

Course Outcomes Guide

Course/Program Title: PLB 105 Phlebotomy

Date: Fall 2017

Course/Program Team: Kelly Weicht

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 % (12/12 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 | 95% |
| Syringe with Needle | 95% |
| Syringe with Butterfly | 96% |

Course outcomes: Common Final Exam Questions

| | | |
|---------|--------------------------------|------|
| CO 1 Q1 | (Student as Phlebotomist) | 100% |
| CO 1 Q2 | (Non-English speaking patient) | 92% |
| CO 3 Q1 | (Standard Precautions) | 100% |
| CO 3 Q2 | (Preanalytical errors) | 92% |
| CO 3 Q3 | (Reverse Isolation) | 58% |
| CO 3 Q4 | (Syringe Transfer Device) | 100% |
| CO 4 Q1 | (Test order origination) | 100% |
| CO 4 Q2 | (computerized systems) | 75% |
| CO 5 Q1 | (No armband ID) | 100% |
| CO 5 Q2 | (Nerve injury) | 100% |
| CO 6 Q1 | (specimen labeling) | 100% |
| CO 6 Q2 | (battery) | 92% |
| CO 6 Q3 | (assault) | 100% |

Number of students assessed: 12

Follow-up

Students did not meet target competency CO 3 hospital isolation protocols. CO 4 use of computerized systems improved to meet the target of 75%. Instructors will spend more lecture time discussing this concept and incorporate activities showing different isolation precautions, the reasoning behind each, the organisms/diseases involved and why.

Budget Justification:

None