

MEDICAL LABORATORY SCIENCE (MLS)

MLS 500: Intro to Medical Lab Science

Credits: 1

College: Jefferson College of Health Professions

Schedule Type: Lab, Lecture, Lecture/Lab, Lab/Lecture/Online, On-Line

MLS 512: Clinical Microbiology I

Study the biology of clinically significant bacteria. Emphasizes pathophysiology and diagnostic procedures and tests used for their detection and identification. Topics of learning include, but not limited to, epidemiology, signs and symptoms of disease, mechanisms of infection and treatment. Contemporary laboratory methodologies used to examine, process and analyze clinical specimens are also discussed.

Credits: 4

College: Jefferson College of Health Professions

Schedule Type: Lab, Lecture, Lecture/Lab, Lab/Lecture/Online, On-Line

MLS 513: Clinical Microbiology II

Continuation of Clinical Microbiology I. Study the biology of clinically significant bacteria such as, but not limited to, obligate anaerobes, partially acid fast bacilli and mycobacteria. Parasitology, mycology and virology will also be studied. Emphasizes pathophysiology and diagnostic procedures and tests used for their detection and identification. Topics of learning include, but not limited to, epidemiology, signs and symptoms of disease, mechanisms of infection and treatment. Contemporary laboratory methodologies used to examine, process and analyze clinical specimens are also discussed.

Credits: 3.5

College: Jefferson College of Health Professions

Schedule Type: Lab, Lecture, Lecture/Lab

MLS 523: Clinical Chemistry I

Study of the significance of chemical analytes indicative of human health and disease. Topics of learning include, but not limited to, analytical methodologies, operating principles, and utilization of biochemical laboratory instrumentation, equipment and analyzers for analyte determinations; clinical and research. Chemical analytes that will be discussed throughout the duration of this course include, but not limited to, carbohydrates, electrolytes, proteins, enzymes, non-protein nitrogen compounds, lipids and blood gases. Quality control and preventative maintenance methods are also discussed.

Credits: 3.5

College: Jefferson College of Health Professions

Schedule Type: Lab, Lecture, Lecture/Lab, Lab/Lecture/Online, On-Line

MLS 524: Clinical Chemistry II

Continuation of Clinical Chemistry I. Topics of learning include, but not limited to, analytical methodologies, operating principles, and utilization of biochemical laboratory instrumentation, equipment and analyzers for analyte determinations; clinical and research. Emphasis on the study of organ function, endocrinology, heme derivatives, nutrition assessment, toxicology, therapeutic drug monitoring, tumor markers, specialized care and special chemistry and problem solving in the clinical chemistry laboratory.

Credits: 3

College: Jefferson College of Health Professions

Schedule Type: Lab, Lecture, Lecture/Lab

MLS 541: Clinical Hematology I

Credits: 3

College: Jefferson College of Health Professions

Schedule Type: Lab, Lecture, Lecture/Lab, Lab/Lecture/Online, On-Line

MLS 543: Clinical Hematology II

Credits: 3

College: Jefferson College of Health Professions

Schedule Type: Lab, Lecture, Lecture/Lab

MLS 551: Immunohematology I

Credits: 3

College: Jefferson College of Health Professions

Schedule Type: Lab, Lecture, Lecture/Lab

MLS 552: Immunohematology II

Credits: 3

College: Jefferson College of Health Professions

Schedule Type: Lab, Lecture, Lecture/Lab

MLS 575: Medical Laboratory Science Sem

Credits: 2

College: Jefferson College of Health Professions

Schedule Type: Lecture, Lecture/On-Line

MLS 576: Urinalysis and Body Fluids

Credits: 3

College: Jefferson College of Health Professions

Schedule Type: Lab, Lecture, Lecture/Lab

MLS 812: Med Lab Sci Practicum I

Credits: 3

College: Jefferson College of Health Professions

Schedule Type: Clinical, Lecture, Practicum, Reseach

MLS 813: Med Lab Sci Practicum II

Credits: 3

College: Jefferson College of Health Professions

Schedule Type: Clinical, Lecture, Practicum, Reseach

MLS 814: Med Lab Sci Practicum III

Credits: 3

College: Jefferson College of Health Professions

Schedule Type: Clinical, Lecture, Practicum, Reseach

MLS 815: Med Lab Sci Practicum IV

Credits: 3

College: Jefferson College of Health Professions

Schedule Type: Clinical, Lecture, Practicum, Reseach

MLS 816: Comprehensive Exam

Credits: 0

College: Jefferson College of Health Professions

Schedule Type: Clinical, Exam, On-Line

MLS 817: Clinical Hematology Seminar

Credits: 3

College: Jefferson College of Health Professions

Schedule Type: On-Line

MLS 818: Clinical Chemistry Seminar

Credits: 3

College: Jefferson College of Health Professions

Schedule Type: On-Line

MLS 819: Clinical Microbiology Seminar

Credits: 3

College: Jefferson College of Health Professions

Schedule Type: On-Line

2 Medical Laboratory Science (MLS)



MLS 820: Immunohematology Seminar

Credits: 3

College: Jefferson College of Health Professions

Schedule Type: On-Line