

COURSE PREFIX/NO: AHS 144
COURSE TITLE: Phlebotomy Practicum
LECTURE HRS/WK: 40 hours
LAB HRS/WK: 120 hours
CREDIT HRS/SEMESTER: 5.0

[Distance Learning Attendance/VA Statement](#)
[Textbook Information](#)

COURSE DESCRIPTION

This course is a detailed study and practice of phlebotomy procedures utilized in hospital settings, clinical facilities, and physicians offices.

COURSE COMPETENCIES - Didactic

MODULE 1

- Define phlebotomy and relate to its history.
- Identify elements of professionalism associated with phlebotomy.
- Define basic medical terms, abbreviations, and tests used in the clinical lab.
- Describe the hospital clinical laboratory. (Departments, personnel, education requirements, job duties.)
- Relate other hospital departments with the clinical lab.
- Describe several professional organizations affiliated with phlebotomy.
- Recognize the fiscal aspects of phlebotomy in the clinical lab.

MODULE 2

- Describe the major body systems and the functions of each.

MODULE 3

- Describe phlebotomy hazards and the safety rules that apply to each
- Describe routine blood collection systems.
- List the steps used to perform a routine venipuncture and skin puncture.
- Perform a routine venipuncture and skin puncture.
- Describe an arterial puncture.
- Describe specimen handling and transport.
- Recognize special lab tests involving phlebotomy.
- Identify quality control and troubleshooting used in phlebotomy.
- Demonstrate professionalism in dress, conduct, and attitude.

PERFORMANCE OBJECTIVES

Module 1

1. Given lecture notes and text, the student will define phlebotomy and describe the development of phlebotomy from the earliest civilizations to the present time.
2. Utilizing lecture notes, text, and case situations, the student will list and apply the elements of professionalism needed in phlebotomy.

3. Utilizing text, handouts, the student will define the medical terms, abbreviations, and diagnostic tests used in phlebotomy.
4. Given lecture notes and handouts (including laboratory flow chart), the student will describe the clinical lab by listing the following:
 - a. departments of lab and functions of each (routine tests performed)
 - b. titles and education requirements of personnel working in main departments
5. Provided with lecture notes and text, the student will list several hospital departments and note the relationship that exists between these departments and the clinical lab.
6. Given lecture notes, text, and handouts, the student will list and describe several professional organizations affiliated with phlebotomy including certification exams and benefits offered by each.
7. Provided with lecture notes and examples, the student will list common and uncommon expenses incurred when phlebotomy is performed.

Module 2

1. Given lecture notes and text, the student will list and describe the function of the ten major body systems with a special emphasis on the circulatory system and the components of blood.

Module 3

1. Utilizing lecture notes, videos, and text, the student will describe biological, chemical, electrical, fire, and personal injury hazards pertaining to phlebotomy and the safety rules that apply to each.
2. Provided with lecture notes, text, videotapes, and demonstrations, the student will list the equipment used in the evacuated (Vacutainer) collection system, the syringe system, and the skin puncture system of blood collection.
3. Given textbook, videotapes, and demonstrations, the student will list the steps required for routine venipuncture and skin puncture in order of standard operating procedure.
4. Using provided equipment, the student will perform a minimum of 3 successful venipunctures and 2 successful skin punctures to the satisfaction of the instructor.
5. Utilizing lecture notes and text, the student will describe an arterial puncture including special precautions, reason for request, location of puncture, Allen Test, and comparison to venipuncture.
6. Given specific lab tests, the student will describe the required environment (put on ice, prevent light exposure, etc.) and transport time limit for each specimen.
7. Given lectures notes, text, and demonstrations, the student will become familiar with special testing that involves phlebotomy. (GTT, IVY Bleeding time, Type and Crossmatch, Blood Cultures.)
8. Utilizing lecture notes, text, and phlebotomy equipment, the student will examine quality control and problem solving techniques used in phlebotomy.
9. The student will demonstrate professionalism by adhering to policies set forth by the student handbook at York Tech and by the Phlebotomy Clinical Affiliates.

METHODS OF INSTRUCTION

Class time will consist of lecture by the instructor and notetaking by the student. Use of various audio visual aids, handouts, computer assisted instruction, lab exercises and demonstrations will be employed. Students are encouraged to ask questions and make comments relating to lecture material.

GRADING PROCEDURES

A score of 70 or better must be attained on each of 2 written tests and a final exam.

Grading scale	90 - 100 A
	80 - 89 B
	70 - 79 C

COURSE REQUIREMENTS

If a student must be absent on the day of a test, he/she must notify the instructor prior to test time in order to be allowed to take a make-up test. A grade of zero (0) will be assigned if the instructor is not notified. If the student exceeds the maximum absences of 10%, this may result in his/her being dropped from the course and from AHS 144 Clinical rotation.

Students will adhere to the student code of conduct as described in the York Technical College Catalog and Handbook. Students will conduct themselves with dignity and maintain high standards of responsible citizenship. Any student caught cheating or involved in any other academic dishonesty will be given a grade of zero and will be subject to further disciplinary action.

Other Requirements to complete AHS 144: Successfully complete AHS-144 Clinical Rotation

****Note:** Any student with a failing average in AHS-144 lecture (didactic) portion will not be allowed to continue with AHS 144 Clinical Rotation.

ENTRY-LEVEL SKILLS: Basic reading, writing and mathematical skills

PREREQUISITES: High School diploma or GED

COREQUISITIES: None

Disabilities Statement: Any student who feels s/he may need an accommodation based on the impact of a disability should contact the Special Resources Offices (SR) at 803-327-8007 in the 300 area of Student Services. The SRO coordinates reasonable accommodations for students with documented disabilities.

CLINICAL PHLEBOTOMY ROTATION: 120 clinical hours

PREREQUISITES: High school diploma or GED and successful completion of the didactic portion of AHS 144

DESCRIPTION

This rotation affords clinical experiences in a hospital/office phlebotomy department under the supervision of a senior medical technologist or phlebotomist. Routine and special techniques are observed and performed.

CLINICAL ROTATION COMPETENCIES

Upon completion of the phlebotomy clinical rotation, the student will be able to:

- 1) Prepare and assemble equipment for venipuncture and skin puncture.
- 2) Select additive for blood collection.
- 3) Identify patients for blood collection.
- 4) Display communication techniques with patients.
- 5) Perform routine venipuncture and skin puncture techniques.
- 6) Label and transport collected blood specimens.
- 7) Adhere to hospital safety rules and regulations.

CLINICAL ROTATION PERFORMANCE OBJECTIVES

1. Provided with materials used in blood collection, (vacutainer system, needles, syringes, tubes, lancets, alcohol, gauze, etc.) the student will prepare an organized collection tray and assemble the

equipment from the tray for ready use. This will be performed to the satisfaction of the clinical instructor.

2. Given the laboratory requisition slip and a procedure manual, the student will select the required collection tube (additive) according to the laboratory test ordered with 95% accuracy.
3. Given the laboratory requisition slip, the student will positively identify the patient by comparing information on the requisition slip with that on the patient's armband 100% of the time.
4. The student will display professional communication techniques to the patient (identify self, state purpose, use courteous and caring attitudes) according to hospital protocol and to the satisfaction of the clinical instructor.
5. Provided with assembled equipment, requisition slips, and instruction, the student will perform 100 unaided routine venipuncture and 25 skin puncture techniques (– if performed in the facility) according to standard operating procedure and to the satisfaction of the clinical instructor.
6. Following guidelines in the procedure manual, the student will label collected blood with required information and transport (providing required environment) specimens to the laboratory for testing with 95% accuracy.
7. Utilizing the hospital's Exposure Control Plan, Chemical Hygiene Plan, and orientation, the student will follow the protocol established by the hospital concerning blood borne pathogens, chemical safety and personal/patient injury.
8. Utilizing information obtained in AHS 144 lecture on professionalism, the student will display appropriate dress, conduct and attitude at all times.

COURSE REQUIREMENTS

In order to successfully complete the AHS-144 phlebotomy rotation, the following requirements must be met:

1. Attendance at clinical site must be consistent. (1 allowable absence) 120 clinical hours required.
2. Phlebotomy techniques must be performed at a satisfactory level per written evaluation of the department supervisor and also must include a minimum of 100 successful venipunctures.
3. Professionalism in dress, conduct, and attitude must be displayed at all times