

Course Description

FSE1105 | Funeral Service Chemistry | 3.00 credits

A survey of the basic principles of chemistry as they relate to funeral service. Especially stressed are the chemical principles and precautions involved in sanitation, disinfection, public health, and embalming practice. Emphasis is placed on chemical composition of embalming fluids as it relates to arterial, cavity, hypodermic, and surface embalming.

Course Competencies:

Competency 1: The student will learn about the potentially harmful chemicals in the embalming room by:

1. Identifying the major hazardous chemicals embalmers use by their exposure signs and symptoms
2. Identifying extremely hazardous combinations of common chemicals used in the embalming room
3. Identifying the primary and secondary uses for the common chemicals used in the embalming room

Competency 2: The student will be able to list the components of arterial fluids and preservative solutions by:

1. Differentiate between the several types of supplemental chemicals
2. Determining the appropriate supplemental chemical to be used in a specific clinical situation
3. Describing accessory chemicals and how they augment the preservative solutions

Competency 3: The student will identify chemical changes in the essential compounds of the human body by:

1. Describing the effects of decomposition on proteins, fats, and carbohydrates
2. Describing the several preservative chemical effects on proteins, fats, and carbohydrates

Learning Outcomes:

- 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