

Course Description

FSE2106 | Funeral Service Microbiology | 3.00 credits

This course is a survey of the basic principles of microbiology as it relates to Funeral Science. It emphasizes the importance of sanitation, disinfection, and public health in the embalming practice.

Course Competencies:

Competency 1: The student will be able to explain the basic microbial morphology and physiology by:

1. Describing the size and shape of spherical (coccus) rod (bacillus) and spiral organisms
2. Describing the arrangements of cocci and bacilli organisms

Competency 2: The student will be able to explain the physiology of bacteria by:

1. Describing their typical reproduction
2. Describing the conditions that affect bacterial growth

Competency 3: The student will be able to explain the levels of controlling microorganisms in the preparation room by:

1. Describing the differences between sterilization, disinfection, and antiseptic treatment
2. Demonstrating the methods of controlling microorganisms through scrubbing, incineration, and dry and moist heat disinfection
3. Demonstrating the methods of controlling microorganisms through chemical disinfectants
4. Demonstrating the use of disinfectants that are suitable for mortuary procedures

Competency 4: The student will be able to describe microorganisms and disease by:

1. Explaining the terminology for microorganisms and disease
2. Describing the various types and sources of infection and factors influencing virulence

Competency 5: The student will be able to demonstrate how to protect him/herself from contagious diseases by:

1. Explaining OSHA regulations in the preparation room
2. Explaining the portals of entry and exit of infectious diseases
3. Explaining the vehicles exiting pathogens

Learning Outcomes:

- Communicate effectively using listening, speaking, reading, and writing skills
- Solve problems using critical and creative thinking and scientific reasoning
- Formulate strategies to locate, evaluate, and apply information
- Create strategies that can be used to fulfill personal, civic, and social responsibilities
- Describe how natural systems function and recognize the impact of humans on the environment