

COURSE INFORMATION

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: Orientation to Surgical Technology

1. Demonstrate principles of communication in the surgical setting by the use of verbal and non-verbal communication.
2. Relate awareness of aseptic principles to the surgical technologist's role in the care of the surgical patient.
3. Trace the historical development of surgical technology.
4. Recognize members of the surgical team and their roles.
5. Compare and contrast the various roles of the surgical technologist.
6. Interpret the components of a job description for the surgical technologist.
7. Summarize the different types of health care facilities.
8. Analyze a typical hospital organizational structure.
9. Classify hospital departments and their relationship to surgical services.

MODULE 2: Standards of Conduct

1. Analyze major concepts inherent in professional practice law.
2. Interpret the legal responsibilities of the surgical technologist and other surgical team members.
3. Analyze the American Hospital Association's Patient Care Partnership.
4. Describe the need for professional liability insurance policies.
5. Analyze the key elements related to developing a surgical conscience.
6. Assess the resources that aid the surgical technologist in interpreting and following professional standards of conduct.
7. Develop an increased sensitivity to the influence of ethics in professional practice.
8. Analyze the role of morality during ethical decision making.
9. Cite examples of ethical situations and problems in the health professions.

MODULE 3: The Surgical Patient

1. Assess the patient's response to illness and hospitalization.
2. Develop an enhanced understanding that all surgical patients have the right to the highest standards and practices in asepsis through demonstration and group discussion.

3. Distinguish and assess the physical, spiritual, and psychological needs of a patient.
4. Distinguish and assess cultural and religious influences on the surgical patient.

MODULE 4: Special Populations

1. Compare and contrast the surgical care considerations for pediatric patients and patients who are obese, diabetic, pregnant, immunocompromised, disabled, geriatric, or experiencing trauma.
2. Evaluate the unique physical and psychological needs of each special population.
3. Compare and contrast the intraoperative considerations for pediatric patients and patients who are obese, diabetic, immunocompromised, geriatric, or traumatized that relate to postoperative wound healing.
4. Evaluate the role of the surgical technologist in the surgical care of each special population.
5. Assess the ethical commitment that is required of surgical technologists as it relates to special populations care.
6. Determine the general needs associated with special populations of surgical patients.

MODULE 5: Physical Environment and Safety Standards

1. Recognize the hazards to the patient in the operative environment.
2. Distinguish among the support services who work with the OR team in the care of the patient.
3. Review the type of air-handling system required in the OR and the temperature and humidity required in maintaining a sterile field.
4. Indicate cleaning procedures, traffic patterns, and routines required in the operative environment.
5. Analyze the role of the surgical technologist in the protection of self, patients, and others from hazards in the operative environment.
6. Recognize the design types of the OR.
7. Classify hospital departments that relate to surgical services.
8. Recognize the working environment of the OR.
9. Determine the physical components of the OR.

MODULE 6: Hemostasis and Emergency Situations

1. Compare and contrast methods of hemostasis and blood replacement and demonstrate the preparation and use of appropriate agents or devices.
2. Recognize developing emergency situations, initiate appropriate action, and assist in the treatment of the patient.
3. Apply knowledge of radiological and chemical injuries and biological warfare to the treatment of the patient.

MINIMAL STANDARDS

Students must have a final average of 80% or better in lecture and a final average of 80% or better in the laboratory component of this course. If either the lecture or the lab average is below 80%, the student will **not successfully complete** this course. The student must **earn a satisfactory final grade (80% or higher)** in this course to continue in the Surgical Technology Program.

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%.

EVALUATION STRATEGIES

Written Exams:

Each module will have a minimum of one (1) exam. All tests will be announced one (1) week prior to the exam date. The exam can be constructed with multiple choice questions, matching, fill-in-the-blank, essay (short essays) or class presentations/projects. **If a student will be absent on the day of the exam she/he is to contact the instructor prior to class.** If a student is not present on the day of the assigned exam, the grade for the exam will be dropped one letter grade. The student must make an appointment with the Assessment Center **(981-7176) to schedule a time to complete the exam.** The exam must be taken prior to the next class meeting. If a student fails to make up the exam, the student will receive a grade of zero (0) on the exam. No exams will be returned to the student until all students have taken the exam.

Lab Competencies:

All competency skills assessments will be announced a minimum of one (1) week prior to the check-off. If a student is not present on "check-off" day, each missed competency will be dropped one letter grade. She/he must make up the missed competency(s) on a designated date set by the instructor. In the event the student fails to attend the makeup day, a grade of zero "0" will be **earned** and the student may be dismissed from the Surgical Technology Program.

GRADING PROCEDURES

Grades will be based on performance on written competency-based tests, class work, projects, and quizzes. Exam material will come from text book, lecture material, handouts, and class discussion.

Evaluation of performance:

- Module Exams: 50%
- Class work/Homework: 20%
- Projects: 30%

College Grading Scale:

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

- There will be an exam for each Module (6). Each exam will count as 8.3% of your final grade.
- Homework for each module will count as 3.3% of your final grade.
- Two class projects will each count as 15% of your final grade.

ATTENDANCE

Attendance Policy:

Students are expected to attend all lecture and lab sessions of SUR 101. If an absence is unavoidable, the student must contact the instructor prior to the class and/or lab session. Failure to attend class will result in an absence. After two absences, a written warning will be issued. The third absence could result in withdrawal from the program at the discretion of the program director. SUR students are responsible for explaining EACH absence. Please see the SUR TECH Student Handbook for additional information.

It is the judgment and experience of the program administrator that more than **two** absences make successful satisfactory completion of course requirements very difficult. The student may apply to be considered for re-admission if all other grades and lab performance are satisfactory according to York Tech policy. Refer to the *York Technical College Student Catalog & Handbook*. Students should realize the direct relationship that exists between good grades and class attendance.

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.

Lab attendance:

The student must attend lab as scheduled. Any time missed must be made up as soon as possible by scheduling it with the lab instructor. If a student must be absent, the lab instructor is to be notified as soon as possible. Students must attend lab regularly as scheduled as an employee would be responsible to the workplace.

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.

Revised: 8/09