

SOUTHEAST COMMUNITY COLLEGE
HEALTH SCIENCES DIVISION
SURGICAL TECHNOLOGY
Revision Date: 11/2023

I. CATALOG DESCRIPTION

Course Number: SURT 1750
Course Title: Clinical Education 1
Prerequisite(s): Admission to the Surgical Technology Program

Catalog Description: Clinical practice with application of the student's basic skills, aseptic technique, and instrument knowledge to operative procedures in the hospital.

Credit Hours: 5
Class Hours: 0
Lab Hours: 225
Total Contact Hours: 225

II. COURSE OBJECTIVES: *Course will:*

1. Offer the student opportunities to gain confidence functioning as a member of the surgical team during the preoperative, intraoperative, and postoperative phases of the surgical procedure in the hospital setting.
2. Provide the student with clinical experiences in the hospital setting during which they can apply their knowledge of aseptic technique and critical thinking skills.
3. Allow the student to demonstrate the previously learned skills of the role of the surgical technologist during surgical procedures in the hospital setting.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

A. STUDENT LEARNING OUTCOMES: *Students will be able to:*

1. Demonstrate principles of communication in the surgical setting
2. Demonstrate body language and non-verbal communication
3. Demonstrate principles of teamwork in the surgical environment
4. Demonstrate the key elements related to developing a surgical conscience
5. Demonstrate responsible and accountable behavior within the role and competencies of the surgical technologist
6. Demonstrate electrical safety
7. Demonstrate knowledge of operating the electrosurgical unit
8. Demonstrate proper care and handling of surgical lasers
9. Demonstrate patient and healthcare provider safety in relationship to lasers in a surgical setting
10. Demonstrate the assembly of various types of equipment
11. Demonstrate the use of various types of equipment
12. Demonstrate the care of various types of equipment
13. Demonstrate perioperative instrument handling
14. Demonstrate proper transport of instrumentation
15. Demonstrate the role of the surgical technologist in the application of surgical supplies
16. Demonstrate proper sterile technique in a surgical environment

17. Demonstrate point-of-use cleaning methods
18. Demonstrate the use of various types of sterilization machines
19. Demonstrate proper technique in storing, handling, and distributing sterile supplies
20. Describe the use of the surgeon's preference card
21. Demonstrate opening sterile supplies
22. Demonstrate the procedure to correct contaminations during the opening process
23. Demonstrate the process of organizing the sterile field
24. Demonstrate the principles of economy of motion
25. Demonstrate the principles of spatial awareness when organizing the sterile field
26. Demonstrate the finalization of the sterile field
27. Demonstrate modifications to setting up the sterile field that must be taken when a special circumstance occurs
28. Demonstrate the steps of a medical hand wash
29. Demonstrate the steps for preparing to complete a surgical scrub
30. Demonstrate the steps of performing a surgical scrub
31. Apply the principles of asepsis to gowning and gloving self
32. Apply the principles of asepsis to gowning and gloving other team members
33. Demonstrate the procedure for counting sponges, sharps, instruments, and accessory items on the field
34. Demonstrate the principles of asepsis when draping the patient, furniture, and equipment
35. Demonstrate participation in the Surgical Safety Checklist process
36. Participate in the identification process of a surgical patient
37. Demonstrate the principles of safe patient transport and transfer
38. Demonstrate basic positioning of the surgical patient
39. Demonstrate urinary catheterization
40. Demonstrate skin preparation
41. Demonstrate techniques for tissue exposure
42. Demonstrate sharps safety
43. Demonstrate fire safety precautions during the intraoperative surgical phase
44. Demonstrate correctly passing instruments
45. Demonstrate methods for monitoring the sterile field
46. Demonstrate performing counts
47. Demonstrate transfer of care
48. Demonstrate managing medications
49. Demonstrate techniques for handling various types of specimens
50. Demonstrate handling of various types of sponges on the sterile field
51. Demonstrate application of various types of dressings
52. Demonstrate the surgical technologist's role in hemostasis
53. Demonstrate proper suture selection, preparation, handling, and cutting techniques
54. Demonstrate proper placement, handling, loading, and disposal of surgical needles
55. Demonstrate the application of the principles of asepsis to basic wound care techniques
56. Demonstrate specimen handling and the validation process
57. Demonstrate the preparation of surgical dressings
58. Demonstrate the application of surgical dressings
59. Demonstrate the breakdown of the sterile field
60. Demonstrate disinfection of the surgical environment
61. Demonstrate the perioperative duties of the assistant circulator to include documentation
62. Surgical Rotation Care Requirements:
 - a. Describe the purpose of the observation role

- b. Develop professional competency by performing in the scrub role during an arranged clinical experience
- c. Evaluate the development of professionalism throughout clinical experiences using various methods
- d. Utilize sufficient documentation for verifying cases and roles performed
- e. Demonstrate procedural proficiency by completing a minimum, of 120 surgical cases throughout both SURT1750 and SURT1850 courses.

B. GENERAL EDUCATION LEARNING OUTCOMES

1. GELO 3: Critical Thinking & Problem Solving

Synthesize information to arrive at reasoned solutions to problems.

2. GELO 6: Career and Life Skills

Employ effective interpersonal and intrapersonal communication skills.

IV. CONTENT/TOPICAL OUTLINE (*course outline may provide more detailed information*)

- A. Unit 1 – Successful Clinical Experience Through Constructive Behaviors
- B. Unit 2 – Aseptic Principles in a New Environment
- C. Unit 3 – Pre-case Duties of the Student Surgical Technologist
- D. Unit 4 – Intraoperative Phase- Duties of the Student Surgical Technologist
- E. Unit 5 – Duties of a Student Circulating Surgical Technologist

V. INSTRUCTIONAL MATERIALS

A. Required Text(s):

Association of Surgical Technologists. *Surgical Technology for the Surgical Technologist* (current edition)
 Nemitz, Renee. *Surgical Instrumentation: An Interactive Approach* (current edition)
 Pieknik, R. *Suture and Surgical Hemostasis; A Pocket Guide* (current edition)
 Goldman, M. A. *Pocket Guide to the Operating Room* (current edition)

B. Other Resources:

Trajecsys Reporting System access

VI. METHODS OF PRESENTATION/INSTRUCTION

A. Methods of presentation typically include a combination of the following:

Clinical experience within an assigned clinical institution. May include: Lecture, Video, Demonstration, Syllabus objectives, Class participation, and Hospital staff direction.

VII. METHODS OF EVALUATION

SCC STANDARD GRADING SCALE POLICY:

A+	95-100	C+	75-79
A	90-94	C	70-74
B+	85-89	D+	65-69
B	80-84	D	60-64
		F	Below 60

VIII. SPECIFIC COURSE REQUIREMENTS

For specific course requirements please see the Course Information Document (CID) and Program Handbook.

Minimum passing final grade for this course is a 75% (C+). Below 75% = recycle and repeat the course. This course cannot be taken as PASS/FAIL.