COURSE DESCRIPTIONS BY COURSE DISCIPLINE PREFIX

MLT MEDICAL LABORATORY TECH

MLT-110 Intro to MLT 3 (2-3) Fall
Prerequisites: None
Corequisites: None
This course introduces all aspects of the medical laboratory profession. Topics include health care/laboratory organization, professional ethics, basic laboratory techniques, safety, quality assurance, and specimen collection. Upon completion, students should be able to demonstrate a basic understanding of laboratory operations and be able to perform basic laboratory skills.(1997 SU)

MLT-111 Urinalysis & Body Fluids 2 (1-3) Summer
Prerequisites: None
Corequisites: None
This course introduces the laboratory analysis of urine and body fluids. Topics include physical, chemical, and microscopic examination of the urine and body fluids. Upon completion, students should be able to demonstrate theoretical comprehension in performing and interpreting urinalysis and body fluid tests.(1997 SU)

MLT-120 Hematology/Hemostasis I 4 (3-3) Spring
Prerequisites: None
Corequisites: None
This course introduces the theory and technology used in analyzing blood cells and the study of hemostasis. Topics include hematology, hemostasis, and related laboratory testing. Upon completion, students should be able to demonstrate theoretical comprehension of hematology/hemostasis, perform diagnostic techniques, and correlate laboratory findings with disorders.(1997 SU)

MLT-126 Immunology and Serology 2 (1-2) Fall
Prerequisites: None
Corequisites: None
This course introduces the immune system and response and basic concepts of antigens, antibodies, and their reactions. Emphasis is placed on basic principles of immunologic and serodiagnostic techniques and concepts of cellular and humoral immunity in health and disease. Upon completion, students should be able to demonstrate theoretical comprehension and application in performing and interpreting routine immunologic and serodiagnostic procedures.(1997 SU)

MLT-127 Transfusion Medicine 3 (2-3) Summer
Prerequisites: None
Corequisites: None
This course introduces the blood group systems and their applications in transfusion medicine. Emphasis is placed on blood bank techniques including blood grouping and typing, pretransfusion testing, donor selection and processing, and blood component preparation and therapy. Upon completion, students should be able to demonstrate theoretical comprehension and application in performing/ interpreting routine blood bank procedures and recognizing/resolving common problems.(1997 SU)

MLT-130 Clinical Chemistry I 4 (3-3) Spring
Prerequisites: None
Corequisites: None
This course introduces the quantitative analysis of blood and body fluids and their variations in health and disease. Topics include clinical biochemistry, methodologies, instrumentation, and quality control. Upon completion, students should be able to demonstrate theoretical comprehension of clinical chemistry, perform diagnostic techniques, and correlate laboratory findings with disorders. (1997 SU)

MLT-140 Intro to Microbiology 3 (2-3) Fall
Prerequisites: None
Corequisites: None
This course introduces basic techniques and safety procedures in clinical microbiology. Emphasis is placed on the morphology and identification of common pathogenic organisms, aseptic technique, staining techniques, and usage of common media. Upon completion, students should be able to demonstrate theoretical comprehension in performing and interpreting basic clinical microbiology procedures.(1997 SU)

MLT-215 Professional Issues 1 (1-0) Spring
Prerequisites: None
Corequisites: None
This course surveys professional issues in preparation for career entry. Emphasis is placed on work readiness and theoretical concepts in microbiology, immunohematology, hematology, and clinical chemistry. Upon completion, students should be able to demonstrate competence in career entry-level areas and be prepared for the national certification examination.(1997 SU)

MLT-220 Hematology/Hemostasis II 3 (2-3) Spring
Prerequisites: None
Corequisites: None
This course covers the theories and techniques used in the advanced analysis of human blood cells and hemostasis. Emphasis is placed on the study of hematologic disorders, abnormal cell development and morphology, and related testing. Upon completion, students should be able to demonstrate a theoretical comprehension and application of abnormal hematology and normal and abnormal hemostasis. (1997 SU)

MLT-240 Special Clin Microbiology 3 (2-3) Spring
Prerequisites: MLT-140[S]
Corequisites: None
This course is designed to introduce special techniques in clinical microbiology. Emphasis is placed on advanced areas in microbiology. Upon completion, students should be able to demonstrate theoretical comprehension in performing and interpreting specialized clinical microbiology procedures.(1997 SU)

MLT-251 MLT Practicum I 1 (0-0-3) Fall Spring

Prerequisites: None
Corequisites: None
This course provides entry-level clinical laboratory experience. Emphasis is placed on technique, accuracy, and precision. Upon completion, students should be able to demonstrate entry-level competence on final clinical evaluations.(1997 SU)

MLT-253 MLT Practicum I 3 (0-0-9) Fall Spring

Prerequisites: None
Corequisites: None
This course provides entry-level clinical laboratory experience. Emphasis is placed on technique, accuracy, and precision. Upon completion, students should be able to demonstrate entry-level competence on final clinical evaluations.(1997 SU)

MLT-261 MLT Practicum II 1 (0-0-3) Fall Spring

Prerequisites: None
Corequisites: None
This course provides entry-level clinical laboratory experience. Emphasis is placed on technique, accuracy, and precision. Upon completion, students should be able to demonstrate entry-level competence on final clinical evaluations.(1997 SU)

MLT-262 MLT Practicum II 2 (0-0-6) Fall Spring

Prerequisites: None
Corequisites: None
This course provides entry-level clinical laboratory experience. Emphasis is placed on technique, accuracy, and precision. Upon completion, students should be able to demonstrate entry-level competence on final clinical evaluations.(1997 SU)

MLT-263 MLT Practicum II 3 (0-0-9) Fall Spring

Prerequisites: None
Corequisites: None
This course provides entry-level clinical laboratory experience. Emphasis is placed on technique, accuracy, and precision. Upon completion, students should be able to demonstrate entry-level competence on final clinical evaluations.(1997 SU)

MLT-273 MLT Practicum III 3 (0-0-9) Fall Spring

Prerequisites: None
Corequisites: None
This course provides entry-level clinical laboratory experience. Emphasis is placed on technique, accuracy, and precision. Upon completion, students should be able to demonstrate entry-level competence on final clinical evaluations.(1997 SU)