

**SOUTHEAST COMMUNITY COLLEGE
HEALTH SCIENCES DIVISION
MEDICAL LABORATORY TECHNOLOGY
Revision Date: 12/2023**

I. CATALOG DESCRIPTION

Course Number:	MEDT 1110
Course Title:	Advanced Phlebotomy
Prerequisite(s):	Procedures in Phlebotomy (C+ or higher)
Catalog Description:	An advanced curriculum following Procedures in Phlebotomy. Further emphasis on the skills and safety procedures required to successfully perform blood collection techniques. Sample processing, waived laboratory testing, advanced sample collection requirements, introduction to requisitions, and basic medical terminology included. Supervised instruction and experience in collection techniques in the laboratory.
Credit Hours:	4
Class Hours:	45
Lab Hours:	45
Total Contact Hours:	90

II. COURSE OBJECTIVES: *Course will:*

1. Continue the theory and technical skills required to safely perform phlebotomy techniques.
2. Familiarize the student with sample processing, waived laboratory testing, basic medical terminology, and diversity in healthcare.
3. Provide supervised practice in collection techniques.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

A. STUDENT LEARNING OUTCOMES: *Student will be able to:*

1. Recognize the importance of correct blood collection techniques in managing total patient care.
2. Define and state the meanings of common medical abbreviations.
3. Identify the components of blood.
4. Differentiate between arteries, veins, and capillaries by structure and function.
5. Provide patients with instructions for urine, fecal, and semen sample collections.
6. Describe the safety precautions associated with specimen processing.
7. Demonstrate proper use of a centrifuge for sample processing.
8. Identify sample collection requirements for various testing performed in a laboratory.
9. Discuss the purpose for quality control in the laboratory.
10. Identify shifts and trends in quality control testing and steps to remedy outliers.
11. Describe the steps in performance of an arterial puncture.
12. Demonstrate the aseptic techniques required when collecting blood culture specimen.
13. Discuss the effects of physical and emotional conditions on geriatric and pediatric populations on laboratory testing.
14. Describe how a phlebotomist should respond when a patient's religion or culture require alternative methods of patient care.
15. State the primary role of the phlebotomist in complying with HIPAA and HITECH.
16. Perform a kit test according to the manufacturer's instructions.

B. GENERAL EDUCATION LEARNING OUTCOMES

1. GELO 3: Critical Thinking and Problem Solving

Outcome: Evaluate the validity of arguments, alternatives, data, outcomes, and/or impacts of actions.

IV. CONTENT/TOPICAL OUTLINE (*course outline may provide more detailed information*)

- A. BASIC MEDICAL TERMINOLOGY**
- B. THE CIRCULATORY SYSTEM**
- C. SPECIAL COLLECTIONS**
- D. SAMPLE REQUIREMENTS**
- E. QUALITY CONTROL**
- F. POINT-OF-CARE TESTING**
- G. KIT TESTING**
- H. ARTERIAL BLOOD COLLECTION**
- I. PEDIATRIC BLOOD COLLECTION AND NEWBORN SCREENS**
- J. COMPOSITION AND FUNCTION OF BLOOD**
- K. HIPAA AND HITECH**
- L. DIVERSITY AND PROFESSIONAL ETHICS**
- M. REGULATION AGENCIES**

V. INSTRUCTIONAL MATERIALS

A. Required Text(s):

Schaub, DiLorenzo, Marjorie and Susan King Strasinger. *The Phlebotomy Textbook* (current edition).
F.A. Davis Company, Philadelphia, PA.

B. Other Resources:

Laboratory coat (disposable, available in SCC Bookstore)
Latex-free, powder-free, non-vinyl disposable gloves (1 bag of 50, available in SCC Bookstore)

VI. METHODS OF PRESENTATION/INSTRUCTION

A. Methods of presentation typically include a combination of the following:

1. In-person and recorded lectures and videos
2. In-person and recorded laboratory demonstrations and videos
3. Lecture activities and tasks (both self-guided and with a partner or group)
4. Laboratory activities and tasks (both self-guided and with a partner or group)
5. Discussions
6. Points-based activities

VII. METHODS OF EVALUATION

- A.** Methods of evaluation typically include a combination of assignments, quizzes, exams, projects, laboratory competencies, etc. For grading expectations please see the course information document.

Current College Grading Scale will be used.

SCC STANDARD GRADING SCALE POLICY:

A+	95-100	C+	75-79
A	90-94	C	70-74
B+	85-89	D+	65-69
B	80-84	D	60-64
		F	Below 60

VIII. SPECIFIC COURSE REQUIREMENTS

The student must obtain a minimum grade of "C+" in Procedures In Phlebotomy to enroll in the course. The MLT Program Guidelines and Requirements will be followed and applied in this course, as written in the MLT Student Handbook.