



Western Technical College

10512132 Surgical Technology Clinical 1

Course Outcome Summary

Course Information

Description	Apply basic surgical theories, principles, and procedural techniques in the operating room. Students begin to function as team members under the guidance of the instructor and authorized clinical personnel.
Career Cluster	Health Science
Instructional Level	Associate Degree Courses
Total Credits	3
Total Hours	162

Pre/Corequisites

Pre/Corequisite 10512131 Surgical Interventions 1

Textbooks

Alexander's Surgical Procedures. Copyright 2012. Rothrock, Jane C. Publisher: Elsevier Science. **ISBN-13:** 978-0-323-07555-8. Required. (Part of Western Bundle Package **ISBN-13:** 978-0-323-46478-9)

Suture and Surgical Hemostasis Pocket Guide. Copyright 2006. Pieknik, Rebecca. Publisher: Elsevier Science. **ISBN-13:** 978-1-4160-2247-3. Required. (Part of Western Bundle Package **ISBN-13:** 978-0-323-46478-9)

Pharmacology for Surgical Technologist. 4th Edition. Copyright 2017. Snyder, Katherine. Publisher: Elsevier Science. **ISBN-13:** 978-0-323-34083-0. Required. (Part of Western Bundle Package **ISBN-13:** 978-0-323-46478-9)

Surgical Technology for the Surgical Technologist: A Positive Care Approach. 5th Edition. Copyright 2018.

Association of Surgical Technologists. Publisher: Cengage Learning. **ISBN-13:** 978-1-305-95641-4. Required.

512-120 & 512-125 Intro to Surgical Technology Lab and Instrumentation Booklet. Western. Publisher: Western. Required.

Success Abilities

1. Cultivate Passion: Enhance Personal Connections
2. Cultivate Passion: Expand a Growth-Mindset
3. Cultivate Passion: Increase Self-Awareness
4. Live Responsibly: Embrace Sustainability
5. Live Responsibly: Foster Accountability
6. Refine Professionalism: Act Ethically
7. Refine Professionalism: Improve Critical Thinking
8. Refine Professionalism: Participate Collaboratively
9. Refine Professionalism: Practice Effective Communication

High Impact Practices

1. Technology-Enhanced Learning: this course will incorporate digital technologies like gamification, virtual reality experiences, or simulations. In addition, you will create technology-enhanced products such as ePortfolios, multimedia presentations, or other e-products to showcase your learning.
2. Work-Based Learning: this course applies your learning to your desired profession by working in industry placements such as internships, practicums, clinicals, or co-ops.

Program Outcomes

1. Apply healthcare and technological science principles to the perioperative environment
2. Maintain principles of sterile technique in the surgical environment
3. Provide a safe, efficient, and supportive environment for the patient
4. Prepare the patient, operating room and surgical team for the preoperative phase
5. Perform intraoperative case management in the scrub role
6. Perform postoperative case management
7. Function as an ethical, legal, and professional member of the healthcare team as determined by governing bodies

Course Competencies

1. Adapt to clinical site with continuous guidance

Assessment Strategies

- 1.1. Clinical Evaluation
- 1.2. Self Assessment
- 1.3. Reflection

Criteria

- 1.1. you demonstrate problem-solving skills
- 1.2. you demonstrate conflict management skills
- 1.3. you seek out learning opportunities
- 1.4. you respond to changes in the operative milieu
- 1.5. you ask questions pertaining to clinical site routines
- 1.6. you verbalize needs to instructor

Learning Objectives

- 1.a. Build learning opportunities in cooperation with clinical site routines with continuous guidance.
- 1.b. Execute problem-solving and conflict management skills within the perioperative setting with continuous guidance.
- 1.c. Build professionalism in the scrub role during an arranged clinical experience.

2. Adapt to clinical site with continuous guidance

Assessment Strategies

- 2.1. in the clinical setting with a checklist

Criteria

- 2.1. you demonstrate problem-solving skills
- 2.2. you seek out learning opportunities
- 2.3. you respond to changes in the operative milieu
- 2.4. you ask questions pertaining to clinical site routines
- 2.5. you verbalize needs to instructor

3. Practice standard precautions with continuous guidance

Assessment Strategies

- 3.1. Master skill checklist
- 3.2. Performance
- 3.3. Clinical Evaluation

Criteria

- 3.1. you wear personal protective equipment as needed for the procedure
- 3.2. you wash your hands as needed
- 3.3. you protect unopened supplies from contamination
- 3.4. you follow facility routines regarding contamination
- 3.5. you follow facility routines regarding specific precautions
- 3.6. you report breaks in technique

Learning Objectives

- 3.a. Follow principles of standard precautions with continuous guidance.
- 3.b. Identify appropriate personal protective equipment use within the perioperative setting with continuous guidance.
- 3.c. Identify breaks in sterile technique following facilities protocols with continuous guidance.
- 3.d. Perform the steps of a medical hand wash with continuous guidance.

4. Maintain sterile technique with continuous guidance

Assessment Strategies

- 4.1. Master skill checklist
- 4.2. Skill Demonstration
- 4.3. Clinical Evaluation

Criteria

- 4.1. you demonstrate surgical conscience in all activities
- 4.2. you recognize and correct contamination identified by self or staff
- 4.3. you confer with staff regarding any compromise in technique you do not understand
- 4.4. you adhere to principles of sterile and aseptic technique

Learning Objectives

- 4.a. Build a "surgical conscience" during perioperative activities with continuous guidance.
- 4.b. Correct contamination while adhering to principles of sterile and aseptic technique with continuous guidance.
- 4.c. Identify methods for monitoring the sterile field.

5. Perform preoperative case management with continuous guidance

Assessment Strategies

- 5.1. Master skill checklist

Criteria

- 5.1. you use preference card to pull assigned cases
- 5.2. you select items to be opened
- 5.3. you arrange furniture in the OR for assigned case
- 5.4. you bring in needed equipment for the assigned case
- 5.5. you place sterile supplies on appropriate surfaces for opening
- 5.6. you assist with opening supplies
- 5.7. you open your own gown and gloves
- 5.8. you scrub for assigned case
- 5.9. you gown and glove self
- 5.10. you gown and glove other team members
- 5.11. you set up sterile field
- 5.12. you prepare sharps for use
- 5.13. you perform counts with circulator
- 5.14. you hand drapes to the surgeon or assistant
- 5.15. you assist with draping
- 5.16. you prepare for assigned cases
- 5.17. you use medical terminology
- 5.18. you perform in a timely manner

Learning Objectives

- 5.a. Identify the supplies, equipment, and instrumentation needed for a procedure with continuous guidance.
- 5.b. Perform sterile technique when opening sterile supplies in preparation of a surgical procedure with continuous guidance.
- 5.c. Identify and correct contaminations during the opening process with continuous guidance.
- 5.d. Build principles of asepsis self while gowning and gloving self and team members with continuous guidance.
- 5.e. Perform the process of organizing the sterile field with continuous guidance.
- 5.f. Execute the principles of economy of motion with continuous guidance.
- 5.g. Build principles of spatial awareness when organizing the sterile field with continuous guidance.
- 5.h. Perform the finalization of the sterile field with continuous guidance.
- 5.i. Identify the modifications to setting up the sterile field that must be taken when a special circumstance occurs.
- 5.j. Perform the procedure for counting sponges, sharps, instruments, and accessory items on the field with continuous guidance.
- 5.k. Execute the principles of asepsis when preparing drapes, draping the patient, furniture, and equipment with continuous guidance.

6. Perform intraoperative case management with continuous guidance

Assessment Strategies

- 6.1. Master skill checklist
- 6.2. Skill Demonstration
- 6.3. Clinical Evaluation

Criteria

- 6.1. you apply light handles and attach cautery and suction as needed
- 6.2. you have sponges in place
- 6.3. you hand sharps safely and correctly
- 6.4. you hand instruments safely and correctly
- 6.5. you prepare sutures and needles safely and correctly
- 6.6. you handle solutions safely
- 6.7. you label all solutions and or medications
- 6.8. you respond to surgeon effectively
- 6.9. you communicate with circulator effectively
- 6.10. you maintain organized sterile tables

- 6.11. you handle specimens appropriately
- 6.12. you initiate counts at appropriate times
- 6.13. you perform counts following facility policy
- 6.14. you prepare dressings as needed
- 6.15. you begin to anticipate surgeon's needs
- 6.16. you perform in a timely manner

Learning Objectives

- 6.a. Identify fire safety precautions during the intraoperative surgical phase with continuous guidance.
- 6.b. Build aseptic technique and identify breaks in sterile technique in the perioperative setting with continuous guidance.
- 6.c. Build anticipation of surgeon and team needs with continuous guidance.
- 6.d. Identify methods for monitoring the sterile field with continuous guidance.
- 6.e. Perform the principles of asepsis for basic wound care techniques with continuous guidance.
- 6.f. Execute correct instrument passing with continuous guidance.
- 6.g. Execute management of medications with continuous guidance.
- 6.h. Perform sharps safety with continuous guidance.
- 6.i. Identify proper suture selection, preparation, handling and cutting techniques with continuous guidance.
- 6.j. Copy proper placement, handling, loading, and disposal of surgical needles with continuous guidance.
- 6.k. Perform techniques for handling various types of specimens with continuous guidance.
- 6.l. Perform surgical counts with continuous guidance.

7. Perform postoperative case management with continuous guidance

Assessment Strategies

- 7.1. in the clinical setting with a checklist

Criteria

- 7.1. you maintain sterile field until patient has left the room
- 7.2. you handle all materials safely
- 7.3. you place sharps in proper container
- 7.4. you handle all biohazardous waste following facility policy
- 7.5. you follow policy regarding care of instruments
- 7.6. you assist with patient transfer as needed
- 7.7. you remove gown and gloves properly
- 7.8. you use non-sterile gloves for clean up
- 7.9. you follow policy for disposal of linens
- 7.10. you transport dirty cart to designated area
- 7.11. you follow policy for room cleanup
- 7.12. you return unneeded supplies to proper places
- 7.13. you perform in a timely manner

Learning Objectives

- 7.a. Identify the preparation of surgical dressings with continuous guidance.
- 7.b. Imitate the application of surgical dressings with continuous guidance.
- 7.c. Perform breakdown of the sterile field with continuous guidance.
- 7.d. Perform safe actions with disposal of all biohazard sharps with continuous guidance.
- 7.e. Execute standard precautions to all biohazard products during handling with continuous guidance.
- 7.f. Execute disinfection of the surgical environment with continuous guidance.
- 7.g. Perform correct doffing of surgical attire and properly dispose with continuous guidance.
- 7.h. Perform hand washing at designated scrub sink with continuous guidance.

8. Operate within the legal, moral, and ethical responsibilities of the surgical technologist with continuous guidance

Assessment Strategies

- 8.1. in the clinical setting with a checklist

Criteria

- 8.1. you perform counts with the circulating RN
- 8.2. you request assistance with anything you are unsure of
- 8.3. you maintain patient confidentiality
- 8.4. you do not abandon any patient

- 8.5. you speak up for the patient as needed
- 8.6. you take part in the "time out" to identify surgical site with the rest of the team
- 8.7. you follow directions of the staff/team
- 8.8. you call for instructor when needed
- 8.9. you report incidences to preceptor or appropriate clinical staff
- 8.10. you complete written incidence reports as necessary

Learning Objectives

- 8.a. Perform HIPAA guidelines to all interactions within the perioperative setting.
- 8.b. Build legal, moral, and ethical principles within the perioperative setting.
- 8.c. Build cultural competency within the perioperative setting.
- 8.d. Identify the key elements related to developing a surgical conscience.
- 8.e. Execute responsible and accountable behavior within the role of the surgical technologist with continuous guidance.

9. Manage pharmacological agents with continuous guidance

Assessment Strategies

- 9.1. in the clinical setting with a checklist

Criteria

- 9.1. you research all medications prior to use
- 9.2. you follow procedure for receiving medications
- 9.3. you label medications and solutions
- 9.4. you identify medication when handing to the surgeon
- 9.5. you keep track of amount of medication used during the procedure and report to circulator
- 9.6. you dispose of unused medications appropriately
- 9.7. you handle medications safely
- 9.8. you ask questions if unsure of anything regarding medications or solutions
- 9.9. you evaluate medication type, strength and dosage

Learning Objectives

- 9.a. Execute safe practices in accepting and preparing medications in the ST scrub role with continuous guidance.
- 9.b. Build and understand all medications, solutions, dosages, strengths, and actions while in ST scrub role with continuous guidance.
- 9.c. Identify all medications, solutions, dosages, strengths, and actions as they relate to assigned surgical procedures with continuous guidance.

10. Demonstrate professionalism with continuous guidance

Assessment Strategies

- 10.1. in the clinical setting with a checklist

Criteria

- 10.1. you arrive at clinical to receive assignment in a timely manner
- 10.2. you notify instructor and/or clinical site of absence before scheduled time
- 10.3. you demonstrate critical thinking
- 10.4. you ask questions appropriate to the assignment as needed
- 10.5. you research assigned procedures
- 10.6. you practice ethical behaviors
- 10.7. you communicate effectively
- 10.8. you help maintain a safe environment for the surgical patient
- 10.9. you follow facility policies regarding the operating room environment
- 10.10. you work as a member of the team
- 10.11. you accept constructive comments and feedback from others
- 10.12. you maintain a positive attitude
- 10.13. you seek out learning experiences
- 10.14. you accept assignments willingly

Learning Objectives

- 10.a. Build responsible and accountable behavior within the ST role with continuous guidance.
- 10.b. Execute knowledge of assigned surgical procedures with continuous guidance.
- 10.c. Perform principles of positive teamwork in the surgical environment with continuous guidance.

11. Demonstrate professionalism with continuous guidance

Assessment Strategies

- 11.1. in the clinical setting with a checklist

Criteria

- 11.1. you arrive at clinical to receive assignment in a timely manner
- 11.2. you notify instructor and/or clinical site of absence before scheduled time
- 11.3. you demonstrate critical thinking
- 11.4. you ask questions appropriate to the assignment as needed
- 11.5. you research assigned procedures
- 11.6. you practice ethical behaviors
- 11.7. you communicate effectively
- 11.8. you help maintain a safe environment for the surgical patient
- 11.9. you follow facility policies regarding the operating room environment
- 11.10. you work as a member of the team
- 11.11. you accept constructive comments and feedback from others
- 11.12. you maintain a positive attitude
- 11.13. you seek out learning experiences
- 11.14. you accept assignments willingly
- 11.15. you demonstrate conflict management skills

12. Assist with circulating duties with continuous guidance

Assessment Strategies

- 12.1. in the clinical setting with a checklist

Criteria

- 12.1. you check the patient's identification
- 12.2. you help transfer the patient onto the OR bed
- 12.3. you participate in operation site identification during "time out" as defined by facility
- 12.4. you assist anesthesiologist as needed
- 12.5. you assist with positioning the patient
- 12.6. you assist with skin preparation following facility guidelines
- 12.7. you assist with attaching cautery, suction and other equipment as needed
- 12.8. you pay attention to the progress of the procedure
- 12.9. you respond to requests from the sterile team members in a timely manner
- 12.10. you respond to emergencies as they present themselves
- 12.11. you assist with securing dressings at end of procedure
- 12.12. you stay available for anesthesiologist during extubation
- 12.13. you assist with patient transfer to the recovery cart
- 12.14. you assist in transporting the patient to the PACU as needed
- 12.15. you help with room turn over

Learning Objectives

- 12.a. Perform operating room preparation
- 12.b. Identify the monitoring of patient vital signs.
- 12.c. Perform aseptic urinary catheterization.
- 12.d. Transport patient to operating room with patient transport device
- 12.e. Engage in patient transfer from stretcher to the surgical table.
- 12.f. Perform the connection of accessory devices to patient.
- 12.g. Execute patient positioning.
- 12.h. Perform surgical skin prep.
- 12.i. Execute patient transfer from the surgical table to stretcher.