

MLT 1191L HISTOTECHNOLOGY 1 LAB

Course Description

This course will introduce students to the fundamental skills and safety concepts in Histologic technology. It includes laboratory aspects of specimen preparation, fixation, sectioning and routine staining. The student will also be introduced to the basic principles of record keeping, use and maintenance of laboratory equipment and quality control. (3 credit laboratory)

Course Competency	Learning Outcomes
<p>Competency 1: The student will be able to apply the principles of histologic processing of specimens by:</p>	<ol style="list-style-type: none"> 1. Communication 2. Computer / Technology Usage 3. Cultural / Global Perspective 4. Aesthetic / Creative Activities 5. Numbers / Data 6. Critical thinking
<ol style="list-style-type: none"> 1. Demonstrating proper Tissue grossing techniques 2. Using hand eye coordination when preparing reagents, tissue grossing, embedding, sectioning and H and E staining 3. Illustrating how the factors that can influence what occurs to tissue during fixation tissue fixation, processing, embedding, sectioning, grossing and H and E staining 4. Performing Tissue processing 5. Performing Tissue embedding 6. Performing Tissue sectioning 7. Performing routine hematoxylin and eosin staining 	
<p>Competency 2: The student will demonstrate knowledge and comprehension of the proper use and maintenance of the histotechnology laboratory equipment by:</p>	<ol style="list-style-type: none"> 1. Communication 2. Numbers / Data 3. Critical thinking 4. Computer / Technology Usage

	<ol style="list-style-type: none"> 5. Ethical Issues 6. Environmental Responsibility 7. Social Responsibility 8. Social Responsibility
<ol style="list-style-type: none"> 1. Performing preventive and corrective maintenance of equipment and instruments in the laboratory 2. Performing quality control methods on laboratory equipment and instruments 3. Maintaining a safe working environment in the laboratory 4. Maintaining a clean working environment in the laboratory 	
<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. Numbers / Data 3. Critical thinking 4. Information Literacy 5. Cultural / Global Perspective 6. Ethical Issues 7. Computer / Technology Usage 8. Aesthetic / Creative Activities 9. Environmental Responsibility
<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. Following Universal Precautions methods at all times. 7. Following procedures for chemical as well as biological spills 8. Outlining the principle involved in working safely with microtomes 	

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