

MLT 2192L HISTOTECHNOLOGY 2 LAB

Course Description

This course is a continuation of Histotechnology Lab 1. Students will be introduced to more complex laboratory techniques in histotechnology. Prerequisite: MLT 1191L; Corequisite: MLT 2192. (2 hr. lecture; 4 hr. lab)

Course Competency	Learning Outcomes
<p>Competency 1: The students will demonstrate knowledge, comprehension and application of microtomy and frozen sectioning by:</p>	<ol style="list-style-type: none"> 1. Communication 2. Numbers / Data 3. Critical thinking 4. Information Literacy 5. Cultural / Global Perspective 6. Computer / Technology Usage 7. Aesthetic / Creative Activities 8. Environmental Responsibility
<ol style="list-style-type: none"> 1. Using hand eye coordination when performing the following: Performing frozen sectioning Performing microtomy Embedding tissue Staining slides with H and E 2. Troubleshooting the following instruments Microtome Cryostat Water-bath Slide Drying Ovens Tissue Processor 3. Troubleshooting the staining of frozen sections 	
<p>Competency 2: The student will demonstrate knowledge and comprehension of a variety human tissue processing by:</p>	<ol style="list-style-type: none"> 1. Aesthetic / Creative Activities 2. Computer / Technology Usage 3. Cultural / Global Perspective 4. Information Literacy 5. Numbers / Data 6. Communication 7. Environmental Responsibility

<p>1. Preparing a variety of human tissue specimens for processing to include but not limited to; brain, kidney, liver, bone, and other human tissue specimens</p>	
<p>Competency 3: The students will demonstrate knowledge, comprehension, and application of advance fixation techniques by</p>	<ol style="list-style-type: none"> 1. Communication 2. Numbers / Data 3. Critical thinking 4. Information Literacy 5. Cultural / Global Perspective 6. Computer / Technology Usage 7. Environmental Responsibility
<p>1. Explaining the preparation and used of the following common fixatives used in the histotechnology laboratory to include; B-5, Helly's, Zenker's, Carnoy's, FAB and others</p>	

Updated: FALL TERM 2023