



Course Syllabus

PLAB 1060 CLINICAL PHLEBOTOMY

Catalog Description: This program prepares learners to collect blood specimens from clients for the purpose of laboratory analysis. Students will become familiar with all aspects of blood collection and will review the skills needed to perform venipunctures safely. Topics in this course include medical terminology, related anatomy and physiology, blood collection procedures, and procedures for collection of other types of specimens within the scope of practice of the phlebotomist.

Prerequisites: Must have passed Phlebotomy 1023 (PLAB I)

Continuing Education Credit Hours: 15

Lecture Hours per Week: 9

Lab Hours per Week: 30

Extended hours: Online--Additional study is required outside posted class times.

Contact Hours per course: 150

State Approval Code: 5110090000 **WECM:** 51.10009

Class section meeting time: Various clinical sites will be used for clinical rotations. Students are expected to spend assigned clinical time participating in assigned activities for successful completion of this course.

Alternate Operations During Campus Closure: In the event of an emergency or announced campus closure due to a natural disaster or pandemic, it may be necessary for Panola College to move to altered operations. During this time, Panola College may opt to continue delivery of instruction through methods that include, but are not limited to: online learning management system (CANVAS), online conferencing, email messaging, and/or an alternate schedule. It is the responsibility of the student to monitor Panola College's website (www.panola.edu) for instructions about continuing courses remotely, CANVAS for each class for course-specific communication, and Panola College email for important general information.

Instructional Goals and Purposes: The purpose of this course is to introduce the student to a health related work-based learning experience. This course will enable the student to apply specialized occupational theory, skills, and concepts in the Phlebotomy community. Direct supervision is provided by the clinical professional.

Learning Outcomes: As outlined in the learning plan, the student will be able to:

1. Apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within the healthcare community.
2. Identify key elements of HIPPA including maintaining patient confidentiality and privacy.
3. Describe methods of effective verbal and nonverbal communication skills towards patients, laboratory, and other staff members.
4. Demonstrate a basic knowledge of medical terminology, human anatomy and physiology. And pathology.

Specific Course Objectives (includes SCANS):

After studying all materials and resources presented in the course, the student will be able to:

1. Demonstrate infection control and safety practices.
2. Describe quality assurance as it relates to specimen collection.
3. Explain the role of specimen collection in the overall patient care system.
4. Identify collection equipment, various types of additives used, special precautions necessary, and substances that can interfere in clinical analysis of blood constituent.
5. Demonstrate venipuncture and capillary puncture techniques on adults, children, and infants; and explain requisitioning, transport and processing.

Course Content:

A general description of lecture/discussion topics included in this course are listed in the Learning Outcomes / Specific Course Objectives sections of this syllabus.

Students in all sections of this course will be required to do the following:

1. Regularly attend classes
2. Maintain an average of 75% or better
3. Complete the required number and types of specimen collection
4. Comprehend and process information presented orally or via written materials

Methods of Instruction/Course Format/Delivery:

This course is offered through lecture, discussion, demonstration, and audiovisual materials.

Major Assignments / Assessments:

The following items will be assigned and assessed during the semester and used to calculate the student's final grade.

Assignments and Assessments:

1. The laboratory portion of this Phlebotomy course will be graded and assessed according to the required number and quality of specimen collections.

Course Grade:

The grading scale for this course is determined by the required amount and quality of specimen collections.

Texts, Materials, and Supplies:

- *Phlebotomy Essentials (Seventh Edition) by Ruth E. McCall*
- The Phlebotomy Handbook written for PLAB 1023 and OLAB 1060
The textbooks are provided to the students and will be given on the first class day. The instructor reserves the right to change or supplement materials for Phlebotomy 1023 and Phlebotomy 1060.

Other:

- Courses conducted via video conferencing may be recorded and shared for instructional purposes by the instructor.
- For current texts and materials, use the following link to access bookstore listings:
<https://www.panolacollegestore.com>
- For testing services, use the following link: <https://www.panola.edu/elearning/testing.html>
- If any student in this class has special classroom or testing needs because of a physical learning or emotional condition, please contact the ADA Student Coordinator in Support Services located in the Charles C. Matthews Student Center or go to <https://www.panola.edu/student-success/disability-support-services/> for more information.

- Withdrawing from a course is the student's responsibility. Students who do not attend class and who do not withdraw will receive the grade earned for the course.
- Student Handbook, *The Pathfinder*: <https://www.panola.edu/student-success/documents/pathfinder.pdf>

Our clinical facilities have notified us that, in accordance with the federal COVID-19 vaccine mandate for Medicare/Medicaid facilities, faculty and staff participating in clinical practice or who have clinical rotations at healthcare facilities (long-term care and hospitals) will need to be fully vaccinated for COVID-19.

All Spring 2022 students will need to be fully vaccinated, either two doses of Pfizer or Moderna or one dose of Johnson & Johnson by January 10, 2022, to abide by the mandate and to be in compliance with the clinical facility.

Please submit documentation of your COVID-19 vaccination to cbrightwell@panola.edu.

References for the mandate:

<https://www.federalregister.gov/documents/2021/11/05/2021-23831/medicare-and-medicaid-programs-omnibus-covid-19-health-care-staff-vaccination>

<https://www.cms.gov/files/document/cms-omnibus-staff-vax-requirements-2021.pdf>

<https://www.cms.gov/newsroom/press-releases/biden-harris-administration-issues-emergency-regulation-requiring-covid-19-vaccination-health-care>

SCANS CRITERIA

- 1) **Foundation skills are defined in three areas: basic skills, thinking skills, and personal qualities.**
 - a) **Basic Skills:** A worker must read, write, perform arithmetic and mathematical operations, listen, and speak effectively. These skills include:
 - i) Reading: locate, understand, and interpret written information in prose and in documents such as manuals, graphs, and schedules.
 - ii) Writing: communicate thoughts, ideas, information, and messages in writing, and create documents such as letters, directions, manuals, reports, graphs, and flow charts.
 - iii) Arithmetic and Mathematical Operations: perform basic computations and approach practical problems by choosing appropriately from a variety of mathematical techniques.
 - iv) Listening: receive, attend to, interpret, and respond to verbal messages and other cues.
 - v) Speaking: Organize ideas and communicate orally.
 - b) **Thinking Skills:** A worker must think creatively, make decisions, solve problems, visualize, know how to learn, and reason effectively. These skills include:
 - i) Creative Thinking: generate new ideas.
 - ii) Decision Making: specify goals and constraints, generate alternatives, consider risks, and evaluate and choose the best alternative.

- iii) Problem Solving: recognize problems and devise and implement plan of action.
 - iv) Visualize ("Seeing Things in the Mind's Eye"): organize and process symbols, pictures, graphs, objects, and other information.
 - v) Knowing How to Learn: use efficient learning techniques to acquire and apply new knowledge and skills.
 - vi) Reasoning: discover a rule or principle underlying the relationship between two or more objects and apply it when solving a problem.
- c) **Personal Qualities:** A worker must display responsibility, self-esteem, sociability, self-management, integrity, and honesty.
- i) Responsibility: exert a high level of effort and persevere toward goal attainment.
 - ii) Self-Esteem: believe in one's own self-worth and maintain a positive view of oneself.
 - iii) Sociability: demonstrate understanding, friendliness, adaptability, empathy, and politeness in group settings.
 - iv) Self-Management: assess oneself accurately, set personal goals, monitor progress, and exhibit self-control.
 - v) Integrity and Honesty: choose ethical courses of action.
- 2) **Workplace competencies are defined in five areas: resources, interpersonal skills, information, systems, and technology.**
- a) **Resources:** A worker must identify, organize, plan, and allocate resources effectively.
- i) Time: select goal-relevant activities, rank them, allocate time, and prepare and follow schedules.
 - ii) Money: Use or prepare budgets, make forecasts, keep records, and make adjustments to meet objectives.
 - iii) Material and Facilities: Acquire, store, allocate, and use materials or space efficiently.
Examples: construct a decision time line chart; use computer software to plan a project; prepare a budget; conduct a cost/benefits analysis; design an RFP process; write a job description; develop a staffing plan.
- b) **Interpersonal Skills:** A worker must work with others effectively.
- i) Participate as a Member of a Team: contribute to group effort.
 - ii) Teach Others New Skills.
 - iii) Serve Clients/Customers: work to satisfy customer's expectations.
 - iv) Exercise Leadership: communicate ideas to justify position, persuade and convince others, responsibly challenge existing procedures and policies.
 - v) Negotiate: work toward agreements involving exchange of resources, resolve divergent interests.
 - vi) Work with Diversity: work well with men and women from diverse backgrounds.
Examples: collaborate with a group member to solve a problem; work through a group conflict situation, train a colleague; deal with a dissatisfied customer in person; select and use appropriate leadership styles; use effective delegation techniques; conduct an individual or team negotiation; demonstrate an understanding of how people from different cultural backgrounds might behave in various situations.
- c) **Information:** A worker must be able to acquire and use information.
- i) Acquire and Evaluate Information.
 - ii) Organize and Maintain Information.
 - iii) Interpret and Communicate Information.
 - iv) Use Computers to Process Information.
Examples: research and collect data from various sources; develop a form to collect data; develop an inventory record-keeping system; produce a report using graphics; make an oral presentation using various media; use on-line computer data bases to research a report; use a computer spreadsheet to develop a budget.

- d) **Systems:** A worker must understand complex interrelationships.
- i) Understand Systems: know how social, organizational, and technological systems work and operate effectively with them.
 - ii) Monitor and Correct Performance: distinguish trends, predict impacts on system operations, diagnose deviations in systems' performance and correct malfunctions.
 - iii) Improve or Design Systems: suggest modifications to existing systems and develop new or alternative systems to improve performance.
- Examples: draw and interpret an organizational chart; develop a monitoring process; choose a situation needing improvement, break it down, examine it, propose an improvement, and implement it.
- e) **Technology:** A worker must be able to work with a variety of technologies.
- i) Select Technology: choose procedures, tools or equipment including computers and related technologies.
 - ii) Apply Technologies to Task: understand overall intent and proper procedures for setup and operation of equipment.
 - iii) Maintain and Troubleshoot Equipment: Prevent, identify, or solve problems with equipment, including computers and other technologies.
- Examples: read equipment descriptions and technical specifications to select equipment to meet needs; set up and assemble appropriate equipment from instructions; read and follow directions for troubleshooting and repairing equipment.