

SURT-1000: SURVEY OF SURGICAL TECHNOLOGY

Cuyahoga Community College

Viewing: SURT-1000 : Survey of Surgical Technology

Board of Trustees:

March 2025

Academic Term:

Fall 2025

Subject Code

SURT - Surgical Technology

Course Number:

1000

Title:

Survey of Surgical Technology

Catalog Description:

Designed to familiarize students seeking a career in healthcare within the profession of surgical technology. Course provides an overview of history, professional organization, philosophy and practice of surgical technology. Discussion of roles and responsibilities of operating room personnel will also be provided as well as study of asepsis, instrumentation, positioning and draping.

Credit Hour(s):

1

Lecture Hour(s):

1

Requisites

Prerequisite and Corequisite

HTEC-1060 Medical Terminology I and departmental approval.

Outcomes

Course Outcome(s):

Make an informed decision on whether or not to pursue a career in the field of surgical technology.

Objective(s):

1. Identify and trace the historical development of surgical technology.
2. Identify the members of the surgical team and their roles.
3. Navigate through the Association of Surgical Technologists (AST) website in order to locate pertinent information regarding the profession.
4. Distinguish between the different types of surgical positions used for various surgical procedures.

Course Outcome(s):

Retain and recall a basic knowledge of the surgical technology profession to succeed in subsequent surgical technology courses.

Objective(s):

1. Describe the basic components of a computer system, apply computer knowledge to the educational process, and locate and evaluate information using the latest technology available.
2. Identify sterile practices related to the principles of asepsis.
3. Identify basic surgical instruments by type, name, and function.
4. Examine the methods of surgical draping and the concept of draping relating to asepsis.

Methods of Evaluation:

1. Exams
2. Quizzes
3. Assignments
4. Demonstration of skills
5. Class attendance and participation

Course Content Outline:

1. Computer skills
 - a. Using the computer
 - b. Hardware and software
 - c. Internet and email
 - d. Use of computer in the Operating Room (OR)
2. History of surgery and surgical technology
 - a. British Medical Association
 - b. Association of Operating Room Nurses
 - c. Association of Operating Room Technicians
 - d. Association of Surgical Technologists
 - e. Pioneers in surgery
3. Surgical technologist
 - a. Sterile and non-sterile team members
 - b. Surgical case management
 - c. Duties
 - d. Certification
4. Association of Surgical Technologists website
 - a. About the profession
 - b. A growing career
 - c. Standards of practice
 - d. Surgical technology statistics
5. Principles of asepsis
 - a. Creation of sterile field
 - b. Sterile team members
 - c. Movement within sterile field
 - d. Open gloving demonstration
 - e. Open sterile demonstration
6. Surgical instruments
 - a. Cutting
 - b. Grasping
 - c. Clamping
 - d. Retracting
 - e. Suturing
 - f. Suctioning
 - g. Accessory
 - h. Cutting
7. Principles of positioning
 - a. Patient safety
 - b. Basic positions
8. Draping
 - a. Types of material
 - b. Types of drapes

Resources

Association of Surgical Technologists. *Surgical Technology for the Surgical Technologist: A Positive Care Approach*. 6th ed. Cengage-Learning, 2024.

Thomson Delmar Learning's. *Surgical Technology Skills & Procedures DVD Series*. Directed by Rhonda Fabian, Fabian-Baber Communications,. 2006.

Making a Difference: A Career in Surgical Technology. Association of Surgical Technologists Inc., 2007.

Resources Other

Association of Surgical Technologists. 2025, <https://www.ast.org/>.

Top of page

Key: 4151