



South Central College

SURG 1100 Introduction to Surgical Technology

Common Course Outline

Course Information

Description This course introduces students to the field of Surgical Technology. Emphasis on history, roles, education of the Surgical Technologist, work environment, career opportunities, attributes for success, legal and ethical concerns, hospital administration and organization, and professional behaviors. Students will be introduced to the importance of certification and joining the national organization. (Prerequisite: HC 1000 Medical Terminology, BIOL 220 Anatomy, CHEM 108 Introduction to Chemistry or CHEM 110 Chemistry for Health Sciences.)

Total Credits 2

Total Hours 32

Types of Instruction

Instruction Type

Lecture

Credits/Hours

2/32

Pre/Corequisites

Prerequisite HC 1000, BIOL 220, and CHEM 108 OR CHEM 110

Course Outcomes

1. Describe professional management of the Surgical Technologist.

Learning Objectives

Describe the characteristics of the professional Surgical Technologist.
Describe the credentialing options available to the Surgical Technologist.
Discuss strategies for the attainment of effective team goals.
Compare and contrast individual skills vs. collaboration roles and responsibilities.

2. Identify interpersonal relationships as a Surgical Technologist.

Learning Objectives

Define and describe types of communication relationships.
Discuss methods for successful surgical team participation.
Discuss goals of communication.
Describe the significance of content and tone in communication.
Demonstrate body language and non-verbal communication.

Identify the skills necessary to resolve conflict in the workplace.
Distinguish the types of behavioral concerns found in society.
Discuss the strategies to negotiate effective problem resolution.
Discuss the role of morality during ethical decision-making.
Discuss examples of ethical situations and problems in the health profession.

3. Discover technology science concepts. i.e. Information technology, electricity, lasers, minimally invasive applications, and interventional radiology applications.

Learning Objectives

Describe the basic concepts of a computer system.
Describe best practices in securing protected health information (PHI).

4. Explain physical environment of the operating room for the Surgical Technologist.

Learning Objectives

Discuss the location of the surgical services within the healthcare facility.
Describe basic floor plan designs for surgical services.
Explain the principles underlying the design of the surgical department.
Describe the principles of environmental system safety controls.
Identify the purposes of the various types of equipment.
Review the uses of the various types of equipment.
Describe the perioperative handling of equipment.

5. Clarify ethical and moral issues in Surgical Technology.

Learning Objectives

Understand the influence of ethics in professional practice.
Discuss the key elements related to developing a surgical conscience.
Discuss principles of patient confidentiality, including verbal and written.

6. Describe healthcare facility information.

Learning Objectives

Compare the different roles of the team members in the surgical setting.
Identify the proper chain of command in the operating room.
Describe the healthcare facility (HCF) departments that provide direct and indirect patient care.
Describe the healthcare agencies that impact the provision of surgical services.
Summarize the American Hospital Association's (AHA) Patient Care Partnership.

7. Explain electricity in the operating room.

Learning Objectives

Define terminology.
Describe the principles of electrical flow.
Describe the various components of the electrosurgical unit.

8. Explain wound management.

Learning Objectives

Define terminology related to sutures.
Discuss the requirements of suture packaging.
List the desired characteristics of suture materials.
Describe the factors that must be considered when choosing suture material.
Explain the characteristics used to classify suture material.
Analyze the characteristics of each type of suture material.
Describe the characteristics of suture needles.
Identify the factors that must be considered when choosing a suture needle.
Describe the parts of a suture needle.
Explain the principles of handling suture needles.
Describe the various types of suture techniques.
Define the types of wound closure.

9. Describe the perioperative documentation.

Learning Objectives

Summarize the purpose of documentation.
Describe the documents found in the surgical patient's chart.
Discuss the purpose of informed consent.
Describe the types of informed consent.

10. Explain surgical incisions and wound exposure.

Learning Objectives

Identify the anatomy as related to each type of incision.
Distinguish among the various types of incision.
Identify surgical incision selection based upon proper planning.
Describe the principles of exposure.

11. Review anatomy, physiology, and microbiology of the surgical patient.

Learning Objectives

Identify the basic organizational structures of the human body, including body planes, general organization, and terms of reference.
Analyze the types of tissue that make up organs and the characteristics of each.
Identify the name and function of various parts of the compound microscope.
Compare and contrast the structure and characteristics of different microorganisms.
Analyze the various immune responses that occur in the body as defenses against invasion of pathogens.

SCC Accessibility Statement

Disability Services provides accommodations and other supports to students with permanent and temporary disabilities that affect their SCC experience. Disabilities may include mental health (anxiety, depression, PTSD), ADHD, learning disabilities, chronic health conditions (migraine, fibromyalgia), sensory disabilities, and temporary disabilities (broken arm, surgery). Common accommodations are extended test time, private room for testing, audiobooks, and sign language interpreter.

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