: Zale, CUH, Parkland, & CMC

Length: 2 weeks

Prerequisites (if any): NONE

Periods offered: 1-12

Number of students: 5

First day Contact: Brian Frasure (brian.frasure@utsouthwestern.edu)

First day time: Varies, typically 0900. Specific time to be sent in orientation email.

First day location: Sprague Building, 2nd floor, Anesthesia Office Suite

- I. **Course Description:** This is a 2-week, exploratory experience that allows students an opportunity to observe peri-operative medicine. Each student will be paired with 1 or 2 preceptors with whom they will spend the 2-weeks. The student will experience all aspects of anesthesiology—the pre-operative process with the patient, operating room preparation and set-up, airway and hemodynamic management, intraoperative care, and planning for the recovery/post-operative process. The experience also enables the student to engage with residents in this field and work closely with faculty in a mentor/mentee role. The purpose of the course is to acquire basic knowledge and skills in anesthesiology as well as to explore a career in the specialty.

II. **Learning goals/objectives/Assessments:**

Goals	Objectives	Assessment methods (examples)
Patient Care: Students will learn about and engage in the pre-operative work-up, intraoperative management, and post-operative planning for patients undergoing general anesthesia for a variety of cases. The student will learn basic airway and IV insertion skills.	<ol style="list-style-type: none">1. The student will be able to list the components necessary for a focused pre-anesthesia history and physical.2. The student will be able to assemble the equipment necessary for basic bag/mask ventilation and intubation.3. The student will be able to place basic monitors on a patient.4. The student will be able to	<i>The student will work on-one-one with an anesthesiology resident or faculty, who will incorporate the student into the care team. The student will receive individualized attention and formative feedback on his/her performance.</i>

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	list the steps necessary for peripheral IV insertion.	
Medical knowledge: Students will learn about anesthetic pharmacology and its effect on normal physiology. Students will learn about how anesthesiologists manage co-morbidities in the peri-operative period.	<ol style="list-style-type: none"> 1. The student will be able to list the common inhalational and intravenous anesthetics and describe how they work. 2. The student will be able to list the common paralytic agents used during an anesthetic. 3. The student will be able to list the common analgesics (opioids, NSAIDs, others) that are used during an anesthetic. 4. The student will be able to describe basic effects of anesthetics on normal physiology. 	<i>The student will have guided discussions with assigned resident and faculty as part of clinical education and will be given formative feedback on fund of knowledge.</i>
Interpersonal and Communication skills: The student will observe and engage in inter-professional communication. The student will observe and emulate behaviors conducive to good teamwork.	<ol style="list-style-type: none"> 1. The student will list important behaviors necessary for good teamwork. 2. The student will demonstrate basic communication skills necessary to work alongside other professionals (MDs, nurses, techs) 	<i>The student will be given regular feedback in a formative way.</i>
Professionalism: The student will demonstrate respect for patients and colleagues. The student will be punctual, dress appropriately, and behave responsibly.	<ol style="list-style-type: none"> 1. The student will be punctual and complete all required work. 2. The student will demonstrate respect and compassion for others. 3. The student will demonstrate respect for patient privacy and autonomy. 	<i>The student will be observed and given feedback in real time as necessary.</i>
Practice Based Learning and Improvement	<ol style="list-style-type: none"> 1. The student will identify topics of interest and demonstrate a focused literature review. 	<i>The student will engage in discussion with faculty and/or resident and will be provided feedback on understanding of topic of interest.</i>
System based practice	<ol style="list-style-type: none"> 1. The student will identify and describe the role of the multidisciplinary physician, nurse, and technician team 	<i>The student will be observed and given feedback in real time as necessary in her/his interactions with the</i>

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	that is necessary to care for patients in the perioperative period.	<i>multidisciplinary team with respect to roles and functions.</i>
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III. Methods of Instruction: Clinical and Patient-facing experiences, Simulation-based sessions using low- and high-fidelity manikins, Optional didactic learning.

IV. Schedule: Varies. Typically, Monday through Friday, 0630-1600

V. Course requirements: Participation in daily activities with preceptor, attendance of formal lectures, and simulation lab

VI. Methods of evaluation: Formative feedback and written comments

VII. Recommended reading: Given during rotation