



## Course Number and Title: SGT 203 Surgical Technology Lab I

**Campus Location:**

Dover

**Effective Date:**

2018-53

**Prerequisite:**

BIO 100, BIO 121, BIO 125, ENG 102, MAT 129, SGT 100

**Co-Requisites:**

SGT 200

**Course Credits and Hours:**

2.00 credits

0.00 lecture hours/week

2.00 lab hours/week

**Course Description:**

This course highlights the fundamental techniques necessary for assuming the responsibilities of a surgical technologist. Preoperative and intraoperative patient care concepts with both non-sterile and sterile responsibilities are emphasized. Students develop skills related to instrumentation, equipment, patient transportation, surgical positioning, and preoperative patient preparation.

**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. Examine the classifications, parts, finishes, materials, names, and uses of surgical instruments. (CCC 2, 5; PGC 2, 5)
2. Demonstrate tasks related to preoperative, intraoperative, and postoperative case management. (CCC 1, 2, 3, 5; PGC 1, 2, 3, 5)
3. Analyze techniques related to wound closure and healing. (CCC 1, 2, 5; PGC 2, 4, 5)
4. Prepare a simulated operating room for open and laparoscopic procedures in the specialties of general, obstetrics, and gynecology. (CCC 1, 2, 3, 4, 5, 6; PGC 1, 2, 3, 4, 5)
5. Perform the duties of the surgical technologist in the assistant circulator, first, or second 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. Examine the classifications, parts, finishes, materials, names, and uses of surgical instruments.
  1. Describe the name, classification, and use of surgical instruments.
  2. Explain the relationship between instrument type and usage.
  3. Identify various parts of the surgical instruments.
  4. Select an appropriate instrument according to its purpose.
  5. Demonstrate the proper passing technique for all classifications of instruments.
2. 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. Discuss the legal responsibilities of counts.
  5. Apply the procedure for counting instruments, sharps, sponges, and other supplies on the sterile field.
  6. Apply the procedure for handling a miscount.
  7. Explain the electronic methods of tracking counts.
  8. Demonstrate draping for various surgical procedures applying sterile technique.
  9. Identify methods used to analyze, plan, and prepare for the needs of the surgical procedure.
  10. Use the case cart system.
  11. Set up and organize a sterile field.
  12. Perform different methods for transporting, transferring, and positioning the surgical patient.
  13. Distinguish various types of skin preparations and safety concerns.
  14. Demonstrate the steps for skin preparations.
  15. Identify the basic components of accessory and specialty equipment and their applications.
  16. Set up electrical equipment and instrumentation for use considering the principles of electricity, electrical flow, and patient safety.
  17. Work effectively as a team member.
  18. Perform placement of a Foley catheter.
3. 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.
4. Prepare a simulated operating room for open and laparoscopic procedures in the specialties of general, obstetrics, and gynecology.
  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.
5. Perform the duties of the surgical technologist in the assistant circulator, first, or second 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. Prepare a surgical specimen.

### 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
Lab Assessment 1 (Summative)	10%
Lab Assessment 2 (Summative)	10%
Lab Assessment 3 (Summative)	10%
Lab Assessment 4 (Summative)	10%
Final Lab Assessment (Summative)	60%
Formative Assessments	No Grade
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.