

## **Course Description**

### **FSE2140L | Embalming 2 Laboratory | 2.00 credits**

The goal of this lab is for students to use critical thinking skills to operate independently in a lab setting. Students will learn advanced procedures to enhance their foundational knowledge of embalming techniques as learned in the prerequisite classes FSE2100/FSE2100L. Prerequisites: FSE2100, FSE2100L, Co-requisite: FSE2140

## **Course Competencies:**

**Competency 1:** The student will demonstrate proficiency in embalming by:

1. Describing the basic steps involved in the embalming process for autopsied, un-autopsied, donor, and infant cases
2. Applying all the standards and rules of the Occupational Safety and Health Act (OSHA) to all embalming lab procedures
3. Determining necessary pre-embalming corrective measures
4. Locating vessels within the common injection sites
5. Raising vessels within the common injection sites
6. Setting features using industry-standard methods
7. Applying the various sutures to their appropriate applications

**Competency 2:** The student will demonstrate appropriate vessel and chemical selection based on a thorough case analysis by:

1. Selecting the appropriate chemicals to prepare the arterial embalming solution
2. Using the appropriate sundry chemicals for unique treatments, including gels, hardening compounds, crystallized paraformaldehyde, and mold preservatives
3. Mixing the chemicals correctly by following the prescribed industry formula for hypertonic/hypotonic solutions
4. Raising smaller vessels to supplement the common injection sites

**Competency 3:** The student will demonstrate his/ her ability to treat pathological conditions that could affect the success of the embalming treatment by:

1. Using the correct chemicals prescribed for a specific pathological condition
2. Removing a pathological growth that would affect the preservation and restoration of the deceased

## **Learning Outcomes:**

- Use quantitative analytical skills to evaluate and process numerical data
- Solve problems using critical and creative thinking and scientific reasoning
- Formulate strategies to locate, evaluate, and apply information
- Demonstrate knowledge of diverse cultures including global and historical perspectives
- Demonstrate an appreciation for aesthetics and creative activities
- Describe how natural systems function and recognize the impact of humans on the environment