

Virginia Western Community College

SUR 145

Surgical Care Skills I

Prerequisites

BIO 141, HLT141, SDV 101

VWCC Discipline Specific 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

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

VWCC AND DISCIPLINE SPECIFIC OUTCOMES

- 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.

VWCC AND DISCIPLINE SPECIFIC TOPICAL DESCRIPTIONS

- OR Attire
- PPE application
- Basic hand wash
- Opening sterile supplies
- Counted scrub technique
- Hand rub technique
- Hand drying technique
- Donning sterile gown and closed gloving
- Doffing gown and gloves
- Draping Mayo stand and proper towel placement
- Sharps safety
- Checking, receiving, placement and organization of surgical instrumentation on the back table
- Distributing/ organizing sterile supplies
- Draping/ setting up ring stand(s) – single and double
- Surgical Counts – Supplies and instrumentation
- Mayo preparation
- Patient positioning
- Surgical Skin Preparation
- Passing Instrumentation
- Gowning and gloving a team member

[TITLE IX STATEMENT](#)

[ADA STATEMENT](#)

