

## Course Outcomes Guide

**Course/Program Title:** PLB 105 Phlebotomy

**Date:** SU 19

**Course/Program Team:** Kelly Weicht, Michele Buzard

### **Expected Learning Outcomes:**

1. Demonstrate knowledge of culture, values, and belief systems when performing phlebotomy procedures.
2. Demonstrate competency by achieving a minimum score of 80% for each required phlebotomy competency.
3. Describe standard precautions, isolation procedures, needlestick safety, and quality assurance procedures.
4. Demonstrate ability to professionally utilize appropriate oral, written, and electronic communication skills.
5. Describe appropriate responses to unexpected events that can arise during blood specimen collections while adhering to safety and quality guidelines.
6. Demonstrate knowledge of legal, regulatory, and procedural guidelines for maintaining patient confidentiality and insuring safe blood collections.

### **Assessment**

Course completion: Number passing at 75% or greater.

Course Outcomes: CO 2- Successful completion of course clinical competencies

Course Outcomes: Common final exam for item analysis:

CO 1 Q1	(Student as Phlebotomist)
CO 2 Q2	(Non-English speaking patient)
CO 3 Q1	(Standard Precautions)
CO 3 Q2	(Preanalytical errors)
CO 3 Q3	(Reverse Isolation)
CO 3 Q4	(Syringe Transfer Device)
CO 4 Q1	(Test order origination)
CO 4 Q2	(computerized systems)
CO 5 Q1	(No armband ID)
CO 5 Q2	(Nerve injury)
CO 6 Q1	(specimen labeling)
CO 6 Q2	(battery)
CO 6 Q3	(assault)

## Validation

Course completion: Number passing at 75% or greater.

Course Outcome 2: Number passing clinical competencies with score of 80%

Course outcomes: Common exam question accuracy rate of 75% or higher

## Results

Course Completion:

100 % (9/9 students) completed the course with a grade of 75% or higher

Course Outcome 2 Clinical competencies – venipuncture methods, number with score of 80% or greater:

ETS Method	97 %
Syringe with Needle	94 %
Syringe with Butterfly	97 %

Course outcomes: Common Final Exam Questions

CO 1 Q1	(Student as Phlebotomist)	100%
CO 1 Q2	(Non-English speaking patient)	100%
CO 3 Q1	(Standard Precautions)	100%
CO 3 Q2	(Preanalytical errors)	89%
CO 3 Q3	(Reverse Isolation)	78%
CO 3 Q4	(Syringe Transfer Device)	100%
CO 4 Q1	(Test order origination)	89%
CO 4 Q2	(computerized systems)	67%
CO 5 Q1	(No armband ID)	89%
CO 5 Q2	(Nerve injury)	100%
CO 6 Q1	(specimen labeling)	100%
CO 6 Q2	(battery)	89%
CO 6 Q3	(assault)	89%

## Course Outcomes:

CO1 Demonstrate knowledge of culture, values, and belief systems when performing phlebotomy procedures 100%

CO2 Demonstrate competency by achieving a minimum score of 80% for each required phlebotomy competency 96%

CO3 Describe standard precautions, isolation procedures, needlestick safety, and QA procedures 92%

CO4	Demonstrate ability to professionally utilize appropriate oral, written and electronic communication skills	78%
CO5	Describe appropriate response to unexpected events that can occur during blood collections	94%
CO6	Demonstrate knowledge of legal, regulatory, and procedural guidelines for maintaining patient confidentiality and insuring safe blood collections	93%

**Number of students assessed:** 9

### **Follow-up**

The instructor continues to do an outstanding job in teaching a difficult skill to students. She incorporates real world experiences so students become knowledgeable about how to respond when the unexpected happens. She expects professionalism at all times in the classroom. Students' ability to communicate properly both verbally and in writing is declining across the board. Some course objectives improved slightly and some declined slightly. Again, a shorter term may impact the students' ability to have the time to absorb the lessons taught in the classroom. She will include more discussion on types of pre-analytical errors in the future.

### **Budget Justification:**

None