

**Virginia Western Community College**  
**SUR 245**  
**Surgical Care Skills II**

**Prerequisites**

SUR 140, SUR 145, and BIO 142

**Course Description**

Builds upon essential skills to perform safely and competently in the operating room environment. Emphasizes active learning and critical thinking in the lab setting. Uses simulations to introduce skills in setting up a back table, mayo stand and passing instruments. Focuses on anticipating the needs of the surgeon and team members. Covers demonstration of counting procedures to prevent retained items and maintaining the sterile field to prevent contamination. Laboratory 9 hours per week.

**Semester Credits: 3****Lab/Clinical/Internship Hours: 3****Required Materials****Textbook:**

- Surgical Technology for the Surgical Technologist: A Positive Care Approach Cengage, ISBN: 978-0-357-62573-6
- Study Guide to Accompany Surgical Technology for the Surgical Technologist Workbook, ISBN: 978-0-357-62575-0

**Other Required Materials:**

- Surgical Equipment and Supplies  
ISBN: 978-0803645714
- Surgical Instrumentation, An Interactive Approach (4th Edition)  
ISBN: 978-0-323-77693-6

## Course Outcomes

<b>Course Learning Objectives/Learning Outcomes – Upon completion of the course, students will be able to:</b>	<b>Meets Competency Number</b>
Continue to practice apply previously learned lab skills and elaborate on guidelines, recommendations, terms, concepts of barriers, and evidence-based practice as they relate to aseptic technique and the principles of asepsis.	#4 and #5
Continue to emphasize and practice the importance of surgical attire, gowning and gloving, hand washing, hand disinfection, and the surgical scrub using correct methods	#4 and #5
Review of instruments learned in SUR 145 and their uses in the operating room. Incorporating newly learned instrumentation-based knowledge from SUR 150; such as, identifying the different types of finishes, design, classification and function among the differing surgical specialties	#4 and #5
Discuss and apply skills related to surgical case management, counts, surgical techniques, case planning, sharps safety, and procedure specific supplies. Review and elaborate on Universal Protocols, prevention of retained items, and specimen care	#4 and #5
Review and build on principles of safe patient transport and transfer, communication, use of safe body mechanics, prevention of injury, basic positioning for surgical procedures, and all devices used in the perioperative environment	#4 and #5
Review and apply the standards and guidelines for surgical prep methods, and various draping techniques dependent upon surgical specialty, while incorporating safety, aseptic technique.	#4 and #5
Continue to emphasize the importance of disinfection, decontamination and sterilization, as well as, how to check the integrity of instrumentation from a variety of surgical specialties to avoid back table setup contamination	#4 and #5
Elaborating on the uses of electrosurgery, lasers and patient safety precautions related to different surgical specialties and procedures and apply any safety practices that relate	#4 and #5
Elaborate on the principles of wound management and the wound healing process; identify different methods of hemostasis and how they are applicable to the surgical wound including skills practice.	#4 and #5
Describe key elements of the perioperative environment in relation to the different surgical specialties and apply learned skills in mock surgical procedures	#4 and #5

## **Topical Description**

**\*This is the lab course that accompanies SUR 240 Surgical Care II.**

**In this course, students interpret the material learned in lecture and apply it in a hands-on lab experience, three days a week. Material covered in SUR 240 is practiced in SUR 245. The covered material is assessed at the end of each week to assure that students grasp concepts and can move on to the next skill set.**

**Assessments are as follows:**

- 1. Towel/ Drape Placement on Surgical Patient**
- 2. Prepping the Surgical Field**
- 3. Instrument Preparation**
- 4. Instrument Recognition**
- 5. Medication Handling**
- 6. Safe Passing with Attention to Detail**
- 7. Initiates Surgical TIMEOUT**
- 8. Anticipation: Instrumentation**
- 9. Initiating Closing Counts (Count location order, attention to detail, and miscounts)**
- 10. Laparotomy Drape Removal**
- 11. Doffing Soiled Gowns and Gloves**
- 12. Contamination Corrections**
- 13. Safe Breakdown of Surgical Field**
- 14. Loading, Passing and Isolating Sutures**
- 15. Anticipating: Hemostasis**
- 16. Safety and Importance of Proper Sharps Disposal**
- 17. Passing Different Instrument According to Hand Signal**
- 18. Prepping Based on Variety of Surgical Procedures**
- 19. Intraoperative Critical Thinking**
- 20. Following Proper Attire, Scrub Technique and Professionalism Requirements Throughout the Semester**

[ADA Statement](#) (PDF)

[Title IX Statement](#) (PDF)