MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE
COURSE OUTLINE

Faculty members 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.  Medical Laboratory Technician     COURSE NUMBER:  MDLT2106

NUMBER OF CREDITS:  3     Lecture: 2     Lab: 1

<table>
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<th>Course Title:</th>
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<tr>
<td>IMMUNOHEMATOLOGY</td>
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<th>Catalog Description:</th>
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<td>This course teaches the theory of red cell antigen-antibody interactions as it relates to blood grouping and typing, antibody detection compatibility testing. Blood donor screening component preparation are also discussed. In laboratory the student will perform basic blood banking procedures. Accuracy in procedure interpretation is emphasized.</td>
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FULFILLS MN TRANSFER CURRICULUM AREA(S)

Goal 1: Communication:  ____ by meeting the following competencies:

Goal 2: Critical Thinking:  ____ by meeting the following competencies:

Goal 3: Natural Sciences:  ____ by meeting the following competencies:

Goal 4: Mathematics/Logical Reasoning:  ____ by meeting the following competencies:

Goal 5: History and the Social and Behavioral Sciences:  ____ by meeting the following competencies:

Goal 6: The Humanities and Fine Arts:  ____ by meeting the following competencies:

Goal 7: Human Diversity:  ____ by meeting the following competencies:

Goal 8: Global Perspective:  ____ by meeting the following competencies:

Goal 9: Ethical and Civic Responsibility:  ____ by meeting the following competencies:

Goal 10: People and the Environment:  ____ by meeting the following competencies:

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<th>Prerequisites or Necessary Entry Skills/Knowledge:</th>
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<td>MDLT 1100 AND MDLT 1120</td>
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Topics to be Covered
This course focuses on the concepts and techniques used in transfusion medicine.

Student Learning Outcomes

1. Apply principles of safety, quality assurance, and quality control in immunohematology
2. Describe blood group genetics, characteristic of the blood group system, and the principles of immunology as they relate to immunohematology
3. List the requirements for the donation of blood; and describe the preparation, storage, and use of blood components
4. Evaluate laboratory test results; select additional procedures to be performed; correlate test results with patient conditions.
5. Describe the principles and perform routine blood bank tests

Is this course part of a transfer pathway: Yes ☐ No ☒

Revised 02/2020