



Course Number and Title: SGT 100 Introduction to Surgical Technology

Campus Location:

Dover

Effective Date:

2018-53

Prerequisite:

ENG 090 or ENG 091, SSC 100 or concurrent

Co-Requisites:

None

Course Credits and Hours:

2.00 credits

1.00 lecture hours/week

2.00 lab hours/week

Course Description:

This course introduces surgical technology as a technical profession. Topics include professionalism, communication, the biopsychosocial needs of the surgical patient, ethical/legal issues specific to the perioperative setting, and patient and workplace safety. This course also introduces skill development related to sterile technique.

Required Text(s):

Obtain current textbook information by viewing the [campus bookstore - https://www.dtcc.edu/bookstores](https://www.dtcc.edu/bookstores) online or visit a campus bookstore. Check your course schedule for the course number and section.

Additional Materials:

None

Schedule Type:

Classroom Course

Disclaimer:

None

Core Course Performance Objectives (CCPOs):

1. Analyze the development of the surgical technologist role and employment opportunities available for the surgical technologist. (CCC 1; PGC 1)
2. Describe the physical environment in the operating room, healthcare facility organization, and management. (CCC 1; PGC 1,4, 5)
3. Analyze legal issues, documentation, and risk management related to healthcare providers. (CCC 1, 5; PGC 1, 4, 5)
4. Assess the proper identification process for a surgical patient. (CCC 1, 5; PGC 5)
5. Discuss the biopsychosocial needs of the surgical patient. (CCC 1, 5; PGC 2, 4, 5)
6. Demonstrate the steps of a hand wash and a surgical scrub. (CCC 2, 4, 5; PGC 4, 5)
7. Demonstrate tasks related to pre-operative case management. (CCC 1, 2, 3, 5; PGC 1, 2, 3, 4, 5)

See Core Curriculum Competencies and Program Graduate Competencies at the end of the syllabus. CCPOs are linked to every competency they develop.

Measurable Performance Objectives (MPOs):

Upon completion of this course, the student will:

1. Analyze the development of the surgical technologist role and employment opportunities available for the surgical technologist.
 1. Discuss the circumstances that prompted the need for operating room technicians.
 2. Discuss how the military influenced refining the role of the operating room technician (ORT).
 3. Identify the organizations that formalized the technologist education.
 4. Discuss current employment trends and opportunities.
 5. Interpret the components of the surgical technologist job description.
 6. List employment facilities and institutions.
 7. Discuss employability skills and attributes needed for success in the surgical technologist field.
 8. Define *scope of practice* and *aeger primo*.
 9. Explain the importance of critical thinking, surgical conscience, and teamwork.
2. Describe the physical environment in the operating room, healthcare facility organization, and management.
 1. Review floor plan designs for an operating room (OR).
 2. Describe the traffic patterns in the OR.
 3. Discuss environmental controls in the OR and why they are important.
 4. Identify environmental hazards.
 5. Identify standard equipment and furniture in the operating room suite.
 6. Identify the sections and functions of the OR table.
 7. Discuss facility chain of command.
 8. Differentiate healthcare facility departments related to direct and indirect patient care.
 9. List healthcare agencies.
3. Analyze legal issues, documentation, and risk management related to healthcare providers.
 1. Discuss legal terminology.
 2. Interpret the legal responsibilities of all surgical team members.
 3. Discuss criminal and civil liabilities and the consequences of these acts as they relate to surgical technology.
 4. Identify common areas of negligence in the OR.
 5. Discuss the professional standards of conduct.
 6. Define the Association of Surgical Technologist (AST) code of ethics and recommended standard of practice.
 7. Identify operating room sentinel events and risk management for sentinel events.
 8. Explain the Health Insurance Portability and Accountability Act (HIPAA) and the standards for maintaining patient confidentiality that apply to the surgical technologist.
 9. Explain the purpose of advanced directives and how they impact patient care.
4. Assess the proper identification process for a surgical patient.
 1. State the purpose for proper identification.
 2. Verify correct patient information using time out and safety checklist.
 3. Demonstrate the process to report identification discrepancies.
 4. Communicate effectively with the surgical team.
5. Discuss the biopsychosocial needs of the surgical patient.
 1. Compare and contrast various spiritual and cultural needs of the surgical patient.
 2. Define *patient-centered care* and *outcome-oriented care*.
 3. Discuss the surgical care considerations for pediatric, diabetic, obese, pregnant, immunosuppressed, disabled, geriatric, and trauma patients.
 4. Evaluate attitudes, beliefs, and classifications regarding death and dying.
 5. Compare and contrast responses to the process of death and various coping strategies and mechanisms.
6. Demonstrate the steps of a hand wash and a surgical scrub.
 1. Identify the critical elements of a proper hand wash.
 2. Demonstrate the steps of a hand wash.
 3. Demonstrate timed method, counted brush stroke method, and waterless/brushless methods of a surgical scrub.
7. Demonstrate tasks related to pre-operative case management.
 1. Discuss terms related to asepsis.
 2. Discuss sources of contamination.
 3. Demonstrate sterile technique in pre-operative case management.
 4. Identify, report, and communicate with the team breaks in sterility.
 5. Distinguish between sterile and non-sterile items.
 6. Distinguish between closed-gloving and open-gloving techniques.
 7. Apply proper sterile technique when opening sterile supplies
 8. Demonstrate proper donning and doffing of sterile attire.
 9. Demonstrate opening sterile supplies and equipment draping.

Evaluation Criteria/Policies:

Students must demonstrate proficiency on all CCPOs at a minimal 75 percent level to successfully complete the course. The grade will be determined using the Delaware Tech grading system:

92	-	100	=	A
83	-	91	=	B
75	-	82	=	C
0	-	74	=	F

Students should refer to the [Student Handbook - https://www.dtcc.edu/handbook](https://www.dtcc.edu/handbook) for information on the Academic Standing Policy, the Academic Integrity Policy, Student Rights and Responsibilities, and other policies relevant to their academic progress.

Final Course Grade:

Calculated using the following weighted average

Evaluation Measure	Percentage of final grade
Exams (Summative) (Equally Weighted)	35%
Quizzes (Formative)	10%
Lab Assessments (Formative)	35%
Final Lab Assessment (Summative)	20%
TOTAL	100%

Core Curriculum Competencies (CCCs are the competencies every graduate will develop):

1. Apply clear and effective communication skills.
2. Use critical thinking to solve problems.
3. Collaborate to achieve a common goal.
4. Demonstrate professional and ethical conduct.
5. Use information literacy for effective vocational and/or academic research.
6. Apply quantitative reasoning and/or scientific inquiry to solve practical problems.

Program Graduate Competencies (PGCs are the competencies every graduate will develop specific to his or her major):

1. Differentiate the roles and responsibilities of all surgical team members.
2. Demonstrate the ability to anticipate the needs of surgical patients by properly preparing the operating room suite, equipment, and instrumentation required for surgical interventions.
3. Demonstrate a professional demeanor when communicating with patients and fellow team members.
4. Synthesize a surgical conscience.
5. Participate as an effective and clinically proficient member of the surgical team throughout the perioperative, intraoperative and immediate postoperative periods.

Disabilities Support Statement:

The College is committed to providing reasonable accommodations for students with disabilities. Students are encouraged to schedule an appointment with the campus Disabilities Support Counselor to request an accommodation needed due to a disability. A listing of campus Disabilities Support Counselors and contact information can be found at the [disabilities services - https://www.dtcc.edu/disabilitysupport](https://www.dtcc.edu/disabilitysupport) web page or visit the campus Advising Center.