MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE
COURSE OUTLINE

Faculty are required to have the outline submitted to the Academic Affairs Office. The course outline is
the form used for approval of new courses by the Academic Affairs and Standards Council.

DEPT. MDLT COURSE NUMBER: 2200

NUMBER OF CREDITS: 4

COURSE TITLE: Phlebotomy Externship

CATALOG DESCRIPTION: Phlebotomy Technician Externship consists of 120 contact hours of
supervised practice of phlebotomy at an affiliated hospital, private laboratory or clinic. Learning activities
are specifically planned and implemented at the clinical affiliated site. Student clinical experience is
standardized using a checklist. Fine motor skills and some mobility are required for students to successfully
perform in most clinical facilities: drawing patient's blood in the inpatient and outpatient settings, processing
specimens including operating mechanical and computerized equipment and performing clerical duties.
Good communication skills are critical in dealing with patients, clients, physicians, nurses and other health
care workers. The student will make arrangements with the Medical Laboratory Technician Program
Director regarding their externship time and site.

AUDIENCE: Phlebotomy Technician students

FULFILLS MN TRANSFER CURRICULUM AREA(S) (Leave blank if not applicable)
Area: by meeting the following competencies:
Area: by meeting the following competencies:
Area: by meeting the following competencies:

PREREQUISITES OR NECESSARY ENTRY SKILLS/KNOWLEDGE: MDLT1100 with 72% or better

LENGTH OF COURSE: 120 contact hours in clinical site. Student may have more hours if the objectives
are not completed in the 120 contact hours.

THIS COURSE IS USUALLY OFFERED:
Every other year ☐ fall ☐ spring X summer ☐ undetermined ☐
Four goals are emphasized in course at Minnesota West Community & Technical College

ACADEMIC CONTENT: The academic objectives of this course are:

1) Collection, safe handling, and analysis of biological specimens.
2) Identify adverse reactions to blood drawing and describe how to respond to each
3) Participate in quality assurance monitors
4) Comply with established laboratory safety regulations.
5) Comply with applicable regulations governing regulatory compliance related to phlebotomy
6) Utilize computers, laboratory software, and information systems effectively.
7) Demonstrate ethical behavior and maintain confidentiality of patient results.
8) Communicate effectively and professionally to enable consultative and educational interactions with health care personnel, the public, and patients.
9) Participate in continuing education for one's own professional development.

THINKING SKILLS: This course will help students improve the effectiveness of their thinking skills through:

   a. Choosing correct supplies for phlebotomy procedure according to age of patient and difficulty of draw
   b. Choosing appropriate anatomical sites for phlebotomy
   c. Implementing problem solving skills when phlebotomy draws are unsuccessful
   d. Actual collection, handling, and transportation of blood and body fluids
   e. Following safety and infection control protocols as it pertains to the clinical situation and handling and transportation of blood and body fluids
   f. Properly labeling tubes and other specimens

10) COMMUNICATIONS SKILLS: This course will help students improve their oral and written communication skills through:

   a. Working with members of healthcare teams
   b. Describe instructions to be given to patients in preparation for routine blood collection, glucose testing, bleeding times, and other procedures normally performed by the phlebotomist
   c. Using computer skills
   d. Enforce rules of telephone etiquette appropriate for the clinical setting
   e. Encountering patients with communication barriers
11) HUMAN DIVERSITY: This course will help students recognize, understand, and appreciate human diversity through:
   a. Observing how the following affects health/illness of patients
      1. cultural theory
      2. family form
      3. gender, age
   b. Working with patients and co-workers who may have differences in racial, cultural, and gender perspectives, intergenerational values, and work/life needs

TOPICS TO BE COVERED:

1. Identification of patient
2. Infection control and safety protocol and procedures
3. Venipuncture techniques, vacutainer, syringe and butterfly draws
4. Glucose Tolerance Testing and bedside glucose testing
5. Collection of blood for drug testing including prescription and illegal drugs
6. Collection of Blood cultures
7. Observation or collection from patients in isolation, psychiatric wards, nursery, emergency room
8. Observation of arterial blood gas collections
9. Blood bank specimen collection
10. Observation or collection from patients that may be a difficult draw such as patients in dialysis, patients with IVs, patients receiving blood transfusions, patients with mastectomy
11. Centrifugation of blood and aliquoting samples
12. Correct labeling of tubes and specimens
13. Dermal punctures on adults and children
14. Phlebotomy on the elderly and children
15. Selecting the correct tubes for the ordered tests
16. Transportation and preservation of samples
17. Organizing phlebotomy supplies
18. Observe or perform hand/wrist draw, draw from a heparin lock or indwelling catheter
19. Operation of the lab information system or other computer programs used by phlebotomists
20. Professionalism: dependability, dress, honesty, human relations
21. Communication skills

LIST OF EXPECTED COURSE OUTCOMES:

The program is designed to provide students with information about:

   health care delivery system;
   collection of materials and equipment;
   veinipuncture and capillary puncture techniques;
   specimen transport and processing techniques;
   quality assurance and safety techniques;
   basic concepts of communications, and
   medical and legal implications of blood collection.
LEARNING/TEACHING TECHNIQUES used in the course are:

☐ Collaborative Learning  X  Problem Solving
☐ Student Presentations  ☐ Interactive Lectures
☐ Creative Projects  ☐ Individual Coaching
☐ Lecture  ☐ Films/Videos/Slides
☐ Demonstrations  X  Other (describe below)
☐ Lab  On the job internship

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:

X  Reading  X  Tests  ☐ Individual Projects
☐ Oral Presentations  ☐ Worksheets  ☐ Collaborative Projects
☐ Textbook Problems  ☐ Papers  ☐ Portfolio
☐ Group Problems  ☐ Term Paper
☐ Other (describe below)

EXPECTED STUDENT LEARNING OUTCOMES:

The information in this course outline is subject to revision

To receive reasonable accommodations for a documented disability, please contact the campus Student Services Advisor or campus Disability Coordinator as arrangements must be made in advance. In addition, students are encouraged to notify their instructor.

Veteran Services: Minnesota West is dedicated to assisting veterans and eligible family members in achieving their educational goals efficiently. Active duty and reserve/guard military members should advise their instructor of all regularly scheduled military appointments and duties that conflict with scheduled course requirements. Instructors will make every effort to work with the student to identify adjusted timelines. If you are a veteran, please contact the Minnesota West Veterans Service Office.

This document is available in alternative formats to individuals with disabilities by contacting the Student Services Advisor or by calling 800-658-2330 or Minnesota Relay Service at 800-627-3529 or by using your preferred relay service.

A Member of the Minnesota State Colleges and Universities System
An Affirmative Action Equal Opportunity Educator/Employer