



HAGERSTOWN COMMUNITY COLLEGE CURRICULUM FORM

COURSE MODIFICATION

CC#

Prefix	Course #	Course Title	Division	Effective Term
MLT	110	Hematology & Hemostasis	HS	FA/26
Reason for Course Modification Submission				
<input checked="" type="checkbox"/> Course Change <input checked="" type="checkbox"/> Other (explain): Course Description and Course Outcomes <input type="checkbox"/> Reactivation of Inactive Course				
Rationale for Course Modification				
<p>The revision to the course description improves clarity, uses more concise language, and better reflects learning outcomes. It focuses on key skills and provides a broader, more inclusive overview of the course content, aligning with educational standards.</p> <p>Course learning outcomes have been revised to provide a clearer, more focused framework that emphasizes measurable, applied skills aligned with current industry and accreditation standards.</p>				
Please Indicate all Changes				
<input type="checkbox"/> Prerequisite <input type="checkbox"/> Co-Requisite <input type="checkbox"/> Course #	<input checked="" type="checkbox"/> Course Description <input type="checkbox"/> Credits - From: To: <input type="checkbox"/> Contact Hrs for: Lecture From: To: Lab From: To: Clinical From: To:	<input checked="" type="checkbox"/> Other: Course Outcomes <input type="checkbox"/> Course Title <input type="checkbox"/> Load for: Lecture From: To: Lab From: To: Clinical From: To:		
CURRENT Course Information <i>**(Copy/Paste from Catalog)</i>				
MLT 110 - Hematology & Hemostasis (4 Credits)				
<p>This course covers the study of blood cells, disease, theory of coagulation and diagnostic procedures relating to whole blood. Also included is instruction in specimen processing and handling. Basic elements of automation and quality control are introduced.</p> <p>Credits 4 credits</p> <p>Prerequisite Take BIO-116, CHM-101, and MLT-101.</p> <p>Corequisite Take MLT-110L.</p> <p>Semesters Offered Spring Only, All Years</p> <p>Course Outcomes:</p> <ol style="list-style-type: none">1. Describe the various types of blood cells, their production, structure and physiological functions;2. Discuss the coagulation process and its role in maintaining hemostasis;3. Discuss the principles and procedures of routine and specialized hematologic and hemostatic analysis;4. Demonstrate current hematological procedures used to diagnose, monitor and evaluate disorders;5. Demonstrate the basic principles of hematology instrumentation and the quality assurance and quality control measures used in evaluation; and6. Identify normal and abnormal blood elements using routine and specialized hematologic tests, and report the results.				



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PROPOSED Course Information **** (PLEASE put changes in red)**

MLT 110 - Hematology & Hemostasis (4 Credits)

This course ~~covers the study of blood cells, disease, theory of coagulation and diagnostic procedures relating to whole blood. Also included is instruction in specimen processing and handling. Basic elements of automation and quality control are introduced.~~ **presents hematology and coagulation theory and practice. It focuses on analysis of formed elements, normal and abnormal cellular maturation and function, anemia and leukemia, and the coagulation pathway. Laboratory experience includes complete blood counts, normal and abnormal differentials, and coagulation procedures. Students will learn how to correlate laboratory results with disease states.**

Credits

4 credits

Prerequisite

Take BIO-116, CHM-101, and MLT-101.

Corequisite

Take MLT-110L.

Semesters Offered

Spring Only, All Years

Course Outcomes:

1. Describe the physiology, production, and destruction of blood cells.
2. Perform routine manual and automated hematology and coagulation testing.
3. Interpret routine manual and automated hematology and coagulation results.
4. Correlate hematologic and coagulation lab results with pathologies.
5. Troubleshoot sources of error in hematology and coagulation testing.

If this Course is adding/removing developmental requisites, have you confirmed this change with Developmental Education? *(please have them sign below)*

Date:

Developmental Education Director/Faculty:

APPROVAL SIGNATURES

Date:

Requesting Faculty: Shawnda Coon

10/02/2025

Requesting Division Director: Jeffrey Telemeco

10/13/2025

Curriculum Committee Co-Chair:

VPAASS, Co-Chair: