Miami Dade College

Course Competency

FSE 1105 FUNERAL SERVICE CHEMISTRY

Course Description

This course is a survey of the basic principles of chemistry as they relate to Funeral Science. Especially stressed are the chemical principles involved in sanitation, disinfection, public health and embalming practice. The development and use of personal, professional and community sanitation practices are explored as well as the use and precautions related to potentially harmful chemicals that are currently employed in the field of funeral service.

Course Competency	Learning Outcomes
Competency 1: The student will learn about the potentially harmful chemicals in the embalming room by:	1. Critical thinking 2. Information Literacy 3. Ethical Issues 4. Environmental Responsibility
1. Identifying the major hazardous chemicals used by embalmers by their signs and symptoms of exposure. 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. Critical thinking 2. Information Literacy 3. Social Responsibility 4. Environmental Responsibility
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 on the basic compounds of the human body by:	1. Critical thinking 2. Information Literacy
1. Describing the effects of decomposition on proteins, fats, and carbohydrates. 2. Describing the several preservative chemical effects on proteins, fats, and carbohydrates.	

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