

**Virginia Western Community College**  
**SUR 145**  
**Surgical Care Skills I**

**Prerequisites**

BIO 141, HLT141, SDV 101

**Course Description**

Introduces students to the surgical process, including aspects of the operating room environment. Provides students with the opportunity to practice preparation, transportation, and positioning of the patient for surgery. Practice of hand hygiene, the surgical hand scrub, opening of sterile supplies, donning, and doffing operating room attire and personal protective equipment.

**Semester Credits: 3**

**Lab/Clinical/Internship Hours:** 9 hours per week

**Required Materials****Textbook:**

- Surgical Technology for the Surgical Technologist: A Positive Care Approach Cengage  
ISBN: 978-1-305-95641-4
- Study Guide to Accompany Surgical Technology for the Surgical Technologist Workbook  
ISBN: 978-1-30-595643-8

**Other Required Materials:**

- Surgical Equipment and Supplies ISBN: 978-0803645714
- Surgical Instrumentation, An Interactive Approach ISBN: 978-032352370-7

**Course Outcomes**

<b>Upon completion of the course, students will be able to:</b>
Clearly define guidelines, recommendations, terms, concepts of barriers, and evidence-based practice as they relate to aseptic technique and the principles of asepsis.
Describe and explain the importance of surgical attire, gowning and gloving, hand washing, hand disinfection, and the surgical scrub using correct methods
Understand how instrument names are used in the operating room while identifying the different types of finishes, their design, classification, and function.
Discuss and describe the purpose of case preparation, counts, surgical techniques, case planning, Universal Protocols, prevention of retained items, and specimen care.
Discuss the principles of safe patient transport and transfer, communication, safe body mechanics, prevention of injury, basic positions, and all devices used in the perioperative environment.

Review the standards and guidelines for surgical prep methods, and various draping techniques, while incorporating safety, aseptic technique.
Describe and discuss the principles, processes, guidelines, and hazards with regards to disinfection, sterilization, decontamination, and terminal cleaning.
Describe the uses of electrosurgery, lasers use, and patient safety precautions used during all.
Discuss the principles of wound management and the wound healing process; identify different methods of hemostasis and how applicable to the surgical wound.
Describe laparoscopic and robotic surgery as key elements incorporated as minimally invasive surgery.

### **Topical Description**

**\*This is the lab course that accompanies SUR 140 Surgical Care I**

**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 140 is practiced in SUR 145. 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. OR Attire
2. PPE application
3. Basic hand wash
4. Opening sterile supplies
5. Counted scrub technique
6. Hand rub technique
7. Hand drying technique
8. Donning sterile gown and closed gloving
9. Doffing gown and gloves
10. Draping Mayo stand and proper towel placement
11. Sharps safety
12. Checking, receiving, placement and organization of surgical instrumentation on the back table
13. Distributing/ organizing sterile supplies
14. Draping/ setting up ring stand(s) – single and double
15. Surgical Counts – Supplies and instrumentation
16. Mayo preparation
17. Patient positioning
18. Surgical Skin Preparation
19. Passing Instrumentation
20. Gowning and gloving a team member