

Course Competency

MLT 1191 HISTOTECHNOLOGY 1

Course Description

This course will introduce students to the fundamental principles of histologic technology. These include the principles of fixation, processing for paraffin-embedding, microtome sectioning, staining and cover-slipping and laboratory safety. (3 hr. lecture)

Course Competency	Learning Outcomes
<p>Competency 1:The student will demonstrate knowledge and comprehension of fundamental principles of histologic technology by:</p>	<ol style="list-style-type: none"> 1. Communication 2. Critical thinking 3. Information Literacy 4. Cultural / Global Perspective 5. Computer / Technology Usage
<ol style="list-style-type: none"> 1. Defining specific terms used in histotechnology laboratories 2. Comparing the various methods of collection of histologic specimens 3. Relating the principle involved in histologic specimen processing 4. Describe the use of the hematoxylin/eosin staining method 	
<p>Competency 2:The student will demonstrate knowledge and comprehension of tissue processing methods by:</p>	<ol style="list-style-type: none"> 1. Communication 2. Critical thinking 3. Information Literacy 4. Cultural / Global Perspective 5. Computer / Technology Usage
<ol style="list-style-type: none"> 1. Describing the principles, aims and functions of tissue processing 2. Infer how certain factors influence what occurs to tissue during tissue processing 3. Describing the principles of embedding, staining and cover slipping 4. Create charts that explain the advantages 	

<p>and disadvantages of several tissue processing chemicals</p>	
<p>Competency 3:The student will demonstrate knowledge and comprehension of hazardous in the histotechnology laboratory by:</p>	<ol style="list-style-type: none"> 1. Communication 2. Critical thinking 3. Information Literacy 4. Cultural / Global Perspective 5. Computer / Technology Usage
<ol style="list-style-type: none"> 1. Identifying chemical hazards 2. Identifying biological hazards 3. Identifying physical hazards 4. Identifying mechanical hazards 5. Outlining the principle involved in the safe handling of chemical and biological hazards 6. Outlining the principle involved in the working safely with instrumentation present in the histotechnology laboratory 	

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