

**J. Sargeant Reynolds Community College
Course Content Summary**

Prefix and Number: CSP 135

Credits: 2

Course Title: Central Sterile Infection Control

Course Description: Introduces the fundamentals of infection control. Content will include an introduction to concepts of microbiology including cell structure and theory, microbial function, human and pathogen relationships, infectious process, blood-borne and airborne pathogens, defense microorganisms, and principles of microbial control and destruction. Lecture 2 hours per week.

General Course Purpose: This course develops infection control knowledge and competency in the health care environment with a focus on the surgical microbial infection.

Course Prerequisites and Co-requisites:

None

Student Learning Outcomes:

Upon completing the course, the student will be able to

- a. Identify various microbes and the method of destruction for those microbes;
- b. Describe the relationship of pathogens and the human body;
- c. Demonstrate knowledge of blood-borne pathogens and airborne pathogens;
- d. Demonstrate knowledge of self-protection with protective wear;
- e. Explain the chain of infection and how to disrupt it; and
- f. Describe basic standard precautions.

Major Topics to Be Included:

- a. Infection Control and Patient Care
- b. Identification and Classification of Bacteria and Viruses
- c. Basic Facts of Microorganisms
- d. Transmission of Microorganisms
- e. The Chain of Infection
- f. Non-bacterial Organisms
- g. History of Infection Control
- h. Control and Destruction of Microorganisms

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