Faculty is 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. Medical Laboratory Technician COURSE NUMBER: MDLT 2130

NUMBER OF CREDITS: 7

COURSE TITLE: Externship II

CATALOG DESCRIPTION: This is the second part of the MLT student’s externship in an affiliated hospital laboratory. The student will continue his/her assigned affiliated hospital under the direct supervision of a qualified laboratory professional. The student will rotate through various departments of the laboratory. The student will review and be tested in Bloodbanking, (Immunohematology), Immunology, and Chemistry. The student will be responsible for worksheets, exams, journal, abnormal slide project and a written case study.

Note: Departmental rotation is set up by the laboratory manager at each facility so it may vary facility to facility. In some instances the student may have completed a rotation scheduled for Externship II in Externship I. The grade still would apply for the department as set up by MWCTC. For example, if a student completes Chemistry rotation in Externship I, the grade will not be reflected until Externship II.

AUDIENCE: Medical Laboratory Technician student that has completed all courses including Externship I and Diagnostic Testing.

FULFILLS MN TRANSFER CURRICULUM AREA(S) (Leave blank if not applicable)

PREREQUISITES OR NECESSARY ENTRY SKILLS/KNOWLEDGE: All General Education Courses, all MDLT courses, Diagnostic Testing and Externship I

LENGTH OF COURSE: Summer session I and II note: Externship I and II are based on number of hours in each department. The student may finish before Summer Session II calendar days are complete.

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

1) ACADEMIC CONTENT: The academic objectives of this course are:
   a. Further enhance the students’ knowledge and skills in Chemistry, Immunohematology, and Immunology,
   b. Review knowledge and skills in all areas of the hospital laboratory
   c. Student will research and write a case study
   d. Student will be evaluated by laboratory professionals in regards to their performance skills and communication

2) THINKING SKILLS: This course will help students improve the effectiveness of their thinking skills through:
   a. Correctively performing diagnostic tests in the laboratory and understanding what tests and correlating them to the disease process
   b. The student will select a patient for a case study. They will research the tests and procedures performed, diagnosis and treatment. They will then write a research paper on their case study.
   c. Problem solving

3) COMMUNICATIONS SKILLS: This course will help students improve their oral and written communication skills through:
   a. Working with patients (phlebotomy and EKGs)
   b. Working with other laboratory professionals, hospital personnel and pathologists
   c. Give an oral presentation on their case study

4) HUMAN DIVERSITY: This course will help students recognize, understand, and appreciate human diversity through:
   a. Working with patients of many ethical and religious backgrounds
   b. Working with other laboratory professionals, hospital personnel and pathologists

TOPICS TO BE COVERED:
Main emphasis is on:
   1. Immunohematology
   2. Immunology
   3. Chemistry
   4. Review of all departments in the laboratory

LIST OF EXPECTED COURSE OUTCOMES:
Externship II is the final phase of the MLT’s basic education. The externships provides on the job training which prepares them for employment. So the expected outcome is for the student to function as a new medical laboratory
The externship also prepares the student for the MLT certification board. Outcomes also include:

- Ability to analyze data
- Ability to think logically and creatively
- Ability to solve problems as deemed necessary on the MLT level
- Ability to apply knowledge to practical situations
- Ability to respond flexibly as situations change
- Demonstrated fluency in information technology; computer literacy

**LEARNING/TEACHING TECHNIQUES** used in the course are:

- Collaborative Learning
- Problem Solving
- Student Presentations
- Interactive Lectures
- Creative Projects
- Individual Coaching
- Lecture
- Films/Videos/Slides
- Demonstrations
- Other (describe below)
- Lab
- On the Job Training

**ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:**

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

**EXPECTED STUDENT LEARNING OUTCOMES:** The student should expect to have the knowledge and skills to function as a medical laboratory technician in a hospital laboratory or similar laboratories.

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.