

**SEWARD COUNTY COMMUNITY COLLEGE  
COURSE SYLLABUS**

**I. TITLE OF COURSE:** MT1304- Phlebotomy

**II. COURSE DESCRIPTION: 4 credit hours**

**3 credit hours of lecture and 1 credit hours of lab per week.**

A course designed to teach phlebotomy skills for specimen collection using a vacutainer system as well as equipment for difficult draws. Participants will obtain phlebotomy skills to proficiently obtain blood specimens by venipuncture and dermal techniques. The course will consist of lecture and laboratory sessions. The course will also include preparation for a national certification exam.

For each unit of credit, a minimum of three hours per week with one of the hours for class and two hours for studying/preparation outside of class is expected.

Pre-requisite: N/A

**III. PROGRAM AND/OR DEPARTMENT MISSION STATEMENT:**

The Seward County Community College Medical Laboratory Technology and Phlebotomy programs provide a curriculum that produces competent, career entry-level medical laboratory technicians and phlebotomists.

**IV. TEXTBOOK AND MATERIALS:**

McCall, R. E., and Tankersley, C. M. Phlebotomy essentials. (7th ed.). Philadelphia, PA: Lippincott Williams & Wilkins Publishers, 2020.

**V. SCCC OUTCOMES**

Students who successfully complete this course will demonstrate the ability to do the following SCCC Outcomes.

I: Read with comprehension, be critical of what they read, and apply knowledge gained to real life

II: Communicate ideas clearly and proficiently in writing, appropriately adjusting content and arrangement for varying audiences, purposes, and situations.

III: Communicate their ideas clearly and proficiently in speaking, appropriately adjusting content and arrangement for varying audiences, purposes, and situations.

V: Demonstrate the ability to think critically by gathering facts, generating insights, analyzing data, and evaluating information

VI: Exhibit skills in information and technological literacy

IX: Exhibit workplace skills that include respect for others, teamwork competence, attendance/punctuality, decision making, conflict resolution, truthfulness/honesty, positive attitude, judgment, and responsibility

**VI. COURSE OUTCOMES:**

Upon completion of this course the student will be able to:

1. Demonstrate duties of the phlebotomist and utilize appropriate medical terminology.
2. Identify the clinical laboratory sections and apply knowledge regarding specimen collection and testing in the appropriate laboratory section.

3. Demonstrate proper safety protocol.
4. Select and utilize appropriate phlebotomy supplies.
5. Successfully perform venipuncture and dermal puncture procedures.
6. Successfully complete practice exams as preparation for a national certification exam.

## **VII. COURSE OUTLINE:**

1. Phlebotomy: Past and Present and the Health Care Setting (Ch 1)
  - a. Historical Perspective
  - b. Phlebotomy Today
  - c. Confidentiality
  - d. Patient Interaction
  - e. Laboratory Departments
2. Quality Assurance and Legal Issues (Ch 2)
  - a. National Standards & Regulatory Agencies
  - b. Quality Assurance
  - c. Legal Issues
3. Infection Control, Safety, First Aid, and Personal Wellness (Ch 3)
  - a. Infection Control
  - b. PPE
  - c. Isolation
  - d. First Aid
  - e. Safety
  - f. Personal Wellness for Healthcare Workers
4. Medical Terminology (Ch 4)
  - a. Prefixes
  - b. Root Words
  - c. Suffixes
  - d. Abbreviations
5. Human Anatomy and Physiology Review (Ch 5)
  - a. Directional Terms
  - b. Body Systems
    - i. Skeletal
    - ii. Muscular
    - iii. Integumentary
    - iv. Nervous
    - v. Endocrine
    - vi. Digestive
    - vii. Reproductive
    - viii. Urinary
    - ix. Respiratory
6. The Circulatory System (Ch 6)
  - a. Heart
  - b. Vessels
  - c. Blood Composition
  - d. Hemostasis & Coagulation
  - e. Lymphatic System
7. Blood Collection Equipment, Additives, and Order of Draw (Ch 7)
  - a. Equipment & Supplies
  - b. Skin Antisepsis
  - c. Work Practice & Engineering Controls
  - d. Order of Draw
8. Venipuncture Specimen Collection Procedures (Ch 8)
  - a. Venipuncture Procedure
    - i. ETS
    - ii. Syringe
    - iii. Butterfly

- b. Special Circumstances
- 9. Preanalytical Considerations (Ch 9)
- 10. Capillary Puncture Equipment and Procedures (Ch 10)
  - a. Fingerstick
  - b. Heelstick
- 11. Special Procedures
  - a. Special Collections and Point-of-Care Testing (Ch 11)
  - b. Computers and Specimen handling and Processing (Ch 12)
  - c. Nonblood Specimens and Tests (Ch 13)
  - d. Arterial Puncture Procedures (Ch 14)
- 12. Certification Exam Review
  - a. Study questions
  - b. Practice exams

#### **VIII. INSTRUCTIONAL METHODS:**

Lecture, laboratory sessions, video tapes, computer-aided instruction.

#### **IX. INSTRUCTIONAL AND RESOURCE MATERIALS:**

Study questions, reference texts, video tapes, CD ROM disk

#### **X. METHODS OF ASSESSMENT:**

SCCC Outcome #1 will be assessed and measured by class participation and writing assignments indicating comprehension of the material read.

SCCC Outcome #2 will be assessed and measured by written laboratory reports.

SCCC Outcome #3 will be assessed and measured by verbal communication with clinical instructors and of laboratory reports.

SCCC Outcome #5 will be assessed and measured by the student's ability to correctly perform routine venipuncture techniques, determine specimen integrity and resolve discrepancies as encountered. Students will also be assessed on their ability to follow prescribed procedures for troubleshooting and problem solving.

SCCC Outcome #6 will be assessed and measured by the student's ability to properly and efficiently operate venipuncture equipment and supplies.

SCCC Outcome #9 will be assessed and measured by the completion of the Student Attitude Assessment tools by didactic and clinical instructors.

#### **XI. ADA STATEMENT:**

Under the Americans with Disabilities Act, Seward County Community College will make reasonable accommodations for students with documented disabilities. If you need support or assistance because of a disability, you may be eligible for academic accommodations. Students should identify themselves to the Dean of Students at 620-417-1106 or go to the Student Success Center in the Hobbie Academic building, room A149.