

## **Course Description**

### **MLT1196 | Laboratory Safety and Regulations | 2.00 credits**

This course will introduce students to the rules and regulations governing safety in the histotechnology laboratory. It will also introduce students to the federal regulations pertaining to the histotechnology laboratory and methods of compliance. Prominent safety issues to be covered include the biological and chemical hazards in histology laboratory, formaldehyde standard, hazardous waste disposal and minimization.

### **Course Competencies:**

**Competency 1:** The student will demonstrate knowledge, comprehension of laboratory safety by:

1. Practicing acceptable laboratory safety such as hand-washing, and Universal precautions
2. Following institutional policies and procedures related to laboratory safety
3. Identifying laboratory safety procedures for working with hazardous materials and methods of disposal
4. Describing possible chemical, biological, and mechanical hazards associated with the histology laboratory
5. Describing toxic chemicals used in the histology laboratory
6. Evaluating specific hazards associated with toxic chemicals in the histology laboratory
7. Describing the use of MSDS sheets

**Competency 2:** The student will demonstrate knowledge and comprehension issues of compliance with federal and state regulations by:

1. Explaining the Right to Know law and how it pertains to the histology lab
2. Describing the use of a chemical hygiene plan
3. Listing OSHA regulations
4. Listing HIPAA regulations
5. Outlining rules and regulations governing blood-borne pathogens
6. Outlining rules and regulations concerning medical errors
7. Outlining rules and regulations concerning fire and hazard material safety in the histology laboratory
8. Outlining the rules governing universal precautions
9. Outlining rules and regulations governing CLIA, Joint Commission, AHCA, CAP thru the use of web sites

### **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
- Demonstrate knowledge of ethical thinking and its application to issues in society
- Use computer and emerging technologies effectively