



**Berkshire Medical Center
School of Medical Laboratory Science**

Course Syllabus

Course No. : MEDT 411
Course Title: Phlebotomy

Credits: 0

Description:

Introduces students to the essentials of phlebotomy. Students learn the basic anatomy and physiology of the blood draw, infection control and medical terminology. Explains the most common testing. Discusses the various techniques for obtaining a blood sample. Discusses proper procedure for various collections, legal and ethical issues, importance of confidentiality, pre-analytical factors, safety and handling, and patient interaction. Students apply this information in the clinical setting using current techniques and proper procedures.

Primary Didactic Instructor: Lori Moore, M.Ed., MLS(ASCP)
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Clinical organizers: Lori Moore, M.Ed., MLS(ASCP)
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Kathy Lavinio
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Additional Instructors: Director of IV therapy
Blood Bank Supervisor
Outpatient Phlebotomy Supervisor
Inpatient/Outpatient phlebotomy staff

Required text: None.

Reference texts:

The Lab Draw Answer Book, 2nd edition, Dennis Ernst, Catherine Ernst, 2017
Phlebotomy Handbook, 9th edition, Diana Garza, Kathleen, Becan-McBride, 2015
Phlebotomy: A Competency Based Approach, 5th edition, K. Booth & L. Mundt, 2019
Phlebotomy Essentials, 5th ed., Ruth McCall & Cathee Tankersley, 2012.

****Assigned reading:** phlebotomy articles provided



Lecture: Four scheduled lectures: July - August

1. Watch videos
 - a. Basic Venipuncture
 - b. Preventing Preanalytical errors
2. Collection of specimens
 - a. Lab specimen quality and integrity
3. Labeling specimens, bar code labels, basic Meditech functions
4. Who draws blood at the hospital
 - a. Director of IV therapy
5. Identification and labeling of blood bank specimen
 - a. Blood bank supervisor

Laboratory: ~ 2 week clinical rotation with outpatient and inpatient training

**See individual student schedule for dates

Course Goals and Objectives

Based on the didactic material student will score a 75% or above on the phlebotomy exam to achieve competency. The students will score a "Pass" or "Fail" on clinical instruction to demonstrate competency of the following:

Upon completion of the Phlebotomy clinical and didactic course the student will:

1. Develop a basic knowledge of the anatomy and physiology of the arm and hand.
2. Explain the principles of each phlebotomy technique used (venipuncture, fingerstick, heel stick, blood culture collection, etc).
3. Explain the importance of quality control and apply it to good phlebotomy practice.
4. State some of the most common pre-analytical errors that occur and describe the effect they have on laboratory testing.
5. Determine appropriate specimen collection, processing, and transport of specimens by following established procedures and resolve issues as they arise.
6. Discuss the importance of patient identification.
7. Discuss the importance of infection control, safety, and disposal of material.
8. Assess patients' available veins and select most appropriate site.
9. Perform phlebotomy procedures following established guidelines.
10. Differentiate tube type and use appropriate order of draw.
11. Discuss legal and ethical issues as they relate to blood collection.
12. Describe some adverse phlebotomy outcomes and select the best method to handle the situation.
13. Organize workflow for efficiency in specimen collection.
14. Practice established confidentiality guidelines.
15. Demonstrate professional and ethical conduct with all healthcare professionals, consumers, patients, and other laboratory students.

Basis for Student Evaluation

Lecture evaluation will consist of 1 exam. The clinical laboratory evaluation consists of an evaluation by clinical trainers as to the acceptable performance of the student in both technique and affective behavior. A minimum of 20 successful phlebotomies is the acceptable passing guideline. This course has a pass/fail grading system. This course is not eligible for college credits.

Affective behaviors

Didactic

Following appropriate training, during didactic instruction the student will:

1. Exhibit professional behavior during didactic instruction.
2. Attend lectures in a timely manner.
3. Respect other students and members of the laboratory.
4. Contribute to a positive learning environment.
5. Demonstrate an interest in the subject matter.
6. Comply with hospital and laboratory dress code and personal appearance policies.
7. Comply with institutional policies concerning safety and confidentiality.
8. Cooperate when situations arise and there is a necessary change in lecture schedule.
9. Participate in creating an inclusive learning environment.

Clinical

Following appropriate training, during clinical instruction the student will:

1. Comply with all hospital, laboratory, and school policies.
2. Demonstrate phone etiquette using BMC customer service standards.
3. Maintain a neat, clean, and orderly work area in the Chemistry department.
4. Value the advice and opinion of others.
5. Accept responsibility for their own actions notifying instructor or supervisor of any errors.
6. Be dependable and punctual for the clinical experience.
7. Organize their time to complete assignments and daily training.
8. Accept constructive feedback and use it as a tool for improved performance.
9. Establish a good rapport with departmental staff and uphold the concept of teamwork.
10. Cooperate when situations arise and there is a necessary change in lecture schedule.
11. Comply with hospital and laboratory dress code and personal appearance policies.
12. Contribute to a positive, inclusive clinical training environment.

Attendance

Students follow the School of MLS attendance policy. Students are allotted 80 hours for personal time and sick time during the course of the internship. The Program Director and clinical department must be notified of any sudden absence as soon as possible. The main lab number may be called 24 hours a day to notify the lab of an absence. The Program Director should be emailed to document the absence.

Any coursework or clinical training missed over the 80 hours allowed, will require consultation with the Program Director as to the course of action to make up lost training time.

Snow days

Cancellation of classes or clinical training due to inclement weather will be at the discretion of the Program Director.

(Phlebotomy syllabus)