

Course Number and Title: SGT 223 Surgical Technology Lab III

Campus Location:

Dover

Effective Date:

2021-51

Prerequisite:

SGT 200, SGT 202, SGT 203, SGT 210 or concurrent, SGT 213 or concurrent

Co-Requisites:

SGT 220

Course Credits and Hours:

2.00 credits

0.00 lecture hours/week

5.00 lab hours/week

Course Description:

This course highlights the fundamental techniques necessary for assuming the responsibilities of a surgical technologist. Preoperative, intraoperative, and postoperative patient care concepts with both non-sterile and sterile responsibilities are emphasized. Students reinforce skills associated with patient positioning, draping, and setting up specialty equipment required for surgical procedures in the specialty areas of oral and maxillofacial, plastic and reconstructive, genitourinary, orthopedic, peripheral vascular, and cardiothoracic surgery.

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. Demonstrate tasks related to preoperative, intraoperative, and postoperative case management. (CCC 1, 2, 3, 5; PGC 1, 2, 3, 5)
2. Analyze techniques related to wound closure and healing. (CCC 1, 2, 5; PGC 2, 4, 5)
3. Prepare a simulated operating room for open and laparoscopic procedures in the specialties of oral and maxillofacial, plastic and reconstructive, genitourinary, orthopedic, peripheral vascular, and cardiothoracic surgery. (CCC 1, 2, 3, 4, 5, 6; PGC 1, 2, 3, 4, 5)
4. Perform the duties of the surgical technologist in the assistant circulator or scrub role. (CCC 1, 2, 3, 4, 5, 6; 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. Demonstrate tasks related to preoperative, intraoperative, and postoperative case management.
 1. Perform a surgical hand scrub.
 2. Apply proper sterile technique when opening sterile supplies.
 3. Demonstrate proper donning and doffing of sterile attire.
 4. Apply the procedure for counting instruments, sharps, sponges, and other supplies on the sterile field.
 5. Apply the procedure for handling a miscount.
 6. Demonstrate draping for various surgical procedures applying sterile technique.
 7. Identify methods used to analyze, plan, and prepare for the needs of the surgical procedure.
 8. Use the case cart system.
 9. Set up and organize a sterile field.
 10. Perform different methods for transporting, transferring, and positioning the surgical patient.
 11. Compare and contrast various types of skin preparations and safety concerns.
 12. Demonstrate the steps for skin preparations.
 13. Identify the components of specialty equipment.
 14. Setup electrical equipment and instrumentation for use considering the principles of electricity, electrical flow, and patient safety.
 15. Work effectively as a team member.
2. Analyze techniques related to wound closure and healing.
 1. Differentiate among various methods of hemostasis.
 2. Compare and contrast suture materials and suture sizing, and analyze their significance.
 3. Demonstrate proper suture selection, preparation, handling, and cutting techniques.
 4. Select appropriate needle points and needle bodies.
 5. Demonstrate the proper placement, handling, loading, and disposal of surgical needles.
 6. Demonstrate the application of surgical stapling devices.
 7. Analyze advantages and disadvantages of various tissue repair and replacement materials.
 8. Demonstrate basic wound care concepts.
3. Prepare a simulated operating room for open and laparoscopic procedures in the specialties of oral and maxillofacial, plastic and reconstructive, genitourinary, orthopedic, peripheral vascular and cardiothoracic surgery.
 1. Discuss specific factors that are unique to the procedure.
 2. Prepare and organize the supplies, equipment, and instrumentation needed for the procedure.
 3. Prepare instrumentation to follow the correct order of the steps in the procedure.
 4. Demonstrate the appropriate draping techniques for various procedures.
 5. Create preference cards for cases according to the surgeon's preference.
4. Perform the duties of the surgical technologist in the assistant circulator or scrub role.
 1. Recall the correct order of steps taken during the surgical intervention.
 2. Identify the appropriate instrumentation used for each step of a procedure.
 3. Demonstrate the proper technique for passing and using surgical instruments.
 4. Perform intraoperative surgical counts.
 5. Respond to the surgical team's requests for instrumentation, equipment, and supplies.
 6. Demonstrate the proper technique for decontamination and sterilization of instrumentation.

Evaluation Criteria/Policies:

The grade will be determined using the Delaware Tech grading system:

90	-	100	=	A
80	-	89	=	B
70	-	79	=	C
0	-	69	=	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
Lab Assessment 1 (Summative)	15%
Lab Assessment 2 (Summative)	15%
Lab Assessment 3 (Summative)	15%
Final Lab Assessment (Summative)	55%
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.