

J. Sargeant Reynolds Community College
Course Content Summary

Course Prefix and Number: CSP 191

Credits: 3

Course Title: Fundamental Clinical Applications

Course Description: Provides students hands-on practice in the clinical setting of central sterile service with an emphasis on the decontamination and processing areas. Provides the clinical experience required for International Association of Healthcare Central Service Materiel Management (IAHCSMM) certification. Laboratory 9 hours per week.

General Course Purpose: This course provides clinical experience in the central sterile environment in preparation for practice as a certified central sterile technician, 135 hours toward the 400 clinical hours required for the IAHCSMM certification exam, and clinical experience in decontamination and processing.

Course Prerequisites and Co-requisites:

None

Student Learning Outcomes:

Upon completing the course, the student will be able to

- a. Demonstrate use of Personal Protective Equipment (PPE);
- b. Demonstrate procedure(s) that utilize infection prevention and control (before work practices and hand hygiene practices);
- c. Perform decontamination of hospital instrumentation and equipment;
- d. Demonstrate correct use of decontamination equipment;
- e. Demonstrate how to inspect, test, and process instrumentation in the clinical setting;
- f. Discuss environmental concerns in central service areas;
- g. Demonstrate how to select and use various types of disinfection;
- h. Demonstrate the use of various chemical monitors with the processing of instrumentation and equipment to help determine sterility;
- i. Use common cleaning chemicals and demonstrate basic protocols for their use;
- j. Illustrate the importance of brushes and cloths in an effective cleaning process;
- k. Apply the basis of distillation, deionization, and reverse osmosis water purification system;
- l. Explain regulations and standards required to perform duties safely;
- m. Demonstrate when it is appropriate to use machine washers versus hand washing of surgical equipment; and
- n. Demonstrate how to test decontamination equipment.

Major Topics to Be Included:

- a. Cleaning, decontamination, and disinfection processes
- b. Infection control
- c. Personal protective procedures and equipment
- d. Work area conditions
- e. Preparation of decontamination work area
- f. Quality testing of decontamination equipment
- g. Testing, inspecting, and processing instrumentation
- h. Documentation, recordkeeping, and maintenance of decontamination and processing areas
- i. Decontamination equipment
- j. Transportation of soiled instrumentation and equipment

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