EASTERN ARIZONA COLLEGE
Phlebotomy and Clinical Laboratory
Course Design
2018-2019

Course Information

Division
Allied Health

Course Number
HCE 186

Title
Phlebotomy and Clinical Laboratory

Credits
2

Developed by
Shalay Haynie/Revised by Jodie Martin

Lecture/Lab Ratio
2 Lecture/0 Lab

Transfer Status

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<th>ASU</th>
<th>NAU</th>
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<td>Non Transferable</td>
<td>Elective Credit</td>
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Activity Course
No

CIP Code
51.1009

Assessment Mode
Pre/Post Test (50 Questions/50 Points)

Semester Taught
Fall and Spring

GE Category
None

Separate Lab
No

Awareness Course
No

Intensive Writing Course
No

Diversity and Inclusion 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 micro-draw or an infant heel stick, and measuring bleeding time. This course requires successful invasive intravenous draws including fifty (50) draws using vacutainer system, and ten (10) capillary sticks.

Supplies
Phlebotomy model, artificial blood, vacutainer, butterfly, syringe, needle, collecting tubes, and other medical equipment and supplies provided by the College.
Competencies and Performance Standards

1. Describe anatomy and physiology concepts relevant to phlebotomy.

   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:
   o in the completion of tests
   Criteria - Performance will be satisfactory when:
   o learner provides acceptable, written responses to questions and patient care situations
   o 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 of a microlance for a microdraw or an infant heel stick.

   Performance Standards
   Competence will be demonstrated:
   o in completion of competency validation on all procedures
   Criteria - Performance will be satisfactory when:
   o learner participates in class discussions and class activities
   o learner completes fifty (50) successful venipunctures and ten (10) capillary sticks

Types of Instruction
Classroom Presentation & Demonstration
On Campus Laboratory

Grading Information
Grading Rationale
Final 15%
Attendance 30%
Exams 45%
Homework 10%
**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