

# Minnesota State College Southeast

## MEDL 1105: Phlebotomy

### A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: 1

Lab Hours/Week: 2

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course provides instruction in blood collection procedures and techniques. Students will learn about terminology, safety, customer service, the circulatory system, equipment, and specimen transport/processing. Students will perform routine venipunctures, capillary puncture, and special collection procedures in the classroom and in a clinical setting. (Prerequisite: None) (2 credits: 1 lecture/1 lab)

**B. COURSE EFFECTIVE DATES:** 05/07/2012 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Perform blood collection by venipuncture and capillary puncture for analysis
2. Demonstrate comprehension of the technical and procedural aspects of blood collection and specimen processing
3. Exhibit an awareness of regulatory requirements, safety regulation and ethical standards of practice
4. Use technology effectively
5. Utilize effective oral and written communication skills

#### **D. LEARNING OUTCOMES (General)**

1. Describe the circulation of blood from the heart to the lungs and other body tissues
2. Differentiate arteries, veins and capillaries
3. Describe the components of whole blood
4. Define key terminology associated with phlebotomy
5. List the equipment needed for venipuncture and capillary blood collection
6. Identify pre-analytical variables in specimen collection
7. Exhibit professional conduct and interpersonal communication skills with patients, laboratory personnel, and other health care professionals
8. Demonstrate and describe the proper technique for collecting a capillary and venous blood specimen
9. Explain how blood collection supplies and procedures are modified for infants and children
10. Identify and explain special collection procedures
11. Identify specimen problems that may be associated with blood collection
12. List analytic variables
13. Discuss the monitoring of variables during sample transport
14. Perform plasma and serum separation from red blood cell mass
15. Describe safety equipment that must be used when processing samples
16. Practice standard precautions
17. Practice the principles and procedures of phlebotomy, under supervision, in a healthcare setting

#### **E. Minnesota Transfer Curriculum Goal Area(s) and Competencies**

None

#### **F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

#### **G. SPECIAL INFORMATION**

None noted