

**SOUTHEAST COMMUNITY COLLEGE
HEALTH SCIENCES DIVISION
HEALTHCARE SERVICES
Revision Date: 11/2024**

I. CATALOG DESCRIPTION

Course Number: HLTH1253
Course Title: Sterile Processing
Prerequisite(s): None

Catalog Description: This course teaches students to handle medical equipment and surgical instrumentation in a safe and sanitary manner in order to begin to prepare them for work within a sterile processing department.

Credit Hours: 4
Class Hours: 45
Lab Hours: 45
Total Contact Hours: 90

II. COURSE OBJECTIVES: *Course will:*

1. Understanding Sterilization Techniques: Students will be able to identify and describe various sterilization methods, and their appropriate applications.
2. Practical Application of Sterile Processing Procedures: Students will demonstrate proficiency in decontamination, preparation, and packaging of surgical instruments, including the use of appropriate techniques and safety protocols to maintain sterility and prevent cross-contamination.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

A. STUDENT LEARNING OUTCOMES: *The student will be able to:*

1. Explain Roles and Responsibilities to include the history of SPD, the agencies that regulate it and the functions of the sterile processor and the sterile processing department.
2. Discuss basic sciences of Anatomy, Physiology and Microbiology to include body systems and microorganisms. To include how they work, their need to survive and the diseases that plague healthcare facilities.
3. Describe Infection Control in relation to the principles, concepts and the best way to protect yourself.
4. Explain Decontamination and perform the basics of cleaning, selection and use of detergents, various types of mechanical cleaning equipment, manual cleaning, processing of specialty devices.
5. Discuss Chemical Disinfection and types of disinfectants (environmental and high level), their uses and best practices.
6. Identify Patient Care Equipment - the various types of equipment, their uses and how to best process them.
7. Identify Preparation and Packaging - types of packaging materials and systems, wrapping methods, care and handling of rigid container systems.

8. Identify Surgical Instruments - basic instrument anatomy and uses, care, handling and testing of instruments, classifications of instruments and preparation of various devices.
9. Define Sterilization and the requirements for sterilization for steam, (pre-vac and gravity displacement), ethylene oxide gas, low temperature gas plasma, dry heat, ozone and peracetic acid sterilization. Use of chemical indicators, their classifications; use of biological testing and frequency. The new formulation of ozone sterilization has been included.
10. Discuss Sterile Storage - proper environmental conditions for sterile storage, transportation of sterile product. How to best protect stored items.
11. Discuss Inventory Control and Distribution - the various methods for supply distribution and inventory management concepts.

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

A. UNITS

1. Roles and Responsibilities
2. Sterile Supplies and Infection Control
3. Decontamination and Disinfection Processes
4. Processing Patient Care Equipment
5. Preparation and Packaging
6. Surgical Instruments and Specialty Devices
7. Sterilization
8. Sterile Storage, Inventory Control and Distribution

V. INSTRUCTIONAL MATERIALS REQUIRED

A. Required Text(s):

Provided

VI. METHODS OF PRESENTATION/INSTRUCTION

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

1. Lecture
2. Demonstration
3. Handout Materials
4. Class Participation/Presentations
5. Case Studies and Group Work
6. Guest Presenters
7. Websites
8. Power Point slides and videos
9. Pretests and worksheets
10. Games may be used to augment some of the units.

VII. METHODS OF EVALUATION

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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

A. ATTENDANCE

Attendance is crucial to the success of this course. Any class missed could mean valuable missed information, which is difficult to obtain. Please notify the instructor of any pending absences or if you will be late. Absences in excess of three hours may result in failing the course.

Please see course information document for course policies related to grading, expectations, assignments, assessments, and participation.