

# ***EXHIBIT B***



**BOARD OF TRUSTEES**

**Bylaw, Policy, and Curriculum Committee Agenda Items**

**To:** Board of Trustees  
**From:** Office of the President  
**Date:** September 21, 2023

The following Bylaw, Policy, and Curriculum Committee items are recommended to the Ocean County College Board of Trustees for approval at its meeting on **Thursday, September 28, 2023**:

1. Recommend approval of the following items as accepted by the College Senate at its meeting on September 21, 2023:
  - a. New Program Option
    - 1) Associate in Applied Science Degree in Health Science Option in Medical Laboratory Technology (**Exhibit B-1**)
  - b. New Courses
    - 1) HIST 240, Travel Seminar – Studies in History (**Exhibit B-2**)
    - 2) MDLT 112, Introduction to Medical Laboratory Technology (**Exhibit B-3**)
    - 3) MDLT 200, Clinical Chemistry (**Exhibit B-4**)
    - 4) MDLT 212, Clinical Hematology (**Exhibit B-5**)

## ***EXHIBIT B-1***

9/21/23, 1:21 PM

AAS.HS.MDLT: Health Science - Option in Medical Laboratory Technology (w/ Mercer CC)

## Program Change Request

Date Submitted: 08/18/23 2:11 pm

Viewing: AAS.HS.MDLT ~~AAS.HS~~ : Health Science - Option in Medical Laboratory Technology (w/ Mercer CC)

Last approved: 08/14/23 1:09 pm

Last edit: 08/18/23 2:11 pm

Changes proposed by: Susan O'Connor (soconnor)

### In Workflow

1. STEM Academic Administrator
2. STEM Dean
3. Executive Director of Curriculum and Program Development
4. Curriculum Committee Chair
5. Senate Chair
6. Vice President of Academic Affairs
7. President's Leadership Team Chair
8. President
9. Board of Trustees Chair
10. Academic Administrator for Programs

Program Type	<u>Option</u> <del>Associate of Applied Science (AAS)</del>
Program Title	Health Science - Option in Medical Laboratory Technology (w/ Mercer CC)
Option Title	<u>Health Science - Option in Medical Laboratory Technology (w/ Mercer CC)</u>
Academic School	Science, Technology, Engineering, Mathematics
Base Program	<u>Health Science</u>
Effective Catalog Year	2023-2024
Program Code	<u>AAS.HS.MDLT</u> <del>AAS.HS</del>
CIP Code	510000 - Health Services/Allied Health/Health Sciences, General.

### Approval Path

1. 08/18/23 2:19 pm  
Susan O'Connor

### Program Description

<https://catwork.ocean.edu/courseleaf/approve/?role=admin>

1/9



9/21/23, 1:21 PM

AAS.HS.MDLT: Health Science - Option in Medical Laboratory Technology (w/ Mercer CC)

- (soconnor):  
Approved for STEM  
Academic  
Administrator
2. 08/18/23 2:19 pm  
Susan O'Connor  
(soconnor):  
Approved for STEM  
Dean
3. 08/18/23 2:19 pm  
Susan O'Connor  
(soconnor):  
Approved for  
Executive Director  
of Curriculum and  
Program  
Development
4. 09/14/23 4:23 pm  
Heather Sciarappa  
(hscarappa):  
Approved for  
Curriculum  
Committee Chair

### History

1. Aug 14, 2023 by  
Susan O'Connor  
(soconnor)

9/21/23, 1:21 PM

AAS.HS.MDLT: Health Science - Option in Medical Laboratory Technology (w/ Mercer CC)

This Associate in Applied Science (AAS) Degree in Health Science with an option in Medical Laboratory Technology is designed for students aiming to become certified medical laboratory technicians. The program is an accredited Medical Laboratory Technology program offered in partnership with Mercer County Community College and is composed of two phases.

The pre-professional phase, which fulfills general Associate in Applied Science (A.A.S.) Degree in Health Science is designed for students already working in the healthcare field as paraprofessionals who wish to enhance their educational goals of the freshmen entering College for the first time, includes credentials. They will receive up to 19 college credits for their previous postsecondary training in basic sciences and is offered entirely at Ocean County College. experience. The evaluation of previous training and experience will be conducted by the School of Nursing and Health Sciences and will be based upon review of transcript(s) from previous educational program(s) and work experience documented in a comprehensive portfolio. Students will complete the remaining credits as outlined to earn the A.A.S. To be successful in the preprofessional phase, the student must complete all the required pre-professional courses with a minimum of 2.5 GPA and achieve a grade of C or better in all required pre-professional math and science courses in no more than 2 attempts. The student must meet all application requirements dictated by Mercer CC. Then the student must apply to join the professional phase and be accepted.

Upon successful completion of the pre-professional phase, the student can enter the professional phase of the program, which is a sequence of specialized program-specific courses, offered in part at Ocean County College and in part with Mercer County Community College (on OCC's campus) and partnering hospitals, laboratories, and institutions. The professional phase equips the student with education, technical training, personal qualities, and best practices needed to be successful as an entry-level medical laboratory technician and to successfully transition to the workplace and/or to continue their educational journey.

To be successful in the professional phase, the student must complete all required professional phase courses in sequence with a grade of C+ or better after no more than 2 attempts per course at either Ocean County College or Mercer County Community College combined.

Additionally, the student must maintain high professional behavioral standards in order to remain in good standing and to progress through the professional phase of the program. These include:

1. Dependability
2. Attentiveness
3. Organization
4. Independence
5. Record Keeping
6. Management and Economy
7. Safety
8. Interpersonal Skills
9. Composure
10. Integrity

9/21/23, 1:21 PM

AAS.HS.MDLT: Health Science - Option in Medical Laboratory Technology (w/ Mercer CC)

10. integrity  
~~degree.~~Program Learning  
Outcomes

	Students who successfully complete this program will be able to:
PLO1	<u>Qualify to work as entry-level medical laboratory technician, be eligible to take and able to pass the national certification exam.</u> <del>Discuss the role of management in healthcare organizations, including leadership, ethical issues, professionalism, and cultural and diversity awareness:</del>
PLO2	<u>Apply professional and ethical behaviors along with interpersonal skills when communicating with colleagues and patients in the workplace.</u> <del>Compare and contrast healthcare delivery organizations, such as hospitals, clinics, long term-care facilities, and other service providers:</del>
PLO3	<u>Demonstrate academic and technical competence in the professional courses of the curriculum through college and applied clinical education experiences.</u> <del>Exhibit a commitment to the needs of a diverse population of patients in healthcare settings:</del>
PLO4	<u>Gain relevant professional employment within one year of graduation from the program.</u> <del>Communicate effectively with patients, families, and groups in collaboration with other healthcare professionals through reading, listening, speaking, and writing:</del>
PLO5	<u>Demonstrate satisfactory level of training to maintain the employment.</u> <del>Adhere to legal and ethical principles as they relate to individual patients and the healthcare community:</del>
PLO6	<u>Describe the importance of continuing education in lifelong learning and in obtaining and maintaining professional credentialing.</u> <del>Integrate critical thinking and problem-solving appropriate for their healthcare disciplines:</del>
PLO7	<u>Maintain familiarity with the profession's code of ethics and consistently act within those standards during interactions with fellow classmates and working</u>

9/21/23, 1:21 PM

AAS.HS.MDLT: Health Science - Option in Medical Laboratory Technology (w/ Mercer CC)

Students who successfully complete this program will be able to:

professionals in the clinical laboratory setting. ~~Exhibit an enhanced professionalism in their chosen healthcare fields.~~

### Learning Outcomes Display (show only)

Course Code	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7
Freshman							
First Semester							
<a href="#">ENGL 151</a> 							
<a href="#">BIOL 130</a> 							
<a href="#">PSYC 172</a> 							
Second Semester							
<a href="#">ENGL 152</a> 							
<a href="#">BIOL 131</a> 							
<a href="#">BIOL 232</a> 							
<a href="#">CHEM 181</a> 							
<a href="#">COMM 154</a> 							
Sophomore							
First Semester							
Second Semester							
FirstSemester							
SecondSemester							



9/21/23, 1:21 PM

AAS.HS.MDLT: Health Science - Option in Medical Laboratory Technology (w/ Mercer CC)

## Required Qualifications

## Plan of Study Grid

## Freshman

## First Semester

## Credit Hours

<u>ENGL 151</u>	English I	3
<del>AHMT 110</del>	<del>Medical Terminology</del>	<del>3</del>
<u>Mathematics Gen. Ed. Requirement</u>		3
<del>Any Gen. Ed. Requirement</del>		<del>3</del>
<u>BIOL 130</u>	<u>Human Anatomy and Physiology I</u>	<u>4</u>
<u>PSYC 172</u>	<u>General Psychology</u>	<u>3</u>
Any STSC - Student Success Seminar course <sup>1</sup>		2
	Credit Hours	15

## Second Semester

<u>ENGL 152</u>	English II	3
<del>PHIL 192</del>	<del>Contemporary Ethical Issues</del>	<del>3</del>
<del>PSYC 172</del>	<del>General Psychology</del>	<del>3</del>
<del>Technology Gen. Ed. Requirement</del>		<del>3</del>
<del>Any Gen. Ed. Requirement</del>		<del>3</del>
<u>BIOL 131</u>	<u>Human Anatomy &amp; Physiology II</u>	<u>4</u>
<u>BIOL 232</u>	<u>Microbiology</u>	<u>4</u>
<u>CHEM 181</u>	<u>General Chemistry I</u>	<u>4</u>
<u>COMM 154</u>	<u>Fundamentals of Public Speaking</u>	<u>3</u>
	Credit Hours	18

## Sophomore

## First Semester

<del>COMM 154</del>	<del>Fundamentals of Public Speaking</del>	<del>3</del>
<del>SOCI 181</del>	<del>Introduction to Sociology</del>	<del>3</del>
<del>BIOL 114</del>	<del>Principles of Biological Science</del>	<del>4</del>
<del>or BIOL 119</del>	<del>or Science and the Human Body</del>	
<del>or BIOL 130</del>	<del>or Human Anatomy and Physiology I</del>	

9/21/23, 1:21 PM

AAS.HS.MDLT: Health Science - Option in Medical Laboratory Technology (w/ Mercer CC)

<del>Any Gen. Ed. Requirement</del>	<del>2</del>
<u>MDLT 112 - Introduction to Medical Laboratory Technology</u>	<u>3</u>
<u>MLT 200 - Clinical Chemistry</u>	<u>4</u>
<u>MLT 212 - Clinical Hematology</u>	<u>4</u>
Credit Hours	11
Second Semester	
<del>AHLT 893 - Health Science Professional Experience<sup>2</sup></del>	<del>19</del>
<u>Mercer County College - Medical Laboratory Technology Credits - MDLT 893<sup>2</sup></u>	<u>16</u>
Credit Hours	16
Total Credit Hours	60

<sup>1</sup>

A variety of STSC -Student Success Seminar courses are available. Please speak to your academic advisor for assistance when selecting.

<sup>2</sup>

Students are awarded a total of 16 credits for completing The AAS in Medical Laboratory technology at Mercer County College.

How does this  
option differ from  
it's base program?

The changes to this program include:

1. Changing open general education courses to specific general education courses.
2. Changing the bulk AHMT transferred-in credit to MDLT transferred-in credit.
3. Changing a number of health science courses to specific MDLT courses (11 credits total)

## Degree Requirements Breakdown

GCOM	Course Code & Title	Credits
	ENGL 151 and 152	6
GHUM	Course Code & Title	Credits
	<u>X</u>	<u>X</u>
GSOC	Course Code & Title	Credits
	<u>X</u>	<u>X</u>

9/21/23, 1:21 PM

AAS.HS.MDLT: Health Science - Option in Medical Laboratory Technology (w/ Mercer CC)

## GSOC/ GHUM

Course Code & Title	Credits
PSYC 172	3

## GMAT/ GSCI/ GTEC

Course Code & Title	Credits
Any Gen Ed Math	3

## General Education

Course Code & Title	Credits
<u>BIOL 130</u> <del>Any Gen Ed Course</del>	<u>4</u> <del>3</del>

Concentration  
Courses

Course Code & Title	Credits
<del>AHMT 110</del>	<del>3</del>
ANY STSC Course (elective)	2
<u>BIOL 132</u> <del>PHIL 192</del>	<u>4</u> <del>3</del>
<u>BIOL 232</u> <del>ANY-GEN-ED-TECH</del>	<u>4</u> <del>3</del>
<u>CHEM 181</u> <del>ANY-GEN-ED</del>	<u>4</u> <del>3</del>
COMM 154	3
<u>MDLT 112</u> <del>SOCI 181</del>	3
<u>MDLT 200</u> <del>BIOL 114, 119, OR 130</del>	4
<u>MDLT 212</u> <del>AHLT 893</del>	<u>4</u> <del>19</del>
<u>MDLT 893</u> <del>ANY-GEN-ED</del>	<u>16</u> <del>2</del>

## Elective Courses

Course Code & Title	Credits
<u>X</u>	<u>X</u>

## Board Approval

<https://catwork.ocean.edu/courseleaf/approve/?role=admin>

9/21/23, 1:21 PM

AAS.HS.MDLT: Health Science - Option in Medical Laboratory Technology (w/ Mercer CC)

History of Board  
approval dates

Submitted by Susan O'Connor in preparation for MOU with Mercer CC.

Reviewer

Comments

Key: 103



## ***EXHIBIT B-2***

9/21/23, 1:23 PM

HIST 240: Travel Seminar: Studies in History

## Course Change Request

### New Course Proposal

Date Submitted: 07/28/23 8:36 am

Viewing: **HIST 240 : Travel Seminar: Studies in History**

Last edit: 09/14/23 4:08 pm

Changes proposed by: Justin Pfeifer (jpfeifer)

Learning Outcomes

Display (show only)

#### 1. Course Information

Subject	HIST - History
Course Number	240
School	Arts and Humanities
Course Title	Travel Seminar: Studies in History

#### 2. Hours

Semester Hours	3
Lecture	2
Lab	0
Practicum	3

#### 3. Catalog Description

#### In Workflow

1. AH Academic Administrator
2. AH Dean
3. Executive Director of Curriculum and Program Development
4. Curriculum Committee Chair
5. Senate Chair
6. Vice President of Academic Affairs
7. President's Leadership Team Chair
8. President
9. Board of Trustees Chair
10. AH Academic Administrator
11. Colleague

#### Approval Path

1. 07/28/23 9:21 am  
Kathryn Kingsbury

9/21/23, 1:23 PM

HIST 240: Travel Seminar: Studies in History

For display in the  
online catalog

This travel seminar affords students the opportunity to immerse themselves in the history and culture of a select travel destination. While studying the political, economic, and social events of a region's history, students will participate in guided history tours and educational activities focused on diverse topics including socio-cultural, political, and historical events of the area. Through travel and experiential learning opportunities, the course allows students to interpret the role of key event(s) in history and society.

#### 4. Requisites

Prerequisites None

Corequisites None

#### 5. Course Type

Course Fee Code

Course Type for non-vocational (not approved for Perkins  
Perkins Reporting funding)

#### 6. Justification

Describe the need  
for this course

The need for students to develop an awareness of diverse life experiences of different societal groups is critical to their understanding of global history. This course will enable students to experience the rich cultural excellence of the destination(s) visited and gain a better understanding of the people who contributed to this culture. The course will also highlight the political, economic and social events that led to the modern-day development of the destination(s) visited. An immersion into another culture can heighten students' cultural sensitivities and open their minds to the complexity of the world, thereby enabling them to develop into global citizens.

(kkingsbury):  
Approved for AH  
Academic  
Administrator  
2. 07/31/23 9:25 am  
Heather Sciarappa  
(hscarappa):  
Approved for AH  
Dean  
3. 08/18/23 2:14 pm  
Susan O'Connor  
(soconnor):  
Approved for  
Executive Director  
of Curriculum and  
Program  
Development  
4. 09/14/23 4:23 pm  
Heather Sciarappa  
(hscarappa):  
Approved for  
Curriculum  
Committee Chair

9/21/23, 1:23 PM

HIST 240: Travel Seminar: Studies in History

## 7. General Education

Will the college submit this course to the statewide General Education Coordinating Committee for approval as a course, which satisfies a general education requirement?

No

If the course does not satisfy a general education requirement, which of the following does it satisfy:

Elective

## 8. Consistency with the Vision and Mission Statements, the Academic Master Plan, and the strategic initiatives of the College

Please describe how this course is consistent with Ocean County College's current Vision Statement, Mission Statement, Academic Master Plan, and the strategic initiatives of the College:

	Add Item
1	<p>This study abroad seminar is consistent with the following goal/objective in the Academic Master Plan for 2022-2025:</p> <p>Goal III: Deliver innovative curricular programs and assess current programs</p> <p>2021-2026 Goals:</p> <p>Strategic Goal 1: Empower students to learn, engage, and achieve</p> <p>Mission Statement: Ocean County College, an innovative academic leader, provides affordable, student-centered, high-quality educational experiences that empower diverse learners to succeed.</p>

9/21/23, 1:23 PM

HIST 240: Travel Seminar: Studies in History

Add item

## 9. Related Courses at Other Institutions

### Comparable Courses at NJ Community Colleges

#### Transferability of Course

Georgian Court University	Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
		Elective	
Kean University	Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
		Elective	
Monmouth University	Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
		Elective	
Rowan University	Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
		Elective	
Rutgers - New Brunswick, Mason Gross School of the Arts	Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
		Elective	

9/21/23, 1:23 PM

HIST 240: Travel Seminar: Studies in History

Stockton University

Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
	Elective	

If not transferable  
to any institution,  
explain:

## 10. Course Learning Outcomes

Learning Outcomes

	Students who successfully complete this course will be able to:
CLO1	Examine the political, social, and economic history of the area being visited.
CLO2	Write about and discuss the contributions of historical person(s) and event(s) that made an impact on the development of the area being visited.
CLO3	Compare the modern society and culture in the area being visited with past historical events and circumstances.
CLO4	Analyze the influence and impact of the area being visited upon the world both historically and in the modern era.
CLO5	Evaluate the status of historic preservation and remembrance efforts in the area visited.

## 11. Topical Outline

(include as many themes/skills as needed)



9/21/23, 1:23 PM

HIST 240: Travel Seminar: Studies in History

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
TO1	Develop a general understanding of the history of the select destination.	Reading Lecture Immersion Class discussion	Writing assignment, project	1, 2, 3, 4
TO2	Engage in cultural appreciation of the region(s) visited, inclusive of historical events, key players, and social movements	Reading Lecture Class discussion	Writing assignment, project	CLO: 3, 5
TO3	Identify landmarks and historical sites specific to course content and the select destination.	Reading Lecture Immersion Class discussion	Writing assignment, project	3, 4, 5
TO4	Analyze the historical and contemporary impact of the select destination on the world	Reading Lecture Class discussion	Writing assignment, project	1, 2, 5
TO5	Examine the current political and socio-economic development of the area, and make relevant comparisons to the past	Reading Lecture Immersion Class discussion	Writing assignment, project	1, 2, 3

## 12. Methods of Instruction

- In the structuring of this course, what major methods of
- o Lectures
  - o Guided tours through related historical sites
  - o Group discussions of course materials

9/21/23, 1:23 PM

HIST 240: Travel Seminar: Studies in History

- instruction will be utilized?
- o Response papers on experiential learning opportunities

o Collaborative group projects

13. General Education Goals Addressed by this Course (this section is to fulfill state requirements)

Information

Communication-Written and Oral

Quantitative Knowledge and Skills

Scientific Knowledge and Reasoning

Technological Competency

Information Literacy

Society and Human Behavior

Humanistic Perspective

Yes

Related Course Learning Outcome

1-5

Related Outline Component

1-5



9/21/23, 1:23 PM

HIST 240: Travel Seminar: Studies in History

Assessment of General Education Goal (Recommended but not limited to)  
Graded oral/written presentation, Reflective journals

---

Historical Perspective Yes

Related Course 1-5  
Learning Outcome

Related Outline 1-5  
Component

Assessment of General Education Goal (Recommended but not limited to)  
Graded oral/written presentation, Reflective journals

---

Global and Cultural Awareness Yes

Related Course 1-5  
Learning Outcome

Related Outline 1-5  
Component

Assessment of General Education Goal (Recommended but not limited to)  
Graded oral/written presentation, Reflective journals

---

Ethical Reasoning and Action

---

Independent/Critical Thinking

## 14. Needs

---

9/21/23, 1:23 PM

HIST 240: Travel Seminar: Studies in History

Instructional Materials (text etc.): An appropriate textbook will be selected. Please contact the department for current adoptions.

Technology Needs: N/A

Human Resource Needs (Presently Employed vs. New Faculty): Presently Employed

Facility Needs: N/A

Library needs: N/A

## 15. Grade Determinants

---

The final grade in the course will be the cumulative grade based on the following letter grades or their numerical equivalents for the course assignments and examinations

A: Excellent

B+: Very Good

B: Good

C+: Above Average

C: Average

D: Below Average

F: Failure

I: Incomplete

R: Audit

9/21/23, 1:23 PM

HIST 240: Travel Seminar: Studies in History

For more detailed information on the Ocean County College grading system, please see Policy #5154.

Reviewer

Comments

Key: 2287

[Preview Bridge](#)

## ***EXHIBIT B-3***

9/21/23, 1:22 PM

MDLT 112: Introduction to Medical Laboratory Technology Profession

## Course Change Request

### New Course Proposal

Date Submitted: 08/14/23 1:52 pm

Viewing: **MDLT 112 : Introduction to Medical Laboratory Technology Profession**

Last edit: 09/14/23 4:27 pm

Changes proposed by: Susan O'Connor (soconnor)

Programs  
referencing this  
course

[AAS.HS.MDLT: Health Science - Option in Medical Laboratory  
Technology \(w/ Mercer CC\)](#)

Learning Outcomes  
Display (show only)

#### 1. Course Information

Subject	MDLT - Medical Laboratory Technology
Course Number	112
School	Science, Technology, Engineering, Mathematics
Course Title	Introduction to Medical Laboratory Technology Profession

#### In Workflow

1. STEM Academic Administrator
2. STEM Dean
3. Executive Director of Curriculum and Program Development
4. Curriculum Committee Chair
5. Senate Chair
6. Vice President of Academic Affairs
7. President's Leadership Team Chair
8. President
9. Board of Trustees Chair
10. STEM Academic Administrator
11. Colleague

#### Approval Path

1. 08/15/23 10:05 am  
Cynthia Fallon

<https://catwork.ocean.edu/courseleaf/approve/?role=admin>

1/12

9/21/23, 1:22 PM

MDLT 112: Introduction to Medical Laboratory Technology Profession

## 2. Hours

Semester Hours	3
Lecture	2
Lab	3
Practicum	0

## 3. Catalog Description

For display in the online catalog	The course is designed to introduce the students to the basic principles, techniques and vocabulary of Medical Laboratory Technology. Professional societies and major regulatory agencies are discussed. Topics include: basic laboratory safety practices following OSHA Standards, specimen collection and preservation, urinalysis and clinical microscopy, phlebotomy, introduction to serology, and laboratory information systems. The laboratory component supports the hands-on skills introduced in the lectures.
-----------------------------------	---

## 4. Requisites

Prerequisites	BIOL-162 or BIOL-131 and Permission of Program Coordinator
Corequisites	

## 5. Course Type

Course Fee Code	5
Course Type for Perkins Reporting	vocational (approved for Perkins funding)

(cfallon): Approved for STEM Academic Administrator

2. 08/15/23 10:06 am  
Sylvia Riviello

(sriviello): Approved for STEM Dean

3. 08/18/23 2:12 pm  
Susan O'Connor

(soconnor): Approved for Executive Director of Curriculum and Program Development

4. 09/14/23 4:24 pm  
Heather Sciarappa

(hscarappa): Approved for Curriculum Committee Chair

9/21/23, 1:22 PM

MDLT 112: Introduction to Medical Laboratory Technology Profession

## 6. Justification

Describe the need for this course      This course is one of the six courses required by the AAS in Health Science – Medical Laboratory Technology option.

## 7. General Education

Will the college submit this course to the statewide General Education Coordinating Committee for approval as a course, which satisfies a general education requirement?

No

If the course does not satisfy a general education requirement, which of the following does it satisfy:

Program-specific requirement

## 8. Consistency with the Vision and Mission Statements, the Academic Master Plan, and the strategic initiatives of the College

Please describe how this course is consistent with Ocean County College's current Vision Statement, Mission Statement, Academic Master Plan, and the strategic initiatives of the College:

	Add item
1	Providing student-centered, high quality educational experiences that prepare and empower diverse learners to succeed (Mission Statement)
2	Cultivating a technologically progressive spirit (Mission Statement)
3	Preparing students for successful entrance into the workforce. (Academic Master Plan)
4	Deliver innovative curricular programs. (Academic Master Plan)

9/21/23, 1:22 PM

MDLT 112: Introduction to Medical Laboratory Technology Profession

Add Item

5	Develop new and expand current partnerships (Academic Master Plan)
---	--

## 9. Related Courses at Other Institutions

### Comparable Courses at NJ Community Colleges

Institution	Mercer County CC
Course Title	Introduction to Medical Laboratory Technology
Course Number	MLT
Number of Credits	3
Comments	As part of AAS Health Science to AAS MLT Partnership

### Transferability of Course

Georgian Court  
University

Course Code, Title, and Credits

Transfer Category

If non-transferable; select status

Unable to determine status

Kean University

Course Code, Title, and Credits

Transfer Category

If non-transferable; select status

Unable to determine status

Monmouth  
University



9/21/23, 1:22 PM

MDLT 112: Introduction to Medical Laboratory Technology Profession

Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
		Unable to determine status

Rowan University

Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
		Unable to determine status

Rutgers - New  
Brunswick, Mason  
Gross School of the  
Arts

Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
		Unable to determine status

Stockton University

Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
		Unable to determine status

If not transferable  
to any institution,  
explain:

This is for an AAS partnership with Mercer CC. Transfer possibilities to four-year schools will vary.

## 10. Course Learning Outcomes

Learning Outcomes

	Students who successfully complete this course will be able to:
CLO1	Identify the role of a medical laboratory professional in providing laboratory data that is used in the assessment of health and diseases.
CLO2	Develop an awareness of medical ethics and its application to the practice of health care.
CLO3	Demonstrate knowledge of the major laboratory disciplines and basic laboratory techniques including specimen collection and preservation, laboratory safety,

9/21/23, 1:22 PM

MDLT 112: Introduction to Medical Laboratory Technology Profession

Students who successfully complete this course will be able to:	
	microscopy and the function of laboratory information systems.
CLO4	Explain the value of using quality assurance programs in providing accurate and precise laboratory data.
CLO5	Apply knowledge of phlebotomy and renal physiology to the collection and evaluation of body fluid samples.
CLO6	Demonstrate competent laboratory skills in the preparation and analysis of clinical laboratory samples.
CLO7	Demonstrate knowledge of the Immune System and how it applies to specimen analysis is Immunology and Serology.
CLO8	Describe the basic function of each of the major disciplines of Clinical Laboratory Science: hematology/coagulation, immunohematology, chemistry and microbiology.

## 11. Topical Outline

(include as many themes/skills as needed)

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
TO1	Intro to MLT Profession: 1. Fundamentals of the Clinical Lab 2. Medical Ethics 3. Safety: Patient & Lab Safety	Reading Laboratory ethics session	Homework Quiz Laboratory reports Exam	CLO1, CLO2, CLO3, CLO8
TO2	Phlebotomy: Specimen Collection, Handling & Processing Laboratory techniques: 1. Handwashing/IP	Reading Laboratory exercises Homework	Homework Quiz Laboratory reports Exam	CLO3, CLO5, CLO6

<https://catwork.ocean.edu/courseleaf/approve/?role=admin>

6/12

9/21/23, 1:22 PM

MDLT 112: Introduction to Medical Laboratory Technology Profession

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
	2. Capillary Puncture 3. Microcollection 4. Venipuncture			
TO3	Understanding the Quality Practices and Equipment/Technology used in Clinical Laboratory Setting. Microscope. Quality Assessment/Quality Control Measurement and equipment Lab math and solution prep Laboratory techniques: 1. Interpersonal Skills 2. Phlebotomy -Straight needle -Winged set	Reading Laboratory exercises Homework	Homework Quiz Laboratory reports Exam	CLO2, CLO3, CLO4
TO4	Basic and Contemporary Techniques • Laboratory Information Systems • Molecular Basics Laboratory techniques: 1.Specimen Processing 2. Centrifuge Intro	Reading Laboratory exercises Homework	Homework Quiz Laboratory reports Exam Phlebotomy Competency	CLO3, CLO4, CLO6
TO5	The Urinary System 1. Renal Physiology 2. Macroscopic Urinalysis -Physical & Chemical Analysis of Urine -Confirmatory Tests 3. Microscopic Properties of Urine 4. Clinical Pathologies/Case Studies Laboratory techniques: 1.	Reading Laboratory exercises Homework	Homework Quiz Laboratory reports Written and Practical Exam Urinalysis Competency	CLO3, CLO4 CLO5, CLO6

9/21/23, 1:22 PM

MDLT 112: Introduction to Medical Laboratory Technology Profession

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
	Urine Specimens 2. Quality Control 3. Macroscopic Exam -Manual - Automated 4. Confirmatory Tests 1. Microscope Training 2. Complete UA - Automated w/ the addition of the Microscopic Analysis			
TO6	The Immune System& Immune Response Principles of Immunological & Serological Methods Reading. Laboratory exercises Homework Quiz CLO1, CLO3, CLO7  Laboratory techniques: Assays for Diseases 1. ANA Testing 2. Precipitation 3. Flocculation 4. Agglutination	Reading Laboratory exercises Homework	Homework Quiz Laboratory reports Written and Practical Exam	CLO1, CLO3, CLO7
TO7	• CLS Testing by Department 1.Hematology/Hemostasis 2. Immunohematology 3. Clinical Microbiology 4. Clinical Chemistry 5. POCT and Automation Laboratory techniques: 1. Slide-Making 2. Intro to Blood Typing (Slide method) 3. Plate Streaking	Reading Laboratory exercises Homework	Homework Quiz Laboratory reports Written and Practical Exam	CLO3, CLO4, CLO6 CLO8

9/21/23, 1:22 PM

MDLT 112: Introduction to Medical Laboratory Technology Profession

## 12. Methods of Instruction

---

In the structuring of this course, what major methods of instruction will be utilized?

- a. Lecture/Discussion
- b. Laboratory
- c. Demonstrations
- d. Case studies

## 13. General Education Goals Addressed by this Course (this section is to fulfill state requirements)

---

### Information

Communication-Written and Oral

---

Quantitative Knowledge and Skills

---

Scientific Knowledge and Reasoning Yes

Related Course CLO 1,2,3,4,5,6,7,8  
Learning Outcome

Related Outline TO1, TO2, TO3, TO4, TO5, TO6,  
Component TO7

9/21/23, 1:22 PM

MDLT 112: Introduction to Medical Laboratory Technology Profession

**Assessment of General Education Goal (Recommended but not limited to)**

Homework

Quiz

Laboratory reports

Written and Practical Exam

---

Technological Competency

---

Information Literacy

---

Society and Human Behavior

---

Humanistic Perspective

---

Historical Perspective

---

Global and Cultural Awareness

---

Ethical Reasoning and Action

---

Independent/Critical Thinking

---

**14. Needs**

---



9/21/23, 1:22 PM

MDLT 112: Introduction to Medical Laboratory Technology Profession

Instructional Materials (text etc.):	PowerPoint presentations, Laboratory manual, Textbook: (contact the department for current adoption)
Technology Needs:	Technology needs Desktop computer/overhead projector, college course management system
Human Resource Needs (Presently Employed vs. New Faculty):	Presently Employed plus some adjunct needs
Facility Needs:	Laboratory setting and appropriate laboratory materials and demonstration tools
Library needs:	Copies of the books, student access to the computer and printer, an ethics session

## 15. Grade Determinants

---

The final grade in the course will be the cumulative grade based on the following letter grades or their numerical equivalents for the course assignments and examinations

A: Excellent

B+: Very Good

B: Good

C+: Above Average

C: Average

D: Below Average

F: Failure

I: Incomplete

R: Audit

9/21/23, 1:22 PM

MDLT 112: Introduction to Medical Laboratory Technology Profession

For more detailed information on the Ocean County College grading system, please see Policy #5154.

Reviewer  
Comments

Key: 2288

[Preview Bridge](#)



## ***EXHIBIT B-4***

9/21/23, 1:23 PM

MDLT 200: Clinical Chemistry

## Course Change Request

### New Course Proposal

Date Submitted: 08/14/23 1:52 pm

Viewing: **MDLT 200 : Clinical Chemistry**

Last edit: 08/14/23 1:52 pm

Changes proposed by: Susan O'Connor (soconnor)

Learning Outcomes

Display (show only)

#### 1. Course Information

Subject	MDLT - Medical Laboratory Technology
Course Number	200
School	Science, Technology, Engineering, Mathematics
Course Title	Clinical Chemistry

#### 2. Hours

Semester Hours	4
Lecture	3
Lab	2
Practicum	0

#### In Workflow

1. STEM Academic Administrator
2. STEM Dean
3. Executive Director of Curriculum and Program Development
4. Curriculum Committee Chair
5. Senate Chair
6. Vice President of Academic Affairs
7. President's Leadership Team Chair
8. President
9. Board of Trustees Chair
10. STEM Academic Administrator
11. Colleague

#### Approval Path

1. 08/15/23 10:05 am  
Cynthia Fallon

9/21/23, 1:23 PM

MDLT 200: Clinical Chemistry

### 3. Catalog Description

For display in the  
online catalog

Clinical chemistry principles and its application through analysis of clinical specimens. This class is an in-depth study of the chemistry related to the physiological and pathophysiological processes in the human body. Emphasis is placed on methodologies that monitor body electrolyte, acid and base balance; renal, hepatic, cardiac functions; carbohydrate, heme, protein, enzyme, and lipid metabolism. Brief sections on measurements of endocrine functions, molecular diagnostics, therapeutic drug monitoring, toxicology, tumor markers, vitamins, mineral metabolism, as well as geriatric and pediatric testing. This class is a comprehensive study of specimen processing, analysis, test interpretation and quality control procedures used in routine manual and automated clinical chemistry testing. Students will present a group presentation of an assigned chemistry analyzer that focuses on the instrument's principles of operation, components, maintenance, and means of quality control.

### 4. Requisites

Prerequisites	Introduction to Medical Laboratory Technology Profession OR Permission of Program Coordinator
Corequisites	None

### 5. Course Type

Course Fee Code	5
Course Type for Perkins Reporting	vocational (approved for Perkins funding)

### 6. Justification

(cfallon): Approved  
for STEM Academic  
Administrator

2. 08/15/23 10:06 am  
Sylvia Riviello

(sriviello): Approved  
for STEM Dean

3. 08/18/23 2:12 pm  
Susan O'Connor  
(soconnor):  
Approved for  
Executive Director  
of Curriculum and  
Program

Development  
4. 09/14/23 4:24 pm  
Heather Sciarappa  
(hscarappa):  
Approved for  
Curriculum  
Committee Chair

9/21/23, 1:23 PM

MDLT 200: Clinical Chemistry

Describe the need for this course      This course is one of the sequence of six courses required by the AAS in Health Science – Medical Laboratory Technology option.

## 7. General Education

Will the college submit this course to the statewide General Education Coordinating Committee for approval as a course, which satisfies a general education requirement?

No

If the course does not satisfy a general education requirement, which of the following does it satisfy:

Program-specific requirement

## 8. Consistency with the Vision and Mission Statements, the Academic Master Plan, and the strategic initiatives of the College

Please describe how this course is consistent with Ocean County College's current Vision Statement, Mission Statement, Academic Master Plan, and the strategic initiatives of the College:

	Add item
1	Providing student-centered, high quality educational experiences that prepare and empower diverse learners to succeed (Mission Statement)
2	Cultivating a technologically progressive spirit (Mission Statement)
3	Preparing students for successful entrance into the workforce. (Academic Master Plan)
4	Deliver innovative curricular programs. (Academic Master Plan)
5	Develop new and expand current partnerships (Academic Master Plan)

9/21/23, 1:23 PM

MDLT 200: Clinical Chemistry

## 9. Related Courses at Other Institutions

### Comparable Courses at NJ Community Colleges

Institution Mercer County CC  
Course Title Clinical Chemistry  
Course Number MLT200  
Number of Credits 4  
Comments

### Transferability of Course

Georgian Court University	Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
			Unable to determine status
Kean University	Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
			Unable to determine status
Monmouth University	Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
			Unable to determine status
Rowan University	Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
			Unable to determine status

9/21/23, 1:23 PM

MDLT 200: Clinical Chemistry

Course Code, Title, and Credits	Transfer Category	If non-transferable; select status
Rutgers - New Brunswick, Mason Gross School of the Arts		Unable to determine status
Stockton University		Unable to determine status

If not transferable to any institution, explain:

This course is a unique component of MLT program that only exists at Mercer CC. The class should transfer without issues to Mercer CC MLT program

## 10. Course Learning Outcomes

### Learning Outcomes

	Students who successfully complete this course will be able to:
CLO1	Identify key elements of laboratory safety and universal precautions.
CLO2	Demonstrate knowledge of the function and physiology of the body systems including renal, liver, cardiovascular, respiratory, digestive, endocrine, and reproductive.
CLO3	Correlate clinical chemistry laboratory results to conditions of health or disease in the human body.
CLO4	Apply knowledge of general and physiological chemistry to manual and automated laboratory testing.
CLO5	Apply knowledge of mathematics in the performance and analysis of statistical measurements used for quality assessment in the clinical laboratory.



9/21/23, 1:23 PM

MDLT 200: Clinical Chemistry

Students who successfully complete this course will be able to:	
CLO6	Discuss topics in relation to tumor markers, therapeutic drug monitoring and toxicology
CLO7	Recognize differences in reference ranges for diverse populations.
CLO8	Demonstrate critical thinking skills in the evaluation of patient case studies relating data to a medical diagnosis and clinical conditions that occur as a result of disease processes.
CLO9	Perform basic laboratory techniques used in clinical chemistry.
CLO10	Access information on a chemistry analyzer and prepare a classroom presentation.

## 11. Topical Outline

(include as many themes/skills as needed)

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
TO1	Basic Laboratory Safety, Laboratory Instrumentation and Test Methodologies and Informatics	Reading, discussion, laboratory exercises, homework	Laboratory report, exam, quiz, homework	CLO 1,4,9,10
TO2	Laboratory Mathematics, Statistics, Method development and Quality Control	Reading, discussion, laboratory exercises, homework	Laboratory report, exam, quiz, homework	CLO 4,5,9
TO3	Carbohydrates, Lipids, Lipoproteins, Amino Acids, Proteins, and Enzymes	Reading, discussion, laboratory exercises, homework	Laboratory report, exam, quiz, homework	CLO 2,3, 4, 6, 7, 8, 9
TO4	Non-Protein Nitrogen, Renal Functions and Electrolyte Homeostasis	Reading, discussion, laboratory exercises, homework	Laboratory report, exam, quiz, homework	CLO 2, 3, 4, 5,6, 7, 8, 9



9/21/23, 1:23 PM

MDLT 200: Clinical Chemistry

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
TO5	Blood Gases and Acid-Base Balance, Mineral and Bone Metabolism and Body Systems' Functions (Endocrine System, Pancreas; Gastrointestinal, Cardiac)	Reading, discussion, laboratory exercises, homework	Laboratory report, exam, quiz, homework	CLO 2, 3, 4, 5, 6, 7, 8, 9, 10
TO6	Liver Function, Porphyrins and Hemoglobin, and Therapeutic Drug Monitoring and Toxic Substances	Reading, discussion, laboratory exercises, homework	Laboratory report, exam, quiz, homework	CLO 2, 3, 4, 6, 7, 8, 9
TO7	Nutrition, Vitamins, Tumor Markers, Geriatric and Pediatrics	Reading, discussion, laboratory exercises, homework	Laboratory report, exam, quiz, homework	CLO 3, 4, 6, 7, 8, 9, 10

## 12. Methods of Instruction

In the structuring of this course, what major methods of instruction will be utilized?

- a. Lecture/Discussion
- b. Laboratory
- c. Demonstrations
- d. Case studies

## 13. General Education Goals Addressed by this Course (this section is to fulfill state requirements)

Information

Communication-Written and Oral

9/21/23, 1:23 PM

MDLT 200: Clinical Chemistry

---

Quantitative Knowledge and Skills

---

Scientific Knowledge and Reasoning Yes

Related Course CLO 2,3,4,5,6,8,9

Learning Outcome

Related Outline TO1,2,3,4,5,6,7

Component

Assessment of General Education Goal (Recommended but not limited to)

Exam, quiz, laboratory reports

---

Technological Competency

---

Information Literacy

---

Society and Human Behavior

---

Humanistic Perspective

---

Historical Perspective

---

Global and Cultural Awareness

---

Ethical Reasoning and Action

---

9/21/23, 1:23 PM

MDLT 200: Clinical Chemistry

Independent/Critical Thinking

## 14. Needs

---

Instructional Materials (text etc.):	PowerPoint presentations, Laboratory manual, Textbook: (contact the department for current adoption)
Technology Needs:	Desktop computer/overhead projector, college course management system
Human Resource Needs (Presently Employed vs. New Faculty):	Faculty and adjuncts
Facility Needs:	Laboratory setting and appropriate laboratory materials and demonstration tools
Library needs:	Copies of the books, student access to the computer and printer

## 15. Grade Determinants

---

The final grade in the course will be the cumulative grade based on the following letter grades or their numerical equivalents for the course assignments and examinations

A: Excellent

B+: Very Good

B: Good

C+: Above Average

C: Average

D: Below Average

9/21/23, 1:23 PM

MDLT 200: Clinical Chemistry

F: Failure

I: Incomplete

R: Audit

For more detailed information on the Ocean County College grading system, please see Policy #5154.

Reviewer

Comments

Key: 2286

[Preview Bridges](#)

***EXHIBIT B-5***

9/21/23, 1:24 PM

MDLT 212: Clinical Hematology

## Course Change Request

### New Course Proposal

Date Submitted: 08/14/23 1:53 pm

Viewing: **MDLT 212 : Clinical Hematology**

Last edit: 08/14/23 1:53 pm

Changes proposed by: Susan O'Connor (soconnor)

Learning Outcomes

Display (show only)

#### 1. Course Information

Subject	MDLT - Medical Laboratory Technology
Course Number	212
School	Science, Technology, Engineering, Mathematics
Course Title	Clinical Hematology

#### 2. Hours

Semester Hours	4
Lecture	3
Lab	3
Practicum	0

#### In Workflow

1. STEM Academic Administrator
2. STEM Dean
3. Executive Director of Curriculum and Program Development
4. Curriculum Committee Chair
5. Senate Chair
6. Vice President of Academic Affairs
7. President's Leadership Team Chair
8. President
9. Board of Trustees Chair
10. STEM Academic Administrator
11. Colleague

#### Approval Path

1. 08/15/23 10:05 am  
Cynthia Fallon

9/21/23, 1:24 PM

MDLT 212: Clinical Hematology

### 3. Catalog Description

For display in the online catalog      This class examines hematology and blood coagulation, including blood cell maturation, physiology, and morphology; hemostasis theory and procedures. Laboratory component develops skills used in the performance of hematology and coagulation lab analysis.

### 4. Requisites

Prerequisites      Permission of the Program Coordinator  
Corequisites      None

### 5. Course Type

Course Fee Code      5  
Course Type for Perkins Reporting      vocational (approved for Perkins funding)

### 6. Justification

Describe the need for this course      This course is one of the six courses required by the AAS in Health Science – Medical Laboratory Technology option.

### 7. General Education

Will the college submit this course to the statewide General Education Coordinating Committee for approval as a course, which satisfies a general education requirement?

No

(cfallon): Approved for STEM Academic Administrator  
2. 08/15/23 10:06 am Sylvia Riviello (sriviello): Approved for STEM Dean  
3. 08/18/23 2:12 pm Susan O'Connor (soconnor): Approved for Executive Director of Curriculum and Program Development  
4. 09/14/23 4:24 pm Heather Sciarappa (hscarappa): Approved for Curriculum Committee Chair



9/21/23, 1:24 PM

MDLT 212: Clinical Hematology

If the course does not satisfy a general education requirement, which of the following does it satisfy:

Program-specific requirement

## 8. Consistency with the Vision and Mission Statements, the Academic Master Plan, and the strategic initiatives of the College

Please describe how this course is consistent with Ocean County College's current Vision Statement, Mission Statement, Academic Master Plan, and the strategic initiatives of the College:

	Add item
1	Providing student-centered, high quality educational experiences that prepare and empower diverse learners to succeed (Mission Statement)
2	Cultivating a technologically progressive spirit (Mission Statement)
3	Preparing students for successful entrance into the workforce. (Academic Master Plan)
4	Deliver innovative curricular programs. (Academic Master Plan)
5	Develop new and expand current partnerships (Academic Master Plan)

## 9. Related Courses at Other Institutions

### Comparable Courses at NJ Community Colleges

Institution	Mercer County CC
Course Title	Clinical Hematology

9/21/23, 1:24 PM

MDLT 212: Clinical Hematology

Course Number MLT 212

Number of Credits 4

Comments Part of the AAS Health Science to AAS MLT partnership with Mercer CC.

### Transferability of Course

Georgian Court University	Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
			Unable to determine status
Kean University	Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
			Unable to determine status
Monmouth University	Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
			Unable to determine status
Rowan University	Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
			Unable to determine status
Rutgers - New Brunswick, Mason Gross School of the Arts	Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
			Unable to determine status
Stockton University	Course Code, Title, and Credits	Transfer Catagory	If non-transferable; select status
			Unable to determine status

9/21/23, 1:24 PM

MDLT 212: Clinical Hematology

If not transferable to any institution, explain: This is for an AAS program.

## 10. Course Learning Outcomes

Learning Outcomes

	Students who successfully complete this course will be able to:
CLO1	Apply principles of OSHA safety regulations for blood-borne pathogens, quality assurance and quality control in Hematology.
CLO2	Evaluate specimen acceptability of hematology specimens and dispose of them in the appropriate biohazard containers.
CLO3	Demonstrate an understanding of the components of human blood and characteristics, functions, and abnormalities and disease states of each.
CLO4	Compare and contrast hematology values under normal and abnormal conditions.
CLO5	Demonstrate proficiency in the skills necessary to perform blood cell counts, and evaluation of blood elements within stated limits of accuracy and assess the clinical significance of the results.

## 11. Topical Outline

(include as many themes/skills as needed)

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
TO1	Basic Hematology Practices: Laboratory Safety Hematopoiesis Bone Marrow Analysis Complete	Reading, discussion, laboratory exercises, homework	Laboratory report, exam, quiz, homework, case studies	CLO1,2, 3,4,5

9/21/23, 1:24 PM

MDLT 212: Clinical Hematology

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
	Blood Count Erythropoiesis and Red Blood Cells Red Blood Cell Pathology Hemoglobin Preparation of Blood Smears RBC morphology			
TO2	Red Cell Disorders: Automated RBC count RBC indices Manual Cell counts	Reading, discussion, laboratory exercises, homework	Laboratory report, exam, quiz, homework, case studies	CLO1,2, 3,4,5
TO3	White Cell Disorders: Leukopoiesis And Cell Lines Lymphatic System And Lymphocyte Production Disorder Effects On CBC And Peripheral Smear Leukocytosis, Left Shift, Leukemoid Reaction, Leukoerythroblastic Reaction. CD markers in B- and T- cell Disorders Morphology of Different WBCs WBC Automation Flow Cytometry	Reading, discussion, laboratory exercises, homework	Laboratory report, exam, quiz, homework, case studies	CLO1,2, 3,4,5
TO4	Hemostasis and Disorders of Coagulation: Hemostasis Vascular System And Platelets	Reading, discussion, laboratory exercises, homework	Laboratory report, exam, quiz, homework, case studies	CLO1,2, 3,4,5

9/21/23, 1:24 PM

MDLT 212: Clinical Hematology

	Major Themes/ Skills	Assignments (Recommended but not limited to)	Assessments (Recommended but not limited to)	Course Learning Outcome(s)
	Interactions Coagulation Cascade and Clot Formation Types Of Bleeding in Platelet Disorders Laboratory Tests For Platelets Disorders Platelets Disorders Platelets Abnormalities due to Acquired Defects			

## 12. Methods of Instruction

- In the structuring of this course, what major methods of instruction will be utilized?
- a. Lecture/Discussion
  - b. Laboratory
  - c. Demonstrations
  - d. Case studies

## 13. General Education Goals Addressed by this Course (this section is to fulfill state requirements)

Information

Communication-Written and Oral

Quantitative Knowledge and Skills

<https://catwork.ocean.edu/courseleaf/approve/?role=admin>

7/10

9/21/23, 1:24 PM

MDLT 212: Clinical Hematology

---

Scientific Knowledge and Reasoning

Yes

Related Course CLO 2,3,4,5

Learning Outcome

Related Outline TO1,2,3,4

Component

Assessment of General Education Goal (Recommended but not limited to)

Laboratory report, exam, quiz, homework, case studies

---

Technological Competency

---

Information Literacy

---

Society and Human Behavior

---

Humanistic Perspective

---

Historical Perspective

---

Global and Cultural Awareness

---

Ethical Reasoning and Action

---

Independent/Critical Thinking<https://catwork.ocean.edu/courseleaf/approve/?role=admin>

8/10



9/21/23, 1:24 PM

MDLT 212: Clinical Hematology

## 14. Needs

---

Instructional Materials (text etc.):	PowerPoint presentations, Laboratory manual, Textbook: (contact the department for current adoption)
Technology Needs:	Desktop computer/overhead projector, college course management system
Human Resource Needs (Presently Employed vs. New Faculty):	Presently employed and some adjuncts
Facility Needs:	Laboratory setting and appropriate laboratory materials and demonstration tools
Library needs:	Copies of the books, student access to the computer and printer

## 15. Grade Determinants

---

The final grade in the course will be the cumulative grade based on the following letter grades or their numerical equivalents for the course assignments and examinations

A: Excellent

B+: Very Good

B: Good

C+: Above Average

C: Average

D: Below Average

F: Failure



9/21/23, 1:24 PM

MDLT 212: Clinical Hematology

I: Incomplete

R: Audit

For more detailed information on the Ocean County College grading system, please see Policy #5154.

Reviewer

Comments

Key: 2289

[Preview Bridges](#)