

Virginia Western Community College
SUR 100
Introduction to Surgical Technology

Prerequisites

Readiness for ENG 111

Course Description

Introduces professional practice concepts within the profession of surgical technology with emphasis on the profession and career opportunities. Introduces concepts such as group dynamics, effective communication, organization, prioritization, and delegation. Emphasizes standards of practice and codes of conduct for surgical technologists.

Semester Credits: 2

Lecture Hours: 2

Lab/Clinical/Internship Hours: 0

Required Materials**Textbook:**

Title	Author	Edition
Surgical Technology for the Surgical Technologist: A Positive Care Approach 978-0-357-62573-6	Cengage	6 th
Study Guide to Accompany Surgical Technology for the Surgical Technologist <u>Workbook</u> 978-0-357-62573-6	Cengage	6 th
The Immortal Life of Henrietta Lacks (ISBN: 13-978-0804190107)	Skloot, Rebecca	n/a

Other Required Materials:

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Course Outcomes

At the completion of this course, the student should be able to:

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Describe how the profession of surgical technology originated, the process of training and certification, the services provided by the various support agencies, the role of the surgical technologist, and career opportunities available to the surgical technologist
Describe all elements of communication among healthcare professionals, explain the significance of netiquette, and describe the characteristics of good teamwork
Differentiate among law, standards of practice, and codes of conduct, access resources related to legal doctrines, explain informed consent, describe how to write an incident report, discuss ethics as they apply to the surgical technologist, describe how to write an incident report, define and discuss ethical dilemmas.

Define patient centered care, discuss human needs as described in Maslow's hierarchy, describe human basic physiological, psychological and spiritual needs of the patient and their family, identify special patient population needs
Describe the principles of operating room design, the purpose of traffic patterns, common items found in the operating room, temperature and humidity ranges used, ancillary services and their functions, define chain of command and identify all perioperative professionals and their roles.
Define end of life periods, discuss ways to provide comfort and support, understand the conflicts and stress faced by the patient and family, define cultural competence and discuss the concept of determination of death, and discuss principles of organ recovery.
Discuss types, features, role of agencies, documentation, strategy, communication related to disasters, and explain the possible roles of the surgical technologist during a disaster.
Describe how to assess and document all patient vital signs.
Identify risks present in the operating room, explain the fire triangle and how to respond to a patient fire, prevent fire. Describe Standard Precautions, discuss techniques to prevent sharp injuries, describe correct body mechanics for lifting, pulling and pushing heavy equipment.

Topical Description

1. Orientation to Surgical Technology
 - a. Profession of Surgical Technology
 - b. Roles of the Surgical Technologist
2. Legal Concepts, Risk Management, and Ethical Issues
 - a. Professional Standards and Practices
 - b. Communication in the Health Care Setting
 - c. Teamwork and Professionalism
 - d. Scope of Practice for the Surgical Technologist
3. The Surgical Patient
4. Special Populations
5. Physical Environment and Safety Hazards
6. Emergency Situations and All-Hazards Preparation
7. Diagnostic Procedures
8. Design of health care facility and operating room