

COURSE PREFIX NO.:	SUR 101
COURSE TITLE:	Intro to Surgical Technology
LECTURE HRS/WK:	3.0
LAB HRS/WK:	6.0
CREDITS HRS/SEMESTER:	5.0

[Distance Learning Attendance/VA Statement](#)
[Textbook Information](#)

COURSE DESCRIPTION

This course includes a study of the surgical environment, team concepts, aseptic technique, hospital organization, basic instrumentation and supplies, sterilization, principles of infection control, and wound healing.

COURSE COMPETENCIES

MODULE 1: The Surgical Technologist

1. Discuss the development of the surgical technologist profession after World War II.
2. Describe the process of certification for the surgical technologist.
3. Discuss career opportunities available to the surgical technologist.
4. List personal attributes for success as a surgical technologist.
5. Describe the process of certification.
6. Identify the duties of the surgical technologist.

MODULE 2: Surgical Instruments

1. Describe several methods of learning about instruments.
2. Develop a personal plan for learning instruments.
3. Identify the different types of finishes on surgical instruments.
4. Differentiate types of instruments by their function.
5. Describe the care and handling of instruments.
6. Differentiate types of instruments by their function.
7. Describe the care and handling of instruments.

MODULE 3: The Patient in Surgery

1. Define patient-centered care and outcome-oriented care.
2. Discuss concepts of patient care that apply to the surgical technologist.
3. List the domains of Maslow's hierarchy.
4. Describe the role of the technologist in each of the domains of Maslow's hierarchy.
5. Describe some common patient fears and their origins.
6. Discuss why patients feel a loss of security as a result of illness and surgery.
7. Apply the concept of body image to disfigurement.
8. Discuss and practice therapeutic communication.
9. Describe therapeutic touch in health care.
10. Define cultural competence and discuss its importance in ethics and health care.
11. Define spirituality as it applies to patient care.
12. List the developmental stages of the pediatric patient and describe pediatric patient's beliefs about surgery according to their developmental stage.
13. Discuss the physiological risks of the elderly patient.

14. Describe how to communicate with an elderly patient.
15. Discuss the impaired patient and how to provide support to this patient group.
16. List patient groups who are at high risk in the event of surgery.

MODULE 4: Death and Dying

1. Define end of life and death.
2. Describe the Kübler-Ross stages of dying.
3. Discuss ways to provide comfort and support the patient in the dying period.
4. Understand the conflicts and the stress of families during the dying period.
5. Discuss significant ethical issues surrounding death and dying.
6. Define cultural competence as it applies to the dying patient.
7. Discuss the physical changes in the body immediately following death.
8. Describe post mortem care.
9. List organizations that provide education and services for organ and tissue donation.
10. Define the criteria for organ procurement.
11. Discuss how health care workers can obtain support for stressful events in the workplace.
12. Identify one's own plan for self-care in times of stress.

MODULE 5: Introduction to the Health Care Facility

1. Discuss the purposes of the operating room design.
2. Describe safe traffic patterns in the operating room.
3. Differentiate restricted, semi-restricted, and non-restricted areas of the operating room.
4. Discuss environmental controls in the surgical suite and why they are important.
5. Identify operating room staff members and their duties.
6. Define hospital policy.
7. Describe the process of health care accreditation.
8. Describe an organizational chart and explain its significance in an organization.
9. Define chain of command.
10. State the importance of a job description.
11. List common hospital ancillary services and describe their functions.

MODULE 6: Communication and Teamwork

1. Describe the meaning of content and tone in communication.
2. Demonstrate body language and describe its meaning.
3. Discuss the significance of touch in communication.
4. Demonstrate active listening skills.
5. Describe the dimensions of assertive behavior.
6. Discuss types of problem behavior and how to cope with them.
7. Discuss how to approach problem behavior in the workplace.
8. Define sexual harassment and discuss how to confront it.
9. Describe the qualities of good teamwork.
10. Describe three approaches to conflict solving and give examples.
11. Describe how poor teamwork results in poor patient care.

MODULE 7: Environmental Hazards

1. Discuss fuels and sources of ignition commonly found in the operating room.
2. Describe how to respond appropriately to a patient fire.
3. Describe how to respond appropriately to a structural fire.
4. Identify methods associated with preventing fires in the operating room.
5. Describe measures to safely store, transport, and use compressed gas cylinders.
6. Identify precautions to prevent patient burns resulting from electrical equipment.
7. Identify precautions to prevent exposure to ionizing radiation.
8. Describe methods to avoid chemical injury.
9. Analyze a chemical label.

10. Describe toxic substances in smoke plumes.
11. Identify safe use of the smoke evacuator.
12. Identify the practice of Standard Precautions.
13. Discuss various techniques to prevent sharps injuries.
14. Identify the practice for transmission-based precautions.
15. Identify methods to properly handle and dispose of hazardous waste in the operating room.

MODULE 8: Transporting, Transferring, and Positioning the Surgical Patient

1. Describe the responsibilities of the surgical technologist in patient transport and transfer.
2. Use the correct procedure to identify a patient.
3. Demonstrate how to assist a patient from a bed to a wheelchair.
4. Identify how to ease a patient to the ground in the event of a fall.
5. Demonstrate how to safely transfer a patient from a bed to a stretcher.
6. Describe how to safely transport a patient by stretcher.
7. Demonstrate the transfer of a patient from a stretcher to the operating table.
8. Identify the proper transport for a pediatric patient.
9. Describe the use of common operating table accessories.
10. Describe the principles of safe positioning.
11. Describe the consequences of nerve and blood vessel compression
12. Describe how to prevent shearing injury.
13. Describe the stages of decubitus ulcers and how to prevent them.
14. Describe compartment syndrome and how to prevent it.

MODULE 9: Surgical Pharmacology and Anesthesia

1. Recognize general terminology and abbreviations associated with pharmacology and anesthesia.
2. Assess the action, uses, and modes of administration of drugs and anesthetic agents used in the care of the surgical patient.
3. Recognize the side effects and contraindications for use of drugs and anesthetic agents.
4. Interpret the factors that influence anesthesia selection for individual patients.
5. Demonstrate safe practice in transferring drugs and solutions from the nonsterile area to the sterile field.
6. Demonstrate the procedure for identifying a drug or solution on the sterile field.
7. Analyze how sterile technique is used in relation to certain anesthesia procedures.
8. Convert equivalents from one system to another and accurately identify, mix, and measure drugs for patient use.
9. Compare and contrast the roles of the STSR and circulator during the administration of anesthesia.
10. Demonstrate the precautions in identifying drugs and solutions in the OR.
11. List the equipment used as an adjunct to anesthesia

MINIMAL STANDARDS

The student **must earn a satisfactory final grade (80% or higher)** in this course to continue in the Surgical Technology Program per the program policies as outlined in the Surgical Technology Student Handbook.

COURSE REQUIREMENTS

In order to successfully complete SUR 101, the student is required to fulfill the following requirements:

1. Complete all reading assignments prior to class sessions.
2. Successfully complete all competency-based exams, quizzes, projects and assignments with a minimum average grade of 80%.
3. See SUR 101 Addendum for further requirements.

EVALUATION STRATEGIES

Written Exams

- Each module will have a minimum of one (1) exam.
- The exams will be administered in the Assessment Center. Please consult the Assessment Center for specific hours of operation **(981-7176)**.
- The exam can be constructed with multiple choice questions, matching, fill-in-the-blank, essay (short essays) and may be in electronic or paper format.
- Failure to take the exam will result in the student receiving a zero (0) for that exam.
- See Course Addendum for make-up policy.

GRADING PROCEDURES

Grades will be based on performance on written competency-based tests, class work, projects, and quizzes. Exam material will come from textbook, lecture material, handouts, and class discussion. See addendum for grading policy details.

College Grading Scale

93 -100	A
85 - 92	B
80 - 84	C
75 - 79	D
Below 75	F

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ATTENDANCE

Attendance Policy

The Surgical Technology program will adhere to the attendance policy as written in the York Technical College Catalog & Handbook. (Limited absences to 10% of scheduled class meetings. Absences in excess of 10% will result in a failing grade for the course and removal from the Surgical Technology Program.)

Late arrivals / Early departures

Attendance in a class meeting requires being in the classroom prepared for class at the time the class is scheduled to begin **and** remaining in the classroom until the instructor concludes the class session. Students are expected to arrive to class meetings at or before the scheduled start time and stay for the entire class session. Three (3) late arrivals and/or early departures will equal one (1) absence.

Students are required to phone the instructor for all absences and late arrivals.

ACADEMIC INTEGRITY

The policies stated in the *York Technical College Catalog & Handbook* and the *Surgical Technology Handbook* will be enforced.

ENTRY LEVEL SKILLS

A student entering SUR 101 should have appropriate entrance scores for the Surgical Technology Program and the willingness to read, comprehend, and communicate effectively.

PREREQUISITES

None

CO REQUISITES

SUR 102

SUR 130 is a co-requisite for the Surgical Technology Diploma and is not a requirement for the Central Service Certificate.

DISABILITIES STATEMENT

Any student who feels s/he may need an accommodation based on the impact of a disability should contact the Special Resources Offices (SR) at 803-327-8007 in the 300 area of Student Services. The SRO coordinates reasonable accommodations for students with documented disabilities.