



**BAKER COLLEGE**  
**STUDENT LEARNING OUTCOMES**

**SUR2210 Surgical Technology Lab I**  
**2 Semester Hours**

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**Student Learning Outcomes & Enabling Objectives**

1. Demonstrate sterile technique used in surgery.
  - a. Discuss the principles of asepsis.
  - b. Differentiate between sterile versus non-sterile.
  - c. Demonstrate proper donning of employee Operating Room (OR) attire: Personal Protective Equipment (PPE).
  - d. Properly open sterile supplies.
    - i. Open a back table
    - ii. Open a rigid instrument set
    - iii. Open a surgical gown
    - iv. Open a peel pack
  - e. Demonstrate hand hygiene and surgical scrub.
    - i. Medical hand wash
    - ii. Surgical scrub
    - iii. Dry hands and arms
  - f. Demonstrate gowning and gloving.
    - i. Self-gowning
    - ii. Gowning and gloving a team member
    - iii. Aseptic removal of gown and glove
  - g. Demonstrate the proper drape of a mayo stand.
  - h. Demonstrate the cleanup responsibilities.
  - i. Discuss environmental disinfection of the OR.
2. Investigate surgical instrumentation, supplies, and equipment.
  - a. Classify laparotomy instruments used for a surgical procedure.
  - b. Classify plastic surgery instruments used for a surgical procedure.
  - c. Identify various types of surgical sponges and their uses.
  - d. Identify surgical blades.
  - e. Demonstrate loading surgical blades.
  - f. Demonstrate loading suture needles.
  - g. Demonstrate the purpose and method of counting instrumentation and supplies.
  - h. Investigate specialty equipment and its usage during surgical procedures.
  - i. Investigate accessory equipment used during surgical procedures.
3. Demonstrate the methods of disinfection and sterilization.
  - a. Discuss the indicators that instruments or supplies are sterile.

- b. Discuss the chemicals used in the sterilization processes.
  - c. Discuss the parameters for using steam or gas when sterilizing instruments and supplies.
  - d. Discuss sterile storage and distribution.
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## **Big Ideas and Essential Questions**

### **Big Ideas**

- Surgical instrumentation, equipment, and supplies
- Sterile technique and surgical asepsis
- Sterilization and disinfection process as it relates to patient care items

### **Essential Questions**

1. How do the principles of asepsis relate to surgical intervention and movement in and around the sterile field?
  2. What are the parameters of sterility for objects used or contained within a sterile field?
  3. What are the names and functions of the instruments contained in a laparotomy tray and plastic surgery tray?
  4. What are the methods of sterilization or disinfection required for patient care items?
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## **Required Elements**

1. Students must pass all competencies contained on the final lab practical to continue in the program. Students who do not pass all elements of the final lab practical will be removed from the program.
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These SLOs are not approved for experiential credit.

**Effective: Summer 2020**