

## MLT Course Assessments 2023 - 2027

Objectives MEDT 1014-Medical Laboratory Skills	2023	2024	2025	2026	2027
<ol style="list-style-type: none"> <li>1. Perform calculations used in the clinical laboratory.</li> <li>2. Apply proper technique in collection of blood by venipunctures and capillary procedures.</li> <li>3. Describe how the basic processes of the body are evaluated in relation to the clinical laboratory departments of urinalysis, coagulation, hematology, microbiology, clinical chemistry and immunology.</li> <li>4. Safely use general laboratory equipment and perform basic lab assays for hematology, coagulation, microbiology, urinalysis, immunology, and clinical chemistry.</li> <li>5. Demonstrate professional conduct and interpersonal communication skills. Behave in a social manner by working well with others.</li> </ol>	Fa 23	Fa 24	Fa 25	Fa 26	Fa 27

Objectives MEDT 1104-Urinalysis and Immunology	2023	2024	2025	2026	2027
<ol style="list-style-type: none"> <li>1.. Perform with accuracy the analytical tests required in this course, using quality control procedures and safety techniques.</li> <li>2. Recognize limitations or sources of error for the analytical tests and take corrective action when possible.</li> <li>3. Relate/correlate information to disease or non-disease processes in relationship to the analysis of urine, other body fluids; and for immunology.</li> <li>4. Use problem solving skills to integrate laboratory data for patient results.</li> <li>5. Demonstrate professional conduct and interpersonal communication skills. Behave in a social manner by working well with others.</li> </ol>	Fa 23	Fa 24	Fa 25	Fa 26	Fa 27

Objectives MEDT 1124-Hematology and Coagulation	2023	2024	2025	2026	2027
<ol style="list-style-type: none"> <li>1. Perform with accuracy the analytical tests required in this course, using quality control procedures and safety techniques.</li> <li>2. Recognize limitations, sources of error, and interfering substances for the analytical tests and take corrective action when possible.</li> <li>3. Be able to relate/correlate information to disease or non-disease processes in hematology and coagulation.</li> <li>4. Describe normal and abnormal red cell, white cell, and platelet morphology.</li> <li>5. Apply technology by operating computers/instruments, maintaining equipment, and troubleshooting when necessary.</li> </ol>	Sp 23	Sp 24	Sp 25	Sp 26	Sp 27

Objectives MEDT 1224- Blood Bank	2023	2024	2025	2026	2027
<ol style="list-style-type: none"> <li>1. Perform with accuracy the analytical tests required in this course, using quality control procedures and safety techniques.</li> <li>2. Recognize limitations or sources of error for the analytical tests taking corrective action when indicated and using problem solving skills to integrate laboratory data for patient results.</li> <li>3. Describe blood group genetics, characteristics of the blood group systems, and the principles of immunology as they relate to immunohematology.</li> <li>4. Describe donor blood component collection, preparation, storage, and indications for use.</li> <li>5. Demonstrate professional conduct and Interpersonal communication skills. Behave in a social manner by working well with others.</li> </ol>	Sp 23	Sp 24	Sp 25	Sp 26	Sp 27

Objectives MEDT 2044-Clinical Microbiology	2023	2024	2025	2026	2027
<ol style="list-style-type: none"> <li>1. Perform with accuracy the analytical tests required in the course, using quality control procedures and safety techniques.</li> <li>2. Be able to differentiate normal flora from pathogens based on body source.</li> <li>3. Be able to relate, correlate information about, and identify various pathogens.</li> <li>4. Be able to relate, correlate information about, and identify various fungus, virus, mycobacteria, and parasitic pathogens.</li> <li>5. Research information on topics of clinical microbiology from other known reputable sources and interpret the information correctly.</li> </ol>	Fa 23	Fa 24	Fa 25	Fa 26	Fa 27

Objectives MEDT 2214-Clinical Chemistry	2023	2024	2025	2026	2027
<ol style="list-style-type: none"> <li>1. Perform with accuracy the analytical tests required in this course, using quality control procedures and safety techniques.</li> <li>2. Recognize limitations, sources of error, and interfering substances for the analytical tests and take corrective action when possible.</li> <li>3. Be able to relate/correlate information to disease or non-disease processes in reference to clinical chemistry.</li> <li>4. Apply technology by operating computers/instruments, maintaining equipment, and troubleshooting when necessary.</li> <li>5. Utilize basic skills in mathematics by calculating results, determining concentrations and dilutions of solutions, converting units of measure, and applying statistical computation and analysis for quality control programs.</li> </ol>	Fa 23	Fa 24	Fa 25	Fa 26	Fa 27

Objectives	MEDT 2316 & 2326 –Clinical Practicum I & II	2023	2024	2025	2026	2027
1.	Describe or demonstrate an understanding of the application of appropriate laboratory testing in all clinical areas of the laboratory. This includes knowledge of the relationship of test results with disease and non-disease states.	Sp 23				
2.	Perform appropriate laboratory testing in all clinical areas of the laboratory using proper safety techniques. This includes knowledge of the principle of the test, specimen type and integrity, reagent/equipment, quality control, procedure requirements, sources of error, data interpretation, and recording of results.		Sp 24			
3.	Perform routine maintenance on instruments and follow troubleshooting procedures for analyzer and/or reagent problems.			Sp 25		
4.	Utilize computers (with supervision) to display and communicate results or information.				Sp 26	
5.	Demonstrate professional conduct, interpersonal communication skills and the ability to work well with other team members.					Sp 27

Objectives	MEDT 2462- MLT Seminar	2023	2024	2025	2026	2027
1.	Review all MEDT courses for: Applicable knowledge of theory and principles related to: - anatomy, physiology, genetics, biological characteristics related to lab testing and lab operations. - appropriate samples, reagents, controls, instruments and procedures (including sources of error) for test results - proper calculation of quality control and other lab data - correct evaluation of lab data in reference to assessing proper specimen identification, validity and accuracy of results, recognizing abnormal results and related disease states.	Sp 23				Sp 27
2.	Research a procedure utilized in the clinical laboratory and teach other lab professionals that specific lab skill.		Sp 24			
3.	Be workforce prepared by reflecting on professional skills and experiences by compiling a resume and cover letter.			Sp 25		
4.	Log into Medialab/ASCP Exam review and complete test questions throughout the semester.				Sp 26	