

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: MDL 106 **Credits:** 4

Course Title: Clinical Phlebotomy

Course Description:

Focuses on obtaining blood samples, processing specimens, managing assignments, assisting with and/or performing specified tests, performing clerical duties and maintaining professional communication. Provides supervised learning in college laboratory/and or cooperating agencies. Students will spend 2 weeks (36-40 hours/week) with an assigned clinical affiliate. The remainder of the course will include on-campus and on-line instruction. Lecture 2 hours. Laboratory 6 hours. Total 8 hours/week.

General Course Purpose:

Provides supervised practice in performing phlebotomy in a clinical setting. Practice includes experience in health care structure/ laboratory operations, phlebotomy equipment and developing competency in venipuncture techniques. Competency is defined as 100 successful, unassisted venipunctures. This course is intended for students pursuing a credential as a Phlebotomy Technician.

Course Prerequisites and Co-requisites:

Prerequisite: Successful completion of MDL 105 with a grade of "C" or better, Submission of Immunization history and an acceptable background check.

Must be in the final year of the Medical Laboratory AAS degree program or have program approval.

Student Learning Outcomes:

Upon completing the course, the student will be able to

- Successfully/safely/accurately collect blood from a minimum of 100 patients unassisted.
- Demonstrate phlebotomy collection equipment/types of additives/special precautions and interfering substances
- Identify/report potential pre-analytical errors that may occur during specimen collection/labeling/transporting and processing.
- Manage phlebotomy assignments accurately/within established time lines.
- Explain non-blood specimen collection/ and handling.
- Observe/ and, upon sign-off, perform selected POCT.
- Communicate professionally with faculty/preceptor/clinical affiliate.
- Observe/practice appropriate clerical duties as assigned.

Major Topics to Be Included:

- Safety and infection control within a health care facility.
- Blood collection in adult, child and special populations/ special collections.
- Point of Care Testing.

- Working with patients
- Venipuncture equipment, procedures, potential complications
- Waived vs. Moderate Complexity vs. Complex testing for the Phlebotomist,
- Clerical duties typical for a Phlebotomist

Effective Date/Updated: October 26, 2022