COURSE INFORMATION FORM

DISCIPLINE  Surgical Technology
COURSE TITLE  Central Services

CR.HR. 4  LECT HR. 2  LAB HR. 4  CLIN/INTERN HR.  _______  CLOCK HR. _______

CATALOG DESCRIPTION

This course focuses on the preparation of instruments and equipment for surgical procedures. The role of a Central Services Technician will be discussed. Upon successful completion of this course students will be eligible to sit for a central services national certification examination.

PREREQUISITES

None

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)

Upon completion of this course, the student will be able to:

1. Identify the classifications, names, parts, materials, finishes and uses of basic surgical instrumentation.
2. Apply knowledge of basic surgical instrumentation to specific surgical procedures.
3. Assess the function, assembly, use and care of surgical equipment in the surgical environment.
4. Identify the methods of processing items during terminal disinfection and or sterilization.
5. Compare the materials used for creating microbial barriers.
6. List the process for preparing items for sterilization.
7. Identify process monitoring devices and methods.
8. Apply principles of sterile storage to handling sterile supplies.
9. Identify systems used for sterile storage.
10. Perform decontamination of the operating room.

GENERAL EDUCATION OUTCOMES (ESO)

Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

Outcomes  ESO
PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES
Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the “Career and Technical Education template” to show the relationship between course and program outcomes to assessment measures.

Outcome 2:
The curriculum design, course content and faculty will prepare students to function as entry level surgical technologists.

CLASS-LEVEL ASSESSMENT MEASURES
Student accomplishment of expected student outcomes may be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Assignments (1, 2, 3, 4, 5, 6, 7, 8, 9, 10)
2. Written Examinations (1, 2, 3, 4, 5, 6, 7, 8, 9, 10)
3. Skill Assessments (8, 10)
Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. Roles and Responsibilities
   A. Sterilization importance
   B. Standards expected

II. Terminal Disinfection and Sterilization
   A. Definitions
   B. Methods
   C. Considerations
   D. Concepts of disinfection

III. Instrument Preparation and Wrapping
   A. Instrument classifications
   B. Parts
   C. Materials
   D. Finishes
   E. Instrument preparation
   F. Packaging methods
   G. Wrapping materials
   H. Concepts of loading packages on sterilizer cart

IV. Sterilization
   A. Microbial inactivation
   B. Standards, process and chemicals
   C. Considerations for items to be sterilized
   D. Sterilization agents
   E. Documentation and quality controls

II. Infection Control
   A. Process of infection
   B. Healthcare acquired infections
   C. Infection control methods
   D. Blood borne pathogens
   E. Microbiology applied to sterilization

III. Processing Patient Care Equipment
   A. Identify equipment
   B. Cleaning methods
IV. Decontamination
   A. Safety and personal protection equipment
   B. Purposes of environmental decontamination
   C. Disinfection process
   D. Types of disinfectants

V. Preparation, Packaging, and Instrumentation
   A. Materials and classes of instruments
   B. Inspection process
   C. Packaging
   D. Organization and documentation

VI. Sterile Storage
   A. Documentation
   B. Shelf life and transportation
   C. Environmental controls

VII. Inventory Control and Distribution
   A. Responsibilities
   B. Cost

VIII. Flexible Gastrointestinal Endoscopes
   A. Types and classification
   B. Cleaning and sterilization