

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

**ACADEMIC AFFAIRS**

Course Number: MAST 207 Department: Medical Assistant

Course Title: Venipuncture/Phlebotomy Semester: Spring Year: 1997

**Objectives/Competencies**

<b>Course Objective</b>	<b>Competencies</b>
<p>1. The anatomy and physiology of the circulatory system including hemostasis and coagulation.</p> <p>2. The different equipment used in obtaining blood specimens for laboratory analysis.</p>	<p>1. Demonstrate knowledge of the anatomy and physiology of the heart and vascular system by properly identifying blood vessels of the forearm.</p> <p>2. Compare and contrast layers of the heart with layers of the blood vessels.</p> <p>3. Compare and contrast arteries and veins.</p> <p>4. Compare mixture of sample of blood from veins and capillaries.</p> <p>1. Identify parts of an evacuated blood collection system.</p> <p>2. Select the necessary equipment and assemble the evacuation tube system in preparation for venipuncture.</p> <p>3. Identify additives, their function and specimen considerations in various color-coded tubes.</p>

Course Objective	Competencies
<p>3. The different techniques used in performance of routine venipuncture.</p>	<ol style="list-style-type: none"> <li>1. Specify identification procedure for in-patient and out-patient.</li> <li>2. Demonstrate tourniquet application and state consideration for its release.</li> <li>3. Outline and demonstrate the techniques of venipuncture, applying principles of aseptic technique and infection control.</li> <li>4. Summarize patient care following completion of venipuncture.</li> </ol>
<p>4. The importance of following safety procedures.</p>	<ol style="list-style-type: none"> <li>1. Demonstrate proper disposal of equipment and contaminated materials used during procedure.</li> </ol>
<p>5. Special consideration in performance of venipuncture.</p>	<ol style="list-style-type: none"> <li>1. Outline the order of draw for multiple tube phlebotomy.</li> <li>2. List areas to avoid and reasons for restrictions when performing venipuncture.</li> </ol>
<p>6. The student will implement the knowledge obtained in performance of venipuncture in the clinical setting.</p>	<ol style="list-style-type: none"> <li>1. Properly perform technique of venipuncture in the hospital out-patient laboratory following guidelines, focusing on obtaining quality specimens of blood for laboratory analysis.</li> <li>2. Demonstrate proper attitude in caring for patient applying principles of asepsis and following OSHA guidelines.</li> </ol>