



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

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: Develop Resilience
5. Live Responsibly: Embrace Sustainability
6. Live Responsibly: Foster Accountability
7. Refine Professionalism: Act Ethically
8. Refine Professionalism: Improve Critical Thinking
9. Refine Professionalism: Participate Collaboratively
10. Refine Professionalism: Practice Effective Communication

Experiential Learning

1. Work Based Learning

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. in the clinical setting with a checklist

Criteria

You will know you are successful when

- 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. Identify changes in the operative milieu with continuous guidance.
- 1.b. Manage learning opportunities in cooperation with clinical site routines with continuous guidance.
- 1.c. Develop problem-solving and conflict management skills within the perioperative setting with continuous guidance.
- 1.d. Adapt practices related to changes within the clinical setting with continuous guidance.

2. Practice standard precautions with continuous guidance.

Assessment Strategies

- 2.1. in the clinical setting with a checklist

Criteria

You will know you are successful when

- 2.1. you wear personal protective equipment as needed for the procedure.
- 2.2. you wash your hands as needed.
- 2.3. you protect unopened supplies from contamination.
- 2.4. you follow facility routines regarding contamination.
- 2.5. you follow facility routines regarding specific precautions.
- 2.6. you report breaks in technique.

Learning Objectives

- 2.a. Demonstrate principles of standard precautions with continuous guidance.
- 2.b. Demonstrate appropriate personal protective equipment use within the perioperative setting with continuous guidance.
- 2.c. Correct breaks in sterile technique following facilities protocols with continuous guidance.

3. Maintain sterile technique with continuous guidance.

Assessment Strategies

- 3.1. in the clinical setting with a checklist

Criteria

You will know you are successful when

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

Learning Objectives

- 3.a. Adapt practice using "surgical conscience" during perioperative activities with continuous guidance.
- 3.b. Correct contamination adhering to principles of sterile and aseptic technique with continuous guidance.

4. Perform preoperative case management with continuous guidance.

Assessment Strategies

- 4.1. in the clinical setting with a checklist

Criteria

You will know you are successful when

- 4.1. you use preference card to pull assigned cases.
- 4.2. you select items to be opened.
- 4.3. you arrange furniture in the operating room for assigned case.
- 4.4. you bring in needed equipment for the assigned case.
- 4.5. you place sterile supplies on appropriate surfaces for opening.
- 4.6. you assist with opening supplies.
- 4.7. you open your own gown and gloves.
- 4.8. you scrub for assigned case.
- 4.9. you gown and glove self.
- 4.10. you gown and glove other team members.
- 4.11. you set up sterile field.
- 4.12. you prepare sharps for use.
- 4.13. you perform counts with circulator.
- 4.14. you hand drapes to the surgeon or assistant.
- 4.15. you assist with draping.
- 4.16. you prepare for assigned cases.
- 4.17. you use medical terminology.
- 4.18. you perform in a timely manner.

Learning Objectives

- 4.a. Demonstrates preparing the surgical suite of necessary supplies, furniture and equipment for assigned surgical procedures utilizing the surgical preference card with continuous guidance.
- 4.b. Demonstrates the process of donning surgical attire for self and surgical team members with continuous guidance.

- 4.c. Demonstrates sterile technique when opening sterile supplies in preparation for assigned surgical procedure with continuous guidance.
- 4.d. Demonstrate preparation for assigned surgical procedure including but not limited to; surgical field establishment, surgical counts, sharp safety, surgical draping preparation, and assistance with continuous guidance.

5. Perform intraoperative case management with continuous guidance.

Assessment Strategies

- 5.1. in the clinical setting with a checklist

Criteria

You will know you are successful when

- 5.1. you apply light handles and attach cautery and suction as needed.
- 5.2. you have sponges in place.
- 5.3. you hand sharps safely and correctly.
- 5.4. you hand instruments safely and correctly.
- 5.5. you prepare sutures and needles safely and correctly.
- 5.6. you handle solutions safely.
- 5.7. you label all solutions and or medications.
- 5.8. you respond to surgeon effectively.
- 5.9. you communicate with circulator effectively.
- 5.10. you maintain organized sterile tables.
- 5.11. you handle specimens appropriately.
- 5.12. you initiate counts at appropriate times.
- 5.13. you perform counts following facility policy.
- 5.14. you prepare dressings as needed.
- 5.15. you begin to anticipate surgeon's needs.
- 5.16. you perform in a timely manner.

Learning Objectives

- 5.a. Demonstrate safe medication labeling and handling during surgical procedure with continuous guidance.
- 5.b. Demonstrate intra-operative case management duties in an organized and timely manner with continuous guidance.
- 5.c. Demonstrate ability to effectively anticipate the surgeon's needs during surgical procedures with continuous guidance.
- 5.d. Demonstrate management of sharps, medications, instrument handing, surgical counts, dressing preparation, and surgical specimen care within assigned surgical procedures with continuous guidance.
- 5.e. Assess the needs of the surgical team with continuous guidance.
- 5.f. Anticipates the needs of the surgical team with continuous guidance.

6. Perform postoperative case management with continuous guidance.

Assessment Strategies

- 6.1. in the clinical setting with a checklist

Criteria

You will know you are successful when

- 6.1. you maintain sterile field until the patient has left the room.
- 6.2. you handle all materials safely.
- 6.3. you place sharps in proper container.
- 6.4. you handle all biohazardous waste following facility policy.
- 6.5. you follow policy regarding care of instruments.
- 6.6. you assist with patient transfer as needed.
- 6.7. you remove gown and gloves properly.
- 6.8. you use non-sterile gloves for clean up.
- 6.9. you follow policy for disposal of linens.
- 6.10. you transport dirty cart to a designated area.
- 6.11. you follow policy for room cleanup.
- 6.12. you return unneeded supplies to proper places.

6.13. you perform in a timely manner.

Learning Objectives

- 6.a. Demonstrate postoperative case management duties in an organized and timely manner with continuous guidance.
- 6.b. Apply standard precautions in performing postop case management activities with continuous guidance.
- 6.c. Demonstrate sharp safety during the postoperative period with continuous guidance.

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

Assessment Strategies

7.1. in the clinical setting with a checklist

Criteria

You will know you are successful when

- 7.1. you perform counts with the circulating RN.
- 7.2. you request assistance with anything you are unsure of.
- 7.3. you maintain patient confidentiality.
- 7.4. you do not abandon any patient.
- 7.5. you speak up for the patient as needed.
- 7.6. you take part in the "time out" to identify surgical site with the rest of the team.
- 7.7. you follow directions of the staff/team.
- 7.8. you call for instructor when needed.
- 7.9. you report incidences to the preceptor or appropriate clinical staff.
- 7.10. you complete written incidence reports as necessary.

Learning Objectives

- 7.a. Apply HIPPA guidelines to all interactions within the perioperative setting with continuous guidance.
- 7.b. Apply principles of surgical conscience within the perioperative setting with continuous guidance.
- 7.c. Participate in "Time Out" process during assigned surgical procedures with continuous guidance
- 7.d. Clarify intraoperative aspects of patient care which you are unclear of with continuous guidance.
- 7.e. Complete intraoperative reports related to patient care with continuous guidance.
- 7.f. Practice legal, moral, and ethical principles within the perioperative setting with continuous guidance.

8. Manage pharmacological agents with continuous guidance.

Assessment Strategies

8.1. in the clinical setting with a checklist

Criteria

You will know you are successful when

- 8.1. you research all medications prior to use.
- 8.2. you follow procedure for receiving medications.
- 8.3. you label medications and solutions.
- 8.4. you identify medication when handing to the surgeon
- 8.5. you keep track of amount of medication used during the procedure and report to circulator
- 8.6. you dispose of unused medications appropriately
- 8.7. you handle medications safely
- 8.8. you ask questions if unsure of anything regarding medications or solutions
- 8.9. you evaluate medication type, strength and dosage

Learning Objectives

- 8.a. Demonstrate safe practices in accepting and preparing medications on the sterile field with continuous guidance.
- 8.b. Manage medications, solutions, dosages, strengths, and actions prior to acceptance to sterile field with continuous guidance.
- 8.c. Identify role of the Surgical Technologist in medication preparation for the surgical field with continuous guidance.
- 8.d. Classify medications, solutions, dosages, strengths, and actions as they relate to assigned surgical procedures with continuous guidance.

9. Demonstrate professionalism with continuous guidance.

Assessment Strategies

9.1. in the clinical setting with a checklist

Criteria

You will know you are successful when

- 9.1. you arrive at clinical to receive assignment in a timely manner
- 9.2. you notify instructor and/or clinical site of absence before scheduled time
- 9.3. you demonstrate critical thinking
- 9.4. you ask questions appropriate to the assignment as needed
- 9.5. you research assigned procedures
- 9.6. you practice ethical behaviors
- 9.7. you communicate effectively
- 9.8. you help maintain a safe environment for the surgical patient
- 9.9. you follow facility policies regarding the operating room environment
- 9.10. you work as a member of the team
- 9.11. you accept constructive comments and feedback from others
- 9.12. you maintain a positive attitude
- 9.13. you seek out learning experiences
- 9.14. you accept assignments willingly

Learning Objectives

- 9.a. Demonstrates responsible and accountable behavior within the role and competencies of the surgical technologist with continuous guidance.
- 9.b. Apply knowledge of assigned surgical procedures when preparing for clinical experience with continuous guidance.

10. Assist with circulating duties with continuous guidance.

Assessment Strategies

10.1. in the clinical setting with a checklist

Criteria

You will know you are successful when

- 10.1. you check the patient's identification.
- 10.2. you help transfer the patient onto the operating room bed.
- 10.3. you participate in operation site identification during "time out" as defined by facility.
- 10.4. you assist anesthesiologist as needed.
- 10.5. you assist with positioning the patient.
- 10.6. you assist with skin preparation following facility guidelines.
- 10.7. you assist with attaching cautery, suction, and other equipment as needed.
- 10.8. you pay attention to the progress of the procedure.
- 10.9. you respond to requests from the sterile team members in a timely manner.
- 10.10. you respond to emergencies as they present themselves.
- 10.11. you assist with securing dressings at end of procedure.
- 10.12. you stay available for anesthesiologist during extubation.
- 10.13. you assist with patient transfer to the recovery cart.
- 10.14. you assist in transporting the patient to the PACU as needed.
- 10.15. you help with room turn over.

Learning Objectives

- 10.a. Discuss the perioperative duties of the assistant circulator with continuous guidance.
- 10.b. Demonstrate the duties of the assistant circulator including completion of documentation with continuous guidance.
- 10.c. Demonstrate duties of the assistant circulator in assisting during emergencies within the perioperative setting with continuous guidance.