

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

ACADEMIC AFFAIRS

Course Number: MAST 216 Department: Medical Assistant

Course Title: Venipuncture/Phlebotomy Semester: Spring Year: 1999

Objectives/Competencies

Course Objective	Competencies
1. The anatomy and physiology of the circulatory system including hemostasis and coagulation.	<ol style="list-style-type: none">1. Demonstrate knowledge of the anatomy and physiology of the heart and vascular system by properly identifying blood vessels of the forearm.2. Compare and contrast layers of the heart with layers of the blood vessels.3. Compare and contrast arteries and veins.4. Compare mixture of sample of blood from veins and capillaries.
2. The different equipment used in obtaining blood specimens for laboratory analysis.	<ol style="list-style-type: none">1. Identify parts of an evacuated blood collection system.2. Select the necessary equipment and assemble the evacuation tube system in preparation for venipuncture.3. Identify additives, their function and specimen considerations in various color-coded tubes.
3. The different techniques used in performance of routine venipuncture.	<ol style="list-style-type: none">1. Specify identification procedures for in-patient and out-patient.2. Demonstrate tourniquet application and state

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<p>4. The importance of following safety procedures.</p> <p>5. Special considerations in performance of venipuncture.</p>	<p>consideration for its release.</p> <p>3. Outline and demonstrate the techniques of venipuncture, apply principles of aseptic technique and infection control.</p> <p>4. Summarize patient care following completion of venipuncture.</p> <p>1. Demonstrate proper disposal of equipment and contaminated materials used during procedure.</p> <p>1. Outline the order of draw for multiple tube phlebotomy.</p> <p>2. List areas to avoid and reasons for restrictions when performing venipuncture.</p>