

# ALH 0024 - SKILLS LAB FOR SURGICAL TECHNOLOGY

## Catalog Description

Prerequisite: Completion of ALH 22 and ALH 23 with grades of "C" or better

Hours: 297 laboratory

Description: Students practice the clinical skills required to demonstrate competency in the operating room. Skills include, but are not limited to aseptic practices such as scrubbing, gowning and gloving, setting up the instrument table, positioning the patient, and passing instruments supplies and medications to the surgeon. Prepares the student for clinical internship. (letter grade only) (not transferable)

## Course Student Learning Outcomes

- CSLO #1: Demonstrate the principles of aseptic technique.
- CSLO #2: Apply proper technique to reduce the risks of physical, chemical and biological hazards to patients and personnel.

## Effective Term

Spring 2025

## Course Type

Credit - Degree-applicable

## Contact Hours

297

## Outside of Class Hours

0

## Total Student Learning Hours

297

## Course Objectives

1. Describe the general structure and function of the Operating Room within a healthcare facility.
2. Arrange the furniture and equipment of an operating room for a given surgical procedure.
3. Identify a Major instrument set.
4. Identify supplies common to most surgical procedures.
5. Prepare and maintain a sterile field.
6. Demonstrate safe handling of instruments and supplies.
7. Apply the principles of body mechanics in the transportation and positioning of the surgical patient.
8. Demonstrate professional communication skills.

## General Education Information

- Approved College Associate Degree GE Applicability
- CSU GE Applicability (Recommended-requires CSU approval)

- Cal-GETC Applicability (Recommended - Requires External Approval)
- IGETC Applicability (Recommended-requires CSU/UC approval)

## Articulation Information

- Not Transferable

## Methods of Evaluation

- Skill Demonstrations
  - Example: Following the lecture, the instructor will demonstrate safe and proper technique in preparing and maintaining a sterile field. Students will perform these skills with in a mock operating room set-up with appropriate surgical equipment, proper body mechanics, and surgical attire.

## Repeatable

No

## Methods of Instruction

- Laboratory

Lab:

1. Following lecture and discussion, instructor will demonstrate proper arrangement(s) of furniture and surgical equipment for a given surgical procedure. This will be followed by students performing these tasks/skills in the lab setting with skills checkoff.
2. Following lecture and discussion, instructor will demonstrate how to correctly and safely handle surgical instruments and supplies. This will be followed by students performing these tasks/skills in the lab setting with skills checkoff.

## Typical Out of Class Assignments Reading Assignments

1. Read section in textbook on the general structure and operating room. Students will identify the key principles of the structure or the operating room. Students will analyze the how and the why of each key principle of the structure and the complications that may arise. 2. Read section in textbook and review the various supplies and instrument sets for surgical procedures. Students will identify the key principles of specific supplies and instrument sets corresponding to the specified surgical procedures. Students will evaluate the implications and reasoning for each procedure in terms of specifics and understanding instruments.

## Writing, Problem Solving or Performance

Read section on Patient Transport and Transfers and respond to critical thinking clinical application questions. For Example: Submit a reflection on the importance of body mechanics when transporting patients and setting up surgical equipment.

## Other (Term projects, research papers, portfolios, etc.)

Write research on case studies on what happens without proper sanitation, disinfection, and sterilization of surgical settings.

## Required Materials

- Surgical Equipment and Supplies
  - Author: Colleen J. Rutherford
  - Publisher: FA Davis
  - Publication Date: 2023
  - Text Edition: 3
  - Classic Textbook?:
  - OER Link:
  - OER:
- Pocket Guide to the Operating Room
  - Author: Maxine A. Goldman
  - Publisher: FA Davis
  - Publication Date: 2020
  - Text Edition: 4TH
  - Classic Textbook?:
  - OER Link:
  - OER:
- Pharmacology for the Surgical Technologists
  - Author: Tiffany Howe, Angie Burton
  - Publisher: Elsevier
  - Publication Date: 2025
  - Text Edition: 6
  - Classic Textbook?:
  - OER Link:
  - OER:
- Surgical Technology for the Surgical Technologist Textbook
  - Author: Cengage
  - Publisher: Cengage
  - Publication Date: 2025
  - Text Edition: 6
  - Classic Textbook?:
  - OER Link:
  - OER:

**Other materials and-or supplies required of students that contribute to the cost of the course.**