

SRG 121L - SURGICAL PROCEDURES I LAB

Course Description

Students in this course will learn and practice in the laboratory environment the skills required to perform in the surgical setting. Emphasis will be placed on advanced skills concerning instrumentation, equipment and procedures relevant to orthopedic, ENT, plastic, reconstructive, minimally invasive, and vascular procedures. Students will also practice patient transport, transfer, urinary catheterization, skin prep, patient positioning and draping procedures. Students will be evaluated on their sterile technique and case management skills. This course will also include a clinical observation component of the relevant areas of the perioperative environment. Group 2 course.

Credit Hours

3.5

Contact Hours

7

Lab Hours

7

Corequisites

SRG 121

Course Learning Outcomes

Knowledge:

- Explain the skills involved in the scrubbed role for the surgical technologist as well as the circulator role.
- Explain the principles of aseptic and sterile technique utilized in the surgical environment.

Application:

- Coordinate learned aseptic and sterile technique skills with human pathophysiology, anatomical and physiological knowledge through mock surgery run-throughs in the laboratory setting.
- Demonstrate the handling and passing techniques, including neutral zone (no-hands) technique.
- Demonstrate handing pharmaceuticals.
- Demonstrate handing off a specimen to the circulator.
- Demonstrate the proper use of common operating table accessories.
- Demonstrate advanced surgical instrument handling through mock surgical case simulation of a Tonsillectomy, AV Shunt, Carpal Tunnel, Laparoscopy procedure, ORIF, cystoscopy, and a two set up procedure.
- Demonstrate the role of surgical assistant by cutting suture, holding retractors, holding laparoscopic cameras, and advanced instrument holding as directed by the surgeon.
- Demonstrate the loading and use of varying surgical staplers.
- Demonstrate draping of the patient for an abdominal, extremity, and lithotomy procedure.
- Demonstrate the ability to drape basic surgical equipment.
- Demonstrate a preoperative interview scenario.
- Demonstrate pharmaceutical preparation.

- Demonstrate delivery of varying medications and irrigation solutions to the sterile field.
- Demonstrate the proper procedure for counting sponges, sharps and instruments with the person in the scrub role.
- Demonstrate the documentation of patient and count information in the appropriate areas within the operating room.
- Demonstrate patient identification and different options for transport and transfer.
- Demonstrate patient positioning for varying surgical procedures safely.
- Exhibit safe body mechanics during patient transportation, transferring, and positioning.
- Demonstrate the Time Out procedure to according to Joint Commission and AST standards.
- Demonstrate the placement of patient monitoring devices.
- Demonstrate Sellick's maneuver.
- Demonstrate urinary catheterization of a male and a female patient.
- Demonstrate the different procedures for preoperative hair removal, urinary catheterization and skin prep.
- Demonstrate the proper protocol for receiving a specimen.
- Demonstrate delivering supplies to the surgical field during a procedure.
- Demonstrate postoperative care of the patient.
- Observe the following areas in the clinical setting totaling 4 hours per week over a seven week period: sterile processing, pre-op and PACU/ anesthesia, and surgery.

Integration:

- Connect book knowledge with real world application through laboratory practice.

Human Dimension:

- Observe the student's interaction with simulated patient's when performing simulated patient interviews and transport into the operating room.

Caring - Civic Learning:

- Engage with the simulated patients to relay the importance of safety and quality patient care during a preoperative interview process.

Learning How to Learn:

- Learn how to assess case management requirements based on differing patient needs.