ANESTHESIOLOGY (AN)

AN 0302 - Anesthesiology Career Exploration  
Credit(s): 1-2 Credits (Repeatable for credit)  
This course may be used to register for Anesthesiology career exploration. The location of the experience may be at a SLU SOM affiliate or at another health care institution.

AN 0304 - Anesthesiology Career Exploration - Comprehensive Anesthesia Care  
Credit(s): 1-4 Credits (Repeatable for credit)  
Fourth year medical students are invited to rotate in the Department of Anesthesiology for two weeks. During this rotation, students will be exposed to all aspects of modern anesthetic practice as related to the care of adult patients. Students will receive practical hands-on instruction in airway management, venous and arterial access, and fluid management. Additionally, basic physiologic and pharmacological principles, which are integral in anesthetic care, will be emphasized in the operating suite. Specially designed lectures are also provided and, to complete the educational experience, students will participate in laboratory and simulation sessions designed to demonstrate basic hemodynamic monitoring and patient management. At the end of the rotation, a short written and oral examination, which evaluates the student’s knowledge of anesthesiology, will be administered.

AN 0307 - Anesthesiology Career Exploration - Clinical Practices in Pain Management  
Credit(s): 1-2 Credits  
In this course, students will be exposed to clinical management of pain in both acute and chronic presentations. This will include an exploration of the basic science and physiological understanding of pain processing and the mechanisms of pharmacological and non-pharmacological treatments. Students will have clinical exposures in the outpatient pain clinic and on the inpatient acute pain services where clinical didactics will include exposure to patient evaluation and procedural interventions. Didactic lectures will be in the form of recorded lectures followed by small group discussions.

AN 0403 - General Anesthesiology  
Credit(s): 2-12 Credits (Repeatable for credit)  
Fourth year medical students are invited to rotate in the Department of Anesthesiology for two weeks. During this rotation, students will be exposed to all aspects of modern anesthetic practice as related to the care of adult patients. Students will receive practical hands-on instruction in airway management, venous and arterial access, and fluid management. Additionally, basic physiologic and pharmacological principles, which are integral in anesthetic care, will be emphasized in the operating suite. Specially designed lectures are also provided and, to complete the educational experience, students will participate in laboratory and simulation sessions designed to demonstrate basic hemodynamic monitoring and patient management. At the end of the rotation, a short written and oral examination, which evaluates the student’s knowledge of anesthesiology, will be administered.

AN 0404 - Pediatric Anesthesiology  
Credit(s): 2-12 Credits  
During this rotation, medical students are introduced to the principles of anesthetic induction and maintenance in the pediatric patient. They are instructed on the theoretical and practical aspects of pediatric airway management, intravenous line placement, and fluid management. Each student will be expected to manage a pediatric airway (including endotracheal intubation) and start intravenous lines by the end of the rotation. General anesthesia lectures are also provided and, to complete the educational experience, students will participate in laboratory and simulation sessions designed to demonstrate basic hemodynamic monitoring and patient management. At the end of the rotation, a short written examination, which evaluates the student’s knowledge of pediatric anesthesiology and the practice at Cardinal Glennon will be administered.

AN 0407 - Anesthesia Critical Care  
Credit(s): 2-12 Credits  
The student will be an active member of the Anesthesia Critical Care team. Students will be assigned patients for whom they will assume primary care responsibilities during their admission to the intensive care unit, with an emphasis placed upon managing acutely evolving processes, especially those related to the respiratory and hemodynamic derangements of the critically ill. Students will be involved in the pharmacological treatment of these patients as well. Opportunities to understand the indications for invasive procedures will be emphasized, and students will actively participate in the placement and monitoring of such devices under direct supervision of residents and attending alike. Students will also be guided on the proper indications for airway intervention, as well as the eventual weaning from mechanical ventilation.

AN 0408 - Regional Anesthesia  
Credit(s): 1-4 Credits (Repeatable for credit)  
Students will be assigned patients for whom they will assume patient care responsibilities, with an emphasis on the indications and methods of pain management from a regional anesthesia perspective. They will also practice administering nerve blocks on computer-based and physical model simulators. Students will supplement clinical knowledge with recommended textbook readings on the anatomical and ultrasonically-guided principals of nerve blocks. Opportunities to assist with the administration of nerve block procedures under direct supervision of residents and attending physicians will be available.

AN 0409 - Clinical Practices in Pain Management  
Credit(s): 1-4 Credits  
In this course, students will be exposed to clinical management of pain in both acute and chronic presentations. This will include an exploration of the basic science and physiological understanding of pain processing and the mechanisms of pharmacological and non-pharmacological treatments. Students will have clinical exposures in the outpatient pain clinic and on the inpatient acute pain services where clinical didactics will include exposure to patient evaluation and procedural interventions. Didactic lectures will be in the form of recorded lectures followed by small group discussions.

AN 0901 - Anesthesiology Direct Patient Care  
Credit(s): 1-12 Credits (Repeatable for credit)  
This course may be used to register for an Anesthesiology elective. The elective experience must fulfill the requirements for a direct-patient care elective. The location of the experience may be at a SLU SOM affiliate or at another health care institution.
AN 0903 - Anesthesiology Research
Credit(s): 1-12 Credits (Repeatable for credit)
This course may be used to register for an Anesthesiology elective. The elective experience must fulfill the requirements for a research elective. The location of the experience may be at a SLU SOM affiliate or at another health care institution.