



Assessment Record

Program: Medical Laboratory Technology

Assessment period:

2019-2020

Program or Department Mission:

The mission of the Medical Laboratory Technology Program at Jefferson State Community College is to promote and maintain standards of quality for the services and the environment necessary for students to achieve their educational goals and to enhance the social, cognitive, and professional skills required for entry level employment as medical laboratory technicians (MLTs) in the healthcare community. This program mission is consistent with the college "Statement of Philosophy and Purpose" published in the *Jefferson State Community College Catalog and Student Handbook*.

Instructional Program Student Learning Outcomes & Assessment Plan

SLO Outcomes assessed

1. The student will demonstrate knowledge in laboratory safety, blood borne pathogens, hazardous communication, and other laboratory standards necessary to protect themselves and the patients they serve.
2. The student will demonstrate professional conduct and interpersonal communication skills with patients, laboratory personnel, other health care professionals, and with the public.
3. The student will perform analytical tests including quality control on biological specimens; including collecting and processing biological specimens for analysis.
4. The student will relate laboratory findings to common disease processes.
5. The student will recognize and act upon individual needs for continuing education as a function of growth and maintenance of professional competence

Intended Outcomes	Means of Assessment	Criteria for Success	Summary & Analysis of Assessment Evidence	Use of Results
SLO 1 The student will demonstrate knowledge in laboratory safety, blood borne pathogens, hazardous communication, and other laboratory standards necessary to protect themselves and the patients they serve.	Incidence reports	The MLT students will safely complete the laboratory component of the curriculum with <2 reportable cases.	No incidence reports were filed this school year.	Benchmark met. Continue teaching safety measures with no curriculum changes

<p>SLO 2 The student will demonstrate professional conduct and interpersonal communication skills with patients, laboratory personnel, other health care professionals, and with the public.</p>	<p>Clinical Evaluation of student</p>	<p>70% of clinical students will score "2" or better on a 3-point Likert scale on the Performance evaluation for each clinical rotation evaluation</p>	<p>F19 7/7 or 100 % Sp20 10/10 or 100% SU20 1/1 or 100% of clinical students scored "2" or better on a 3-point Likert scale on the Performance evaluation for each clinical rotation evaluation</p>	<p>Benchmark met continue to monitor all clinical surveys and evaluations for program improvements</p>
<p>SLO 3 The student will perform analytical tests including quality control on biological specimens; including collecting and processing biological specimens for analysis.</p>	<p>Final Laboratory performance evaluations for the following courses: MLT courses:111,121,131,141,142,151,181 and 191</p>	<p>70% of students will score an 75% on the laboratory component of selected course-work</p>	<p>92% of students scored \geq75% on the laboratory component of all MLT coursework, MLT 111,121,131,141,142,151, and 191 N=205, 188/205or 92% total average laboratory evaluation for the 2019-2020 assessment period for MLT coursework containing laboratory experiences</p>	<p>Benchmark Met Significant increase from 2018-19 assessment of 89%. Most significant change seen in MLT 141 and 142. <u>Instructor streamlined laboratory student labs and content.</u> MLT 141 syllabus Will continue this practice with hopes of seeing continual increases in student success.</p>
<p>SLO 4 The student will relate laboratory findings to common disease processes.</p>	<p>Clinical evaluation of student</p>	<p>70% of clinical students will score "3" or better on a 3-point Likert scale on the average Clinical Task evaluations for each clinical rotation: Hematology,</p>	<p>F19-79% Sp20-93 % Su20-100% Scored "3" or better on a 3- point Likert scale on the average Clinical Task evaluations for each clinical rotation: Hematology, Blood Bank, Chemistry and Microbiology</p>	<p>Benchmark met. Addition of MediaLab (LabCE) testing in both 4th and clinical semester has indicated with this cohort an increase in making correlations</p>

		Blood Bank, Chemistry and Microbiology		<p>between testing and disease processes.</p> <p><u>MediaLab Exam Simulator</u></p>
<p>SLO 5 The student will recognize and act upon individual needs for continuing education as a function of growth and maintenance of professional competence</p>	# of graduates taking ASCP BOC	70% of graduates will take the ASCP BOC.	<p>Fall 19 and Spring 20 cohort N=17 8/17=47% has taken the ASCP Board of Certification exam.</p>	<p>This benchmark is not met. We will continue to include the links to sign up on the test as part of their clinical assignments and even though we cannot require them to take this exam, many students will sign up for it prior to graduation. This statistic dropped during this period due to difficulty in testing for the spring cohort due to COVID. 5 of the 7 students from the fall cohort have tested and the last two have submitted the application to test within the next 3 months. The spring cohort are beginning to submit applications. We have</p>

				included an assignment in the seminar class for completing the application process. Application Assignment
Plan submission date: 9/1/2020			Submitted by: Candy Hill	

SLO 3

[MLT 141 Clinical Microbiology Spring 2020 Lecture/Lab Schedule](#)

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Note: This is a **TENTATIVE** schedule. All dates are subject to change and it is the **responsibility** of the **student** to stay informed of any changes. Any changes to the schedule will be reflected on the Blackboard calendar and/or **will** be communicated via announcements and/or email.

Week	Lecture Date	Lecture Chapter & Topic or Assignment	Lab Date	Lab Activity (ON campus)
1	1/10	Syllabus Overview 1 Taxonomy, Microbial Cell, Metabolism, and Genetics 3 Host and Microorganism Interactions	1/11	Ch 2 Safety in the Clinical Micro Lab LAB PRACTICAL 1: Microscope
2	1/17	MLK Day- NO lecture DUE AT NOON: Syllabus Agreement Syllabus and Blackboard Contents Quiz		NO Lab
3	1/24	EXAM 1 (Chapters 1-3)	1/25	4 Specimen Collection and Management 5 Microscopy, Staining, and Direct Examination of Specimens Lab 1 Quiz and Lab 1
4	1/31	KeyPRs start this week (see Blackboard) 6 Traditional Culture and Identification 7 Immunochemical and Molecular Methods	2//01	Lab 2 Quiz and Lab 2 SET UP LAB PRACTICAL 2
5	2/07	KeyPRs Week 2 8 Antimicrobial Agents and Susceptibility Testing	2/08	Lab 3 Quiz and Lab 3 LAB PRACTICAL 2 GRADED
6	2/14	EXAM 2 (Chapters 4-8)	2/15	9 Staphylococci and Other Catalase- Positive Gram-Positive Cocci Lab 4 Quiz and Lab 4
7	2/21	KeyPRs Week 3 10 <i>Streptococcus, Enterococcus, & Related Organisms</i> 11 <i>Neisseria</i>	2/22	Lab 5 Quiz and Lab 5
8	2/28	EXAM 3 (Chapters 9-11)	3/01	12 Enterobacteriaceae Lab 6 Quiz and Lab 6
9	3/07	KeyPRs Week 4 12 Enterobacteriaceae (cont'd) 13 Non-fermentative GNB and Similar Bacteria	3/08	Lab 7 Quiz and Lab 7
10	3/14	KeyPRs Week 5 14 <i>Vibrio, Aeromonas, Compy/obacter,</i> and Similar Organisms 15 <i>Hoemophilus, HACEK, Legionella, Bordetella,</i> and Other Fastidious	3/15	Lab 8 Quiz and Lab 8

		GNB		
11	3/21	EXAM 4 (Chapters 12-15)	3/22	NO Labs DUE AT NOON: GRAM STAIN QUIZ I (Blackboard)
	3/28	SPRING BREAK!!		
12	4/04	KeyPRs Week 6 (last one) 16 Gram-Positive Bacilli Anaerobes Mycobacterium	4/05	Lab 9 Quiz and Lab 9
13	4/11	EXAM 5 (Chapters 16, 18, & 19) Read Gram Stain in Training Library on medtraining.org to prepare for Competency Exam	4/12	LAB PRACTICAL 3
14	4/18	Optional review for Final Exam DUE AT NOON: Gram Stain Competency Exam on medtraining.org	4/19	LAB PRACTICAL 4 Procedure Binders and Make Up Labs DUE by 4/21at noon DUE AT NOON: GRAM STAIN QUIZ II (Blackboard)
15	4/25	Final exam	4/26	DUE AT NOON ON 5/5: FINAL GRAM STAIN QUIZ (Blackboard)
16	5/02	Make up week		

SLO 4

[MediaLab Exam Simulators](#)

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SLO 5

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ASCP BOC Information

When you get ready to submit your application for the certification exam you will need to select:

1. Route 1
2. Program code is 001015
3. Find your start date and graduation date

A weblink to ASCP with instructions is provided in this folder.

AMT Certification Information

The web link is provided in the folder

When you complete the application you will need Jefferson State Community College program code. That code is 128445 The zip code for the college is 35215

Choose Route 1

Application fees change Jan. 1 2022

MLT application fee \$200.00 re-testing fee \$125.00

After Graduation: Continuing Education

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