

Virginia Western Community College

SUR 140

Surgical Care I

Prerequisites

BIO 141, HLT141, SDV 101

VWCC Discipline Specific Course Description

Introduces concepts of the surgical process including preparing the patient for surgery, transporting, positioning, and special preparation procedures of the surgical patient. Presents diagnostic and assessment procedures of the surgical patient including the importance of safety. Discusses the basic principles of aseptic technique.

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: 978-1-719-64841-7
- ☐ Surgical Instrumentation, An Interactive Approach ISBN: 978-032352370-7

VCCS COURSE OUTCOMES

- Discuss the needs of the surgical patient and family
- Discuss proper techniques in positioning and transporting patients for specific surgical procedures
- Compare and contrast different types of assessment and diagnostic procedures
- Identify safety risks associated with the operating room
- Discuss techniques to prevent injuries, especially as they relate to handling sharp instruments
- Review guidelines and regulations related to aseptic technique

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.
- Understand the relationship between technology and medicine by describing how heat transfer, electricity and its application during surgery are key components to patient safety. Discuss how computer networks are used in a professional medical setting.
- 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.

VCCS TOPICAL DESCRIPTIONS

- The surgical patient
- Diagnostic and assessment techniques
- Environmental hazards
- Sharps safety
- Aseptic technique

VWCC AND DISCIPLINE SPECIFIC TOPICAL DESCRIPTIONS

- Preventing Perioperative Disease Transmission
- Surgical Case Management
- Biomedical Science
- Surgical Case Management
- Biomedical Science: Part 3
- Hemostasis, Wound Healing, and Wound Closure

[TITLE IX STATEMENT](#)

[ADA STATEMENT](#)

