

EASTERN ARIZONA COLLEGE
Phlebotomy and Clinical Laboratory
Course Design
2009-2010

Course Information

Division	Allied Health
Course Number	HCE 186
Title	Phlebotomy and Clinical Laboratory
Credits	2
Developed by	Dr. Mayuree Siripoon
Lecture/Lab Ratio	2 Lecture/0 Lab
Transfer Status	Non-transferable
Activity Course	No
CIP Code	51.0800
Assessment Mode	Pre/Post Test (50 Questions/50 Points)
Semester Taught	Upon Request
GE Category	None
Separate Lab	No
Awareness Course	No
Intensive Writing Course	No

Prerequisites

None

Educational Value

Student will demonstrate skills necessary to collect blood specimens for laboratory testing.

Description

The study of accurate, up to date, practical information and instruction in phlebotomy procedures and techniques, along with a comprehensive background in phlebotomy theory and principles. Skill includes drawing blood, obtaining blood cultures, using Lancet or a Microlance for a Microdraw or an infant heel stick, and measuring bleeding time. This course requires successful invasive intravenous draws including 10 draws using vacutainer system, 5 draws using butterfly system, and 5 fingersticks.

Supplies

Phlebotomy model, artificial blood, vacutainer, butterfly, syringe, needle, collecting tubes, and other medical equipment and supplies.

Competencies and Performance Standards

1. Apply knowledge of anatomy and physiology to phlebotomy.

Perform aseptic calculations.

Learning objectives

What you will learn as you master the competency:

- a. Identify normal anatomy physiology of the veins and capillary.
- b. Demonstrate skill in selection of veins and recognizing problems.

Performance Standards

Competence will be demonstrated:

- In the completion of test.

Criteria - Performance will be satisfactory when:

- Learner provides acceptable, written responses to questions and patient care situations.
- Learner participates in class discussions and class activities.

2. Demonstrate proficiency in collecting blood specimens for laboratory testing.

Learning objectives

What you will learn as you master the competency:

- a. Demonstrate blood specimen collection.
- b. Demonstrate obtaining blood cultures.
- c. Demonstrate the use of a Lancet or a Microlance for a Microdraw or an Infant Heel stick.
- d. Demonstrate measuring bleeding time.

Performance Standards

Competence will be demonstrated:

- In completion of competency validation on all procedures in Chapter 5.

Criteria - Performance will be satisfactory when:

- Learner participates in class discussions and class activities.

Types of Instruction

Classroom Presentation & Demonstration

On Campus Laboratory and Clinical practice at a medical lab

Grading Information

Grading Rationale

Test= 60%

Post Test= 10%

Written Assignments= 30%

Grading Scale

- A 90-100% of total point value
- B 80-89.99% of total point value
- C 70-79.99% of total point value
- D 60-69.99% of total point value
- F 0-59.99% of total point value