

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

Course Prefix and Number: SUR 135 **Credits:** 2

Course Title: Infection Control

Course Description:

Introduces the fundamentals of surgical microbiology. Includes an introduction to cell structure and theory, microbial function, human pathogen relationships, infectious process, blood borne and airborne pathogens, defense microorganisms, infection control, and microbial control and destruction. Lecture 2 hours. Lab 0 hours. Total 2 hours per week. 2 credits

General Course Purpose:

The purpose of this course is to develop competency in surgical microbial infection control in the sterile environment. The focus is having students understand how to protect the patient as well as themselves as the health care providers. The course introduces students to these topics without any lab experience.

Course Prerequisites and Co-requisites:

None

Student Learning Outcomes:

- Identify various microbes and the method of destruction for those microbes
- Describe the relationship of pathogens and the human body
- Demonstrate knowledge of blood borne pathogens and air borne pathogens
- Demonstrate knowledge of self-protection with protective wear

Major Topics to Be Included:

- Infection control & Patient Care
- Overview of Microbiology
- Identification and Classification of Bacteria
- Basic facts of Microorganisms
- Transmission of Microorganisms
- The Chain of Infection
- Non-bacteria organisms
- History of Infection Control
- Control and Destruction of Microorganisms

Effective Date/Updated: August 1, 2023